AN ISO 9001 & 14001 COMPANY

TENDER DOCUMENT

NIT No: PCO/BBSR/980/200

FOR

Tender for Construction of Multi-Purpose Centre (MPC) At various locations for district of Rayagada, Odisha (2nd Call)

VOLUME – III

Price Bid

Print	



Percentage BoQ

Tender Inviting Authority: Engineering Projects (India) Ltd., New Delhi

Name of Work: TENDER FOR CONSTRUCTION OF MULTI-PURPOSE CENTRE (MPC) AT VARIOUS LOCATIONS FOR DISTRICT OF RAYAGADA, ODISHA (2nd Call)

Contract No: PCO/BBSR/980/200 Date- 26.09.2024

Name of the							
Bidder/							
Bidding Firm /							
Company :							
(This BOQ temp	plate must not be modified/replaced by the bidde	er and the same		PRICE SCHEDUL paded after filling Bidder Name and	the relevent columns, e	else the bidder is lia	ole to be rejected for this tender. Bidders are allowed
NUMBER#	TEXT #	NUMBER#	TEXT #	NUMBER	NUMBER #	NUMBER#	TEXT #
SI. No.	Item Description	Quantity	Units	Estimated Rate in Rs. P	TOTAL AMOUNT EXCLUDING GST in Rs. P	TOTAL AMOUNT INCLUDING GST (18%) in Rs. P	TOTAL AMOUNT In Words
1	2	3	4	5	6	7	8
1	TENDER FOR CONSTRUCTION OF MULTI- PURPOSE CENTRE (MPC) AT VARIOUS LOCATIONS FOR DISTRICT OF RAYAGADA, ODISHA (2nd Call) including Architectural Consultancy Services	1.000	LS	99218225.00	99218225.00		INR Nine Crore Ninety Two Lakh Eighteen Thousand Two Hundred & Twenty Five Only
Total in Figures					99218225.00		INR Nine Crore Ninety Two Lakh Eighteen Thousand Two Hundred & Twenty Five Only
Quoted Rate in I	Figures		Select		0.00	0.00	INR Zero Only
Quoted Rate in Words			•	,	INR Ze	ero Only	

	NIT No: PCO/BBSR/980/200 Date- 26.09.2024							
SI. No.	Description of Works	Amount in Rs.						
1	MPC at Ambadhoni							
а	Architectural Consultancy Services	54,476.62						
b	CIVIL WORKS	42,99,586.73						
С	PH & SANITARY WORKS	6,97,661.49						
d	ELECTRICAL WORKS	4,16,847.67						
е	Fire Fighting Systems.	33,566.00						
	TOTAL	55,02,139.00						
2	MPC at Garatha							
а	Architectural Consultancy Services	54,974.89						
b	Civil works	43,49,144.25						
С	PH & Sanitaryworks	6,97,930.77						
d	Electrical works	4,16,847.67						
е	Fire Fighting works	33,566.00						
	TOTAL	55,52,464.00						
3	MPC at Munda							
а	Architectural Consultancy Services	54,484.31						
b	Civil works	43,00,175.70						
С	PH & Sanitaryworks	6,97,841.13						
d	Electrical works	4,16,847.67						
е	Fire Fighting works	33,566.00						
	TOTAL	55,02,915.00						
4	MPC at Dhamanpanga							
а	Architectural Consultancy Services	54,476.79						

	NIT No: PCO/BBSR/980/200 Date- 26.09.2024						
SI. No.	Description of Works	Amount in Rs.					
р	Civil works	42,99,603.60					
С	PH & Sanitaryworks	6,97,661.49					
d	Electrical works	4,16,847.67					
е	Fire Fighting works	33,566.00					
	TOTAL	55,02,156.00					
5	MPC at Denguni						
а	Architectural Consultancy Services	54,639.98					
b	Civil works	43,15,066.31					
С	PH & Sanitaryworks	6,98,517.85					
d	Electrical works	4,16,847.67					
е	Fire Fighting works	33,566.00					
	TOTAL	55,18,638.00					
6	MPC at Sergipai						
а	Architectural Consultancy Services	54,706.97					
b	Civil works	43,21,474.25					
С	PH & Sanitaryworks	6,98,808.58					
d	Electrical works	4,16,847.67					
Φ	Fire Fighting works	33,566.00					
	TOTAL	55,25,403.00					
7	MPC at Batigumma						
а	Architectural Consultancy Services	54,788.10					
b	Civil works	43,29,321.50					

	NIT No: PCO/BBSR/980/200 Date- 26.09.2024						
SI. No.	Description of Works	Amount in Rs.					
С	PH & Sanitaryworks	6,99,074.38					
d	Electrical works	4,16,847.67					
е	Fire Fighting works	33,566.00					
	TOTAL	55,33,598.00					
8	MPC at Penja						
а	Architectural Consultancy Services	54,530.87					
b	Civil works	43,04,451.75					
С	PH & Sanitaryworks	6,98,222.00					
d	Electrical works	4,16,847.67					
е	Fire Fighting works	33,566.00					
	TOTAL	55,07,618.00					
9	MPC at Khajuri						
а	Architectural Consultancy Services	54,648.01					
b	Civil works	43,16,118.93					
С	PH & Sanitaryworks	6,98,268.83					
d	Electrical works	4,16,847.67					
е	Fire Fighting works	33,566.00					
	TOTAL	55,19,449.00					
10	MPC at Kodiguma						
а	Architectural Consultancy Services	54,538.97					
b	Civil works	43,05,552.23					
С	PH & Sanitaryworks	6,97,930.77					

	NIT No: PCO/BBSR/980/200 Date- 26.09.2024						
SI. No.	Description of Works	Amount in Rs.					
d	Electrical works	4,16,847.67					
е	Fire Fighting works	33,566.00					
	TOTAL	55,08,436.00					
11	MPC at Kinthuda						
а	Architectural Consultancy Services	54,312.93					
b	Civil works	42,83,918.50					
С	PH & Sanitaryworks	6,96,960.82					
d	Electrical works	4,16,847.67					
е	Fire Fighting works	33,566.00					
	TOTAL	54,85,606.00					
12	MPC at Pignapur Kadasi						
а	Architectural Consultancy Services	54,321.06					
b	Civil works	42,84,357.97					
С	PH & Sanitaryworks	6,97,334.26					
d	Electrical works	4,16,847.67					
е	Fire Fighting works	33,566.00					
	TOTAL	54,86,427.00					
13	MPC at Sindiring kadasi						
а	Architectural Consultancy Services	54,476.72					
b	Civil works	42,99,597.27					
С	PH & Sanitaryworks	6,97,661.49					
d	Electrical works	4,16,847.67					

	NIT No: PCO/BBSR/980/200 Date- 26.09.2024							
SI. No.	Description of Works	Amount in Rs.						
е	Fire Fighting works	33,566.00						
	TOTAL	55,02,149.00						
14	MPC at Khilamunda							
а	Architectural Consultancy Services	54,359.99						
b	Civil works	42,88,488.65						
С	PH & Sanitaryworks	6,97,096.73						
d	Electrical works	4,16,847.67						
е	Fire Fighting works	33,566.00						
	TOTAL	54,90,359.00						
15	MPC at Midium Kutuni							
а	Architectural Consultancy Services	54,359.55						
b	Civil works	42,88,454.29						
С	PH & Sanitaryworks	6,97,087.30						
d	Electrical works	4,16,847.67						
е	Fire Fighting works	33,566.00						
	TOTAL	54,90,315.00						
16	MPC at Radesal Kutuni							
а	Architectural Consultancy Services	55,032.93						
b	Civil works	43,55,091.03						
С	PH & Sanitaryworks	6,97,788.01						
d	Electrical works	4,16,847.67						
е	Fire Fighting works	33,566.00						

TENDER FOR CONSTRUCTION OF MULTI-PURPOSE CENTRE (MPC) AT VARIOUS LOCATIONS FOR DISTRICT OF RAYAGADA, ODISHA (2nd Call) NIT No: PCO/BBSR/980/200 Date- 26.09.2024 SI. No. **Description of Works** Amount in Rs. **TOTAL** 55,58,326.00 17 MPC at Sargiasing Kutuni Architectural Consultancy Services a 54,733.72 b Civil works 43,24,330.97 PH & Sanitaryworks С 6,98,627.61 Electrical works d 4,16,847.67 е Fire Fighting works 33,566.00 **TOTAL** 55,28,106.00 MPC at Rejingatal 18 Architectural Consultancy Services а 54,496.25

Nine Crore Ninety Two Lakh Eighteen Thousand Two Hundred & Twenty Five Only

TOTAL

43,03,517.78

6,95,693.31

4,16,847.67

55,04,121.00

9,92,18,225.00

33,566.00

Civil works

PH & Sanitaryworks

Flectrical works

Grand Total

Fire Fighting works

b

С

d

е

	NIT No: PCO/BBSR/980/200 Date- 26.09.2024 MULTI-PURPOSE CENTRE (MPC) AT AMBADHONI, MUNIKHOL, MUNIGUDA IN THE DISTRICT OF RAYAGADA							
Item No/S.No	Description of work	Unit	Rate	Quantity	Amount			
	Architectural Consultancy Services	Lot	54476.62	1	54476.62			
	Sub Total				54476.62			
1	CIVIL WORKS							
Α	EARTH WORK							
	Earth work in stoney earth and gravels mixed with stone							
	and boulder not exceeding 0.014 cum in volume within 50m							
1	initial lead and 1.5m initial lift including rough dressing and							
	breaking clods to maximum 5cm to 7cm and laying in layer							
	not exceeding 0.3m in depth and as per specification							
i	approved by the dept. Ordinary Soil	CuM	210.97	200.15	42,225.65			
ii	Soft Rock	CuM	329.01	51.15	16,828.86			
iii	Hard Rock	CuM	2,726.10	2,56	6,978.82			
	Supplying & Filling foundation trenches , plinth & ditches		,		•			
	with clean course river sand well watered and rammed in							
	layers not exceeding 23 c.m. in depth with all lead and lift							
2	including cost, conveyance, loading, unloading,	CuM	848.00	193.64	1,64,206.72			
-	stacking,royalties and all taxes of sand,cost & conveyance of	CuM	040.00	175.04	1,04,200.72			
	water, cost of all Labour,labour cess,T&P required for the							
	work etc. complete in all respect as directed by the							
	Engineer- in -charge Back filling available excavated earth (excluding rock) in							
	trenches, plinth, sides of foundations etc. in layers not							
3	exceeding 20 cm in depth, consolidating each deposited	CuM	117.20	34.20	4,008.24			
	layer by ramming and watering, lead upto 50 m and lift upto	CuM	117.20					
	1.5m.							
	Making plinth protection 150 mm thick of cement concrete							
	1:3:6 (1 cement: 3 coarse sand : 6 graded stone aggregate							
4	20 mm nominal size) over 75mm thick bed of dry brick		_	_				
	ballast 40 mm nominal size, well rammed and consolidated			_	_			
	and grouted with fine sand, including finishing the top							
	smooth	6.44	2 202 00	F4.7F	1 22 222 52			
В	PLAIN & REINFORCEMENT CONCRETE	SqM	2,392.90	51.75	1,23,832.58			
			_					
	Providing and laying P.C.C[1:4:8] using 4cm size metal etc							
	in foundation and floors using cement, 40 mm size crusher							
1	broken H.G.Metal and screened and washed sharp river sand	CuM	5,055.20	34.35	1,73,646.12			
	for mortar of approved quality and from approved quarry							
	including hoisting ,lowering and laying concrete to the							
	required level, ramming ,watering and curing etc							
	Providing and laying in position ready mixed M25 grade							
	concrete having compressive strength at 28 days test not							
2	lessthan 250kg/sq.cm for reinforced cement concrete work		-	-	-			
	using cement content as per approved design mix etc							
	including Rigid & smooth centering and shuttering.							
	For R.C.C foundation, footing bases of column, mass							
α	concrete, pre-cast etc.	CuM	6,402.65	68.94	4,41,398.69			

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
Ь	For R.C.C plinth band etc.	CuM	7,224.10	11.99	86,616.96
С	R.C.C Beam & Coloum		-	-	-
i	Ground Floor	CuM	14,226.60	26.87	3,82,268.74
d	Lintel		-	-	-
i	Ground Floor	CuM	13,505.60	3.38	45,648.93
f	Chaja		-	-	-
i	Ground Floor	Sqm	1,122.75	12.15	13,641.41
9	Roof slab, Landing, Balcony,		-	-	-
i	Ground Floor	CuM	12,819.60	27.43	3,51,641.63
	Cutting ,Straightening coiled or bend up HYSD/TMT				
	Reinforcement bars welding or jointing if necessary,				
3	bending ,tying the grills as required for R.C.C works		-	-	-
	etcwinding wire extra				
α	Foundation	Qntl	8,861.00	45.93	4,06,985.73
Ь	Ground floor	Qntl	8,861.00	72.87	6,45,701.07
С	BRICK WORK	·	-	-	-
	Fly Ash Brick Masonry in cement mortar of mix (1:6)				
	using Fly Ash bricks of size 25c.m x 11 c.m x 8 c.m in				
	Foundation & Plinth having crushing strength not less than				
	75 kg per square c.m. with cement and screened & washed				
	sharp sand for mortar after immersing the bricks for 6				
	-				
1	(Six) hours in water before use in works with all necessary		-	-	-
	projections, splays cutting, circular moulding, corbelling,				
	chamfering, watering and curing etc. including cost,				
	coveyance, stacking, loading, unloading, royalties, all taxes				
	cost of all labour,Labour cess scaffolding, sundries and T&P				
	required for the works etc. complete in all respect as				
	directed by the Engineer-in-charge.				
	Foundation and Plinth	CuM	5,093.00	19.46	99,109.78
	Fly Ash Brick Masonry in cement mortar of mix (1:6)				
	using Fly Ash bricks of size 25c.m × 11 c.m × 8 c.m in				
	superstructure having crushing strength not less than 75 kg				
	per square c.m. with cement and screened & washed sharp				
	sand for mortar after immersing the bricks for 6 (Six)				
	hours in water before use in works with all necessary				
2	projections, splays cutting, circular moulding, corbelling,		-	-	-
	chamfering, watering and curing etc. including cost,				
	coveyance,stacking, loading, unloading, royalties , all taxes				
	cost of all labour, Labour cess , scaffolding, sundries and T&P				
	required for the works etc. complete in all respect as				
	directed by the Engineer-in-charge.	C44	E 127 00	44.30	2 20 052 00
а	Ground Floor Fly Ash Brick masonry in cement mortar of mix [1:4]	CuM	5,126.00	66.30	3,39,853.80
	using Fly Ash bricks of size 25cm12cmx8cm in				
3	- '		-	-	-
	superstructure having crushing strength not less than 75 kg				
	/m2 etc[Half Brick work]	CuAA	5 450 00	1.05	E 720 00
a	Ground Floor	CuM	5,458.00	1.05	5,730.90
	DI ACTEDING & DATAITING		-	-	<u> </u>
D	PLASTERING & PAINTING		-	-	-

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
1	Providing 12mm. Thick cement plaster in cement mortar or mix(1:6) in all floors at all height with cement & screened and washed sharp river sand for mortar and finished smooth to the rough surface of the brick masonary walls after racking out the joints (alongwith providing grooves wherever necessary) including watering and curing, rounding of corners etc. complete with cost, conveyance, loading, unloading, royalities and taxes of all materials, cost of all labour, T&P, sundries and scaffolding required for the work etc. as directed by the Engineer-in- charge.		-	-	-
α	Ground floor	SqM	152.30	347.49	52,922.73
2	Providing 16mm. Thick cement plaster in cement mortar or mix(1:6) in all floors at all height with cement & screened and washed sharp river sand for mortar and finished smooth to the rough surface of the brick masonary walls after racking out the joints (alongwith providing grooves wherever necessary)including watering and curing, rounding of corners etc. complete with cost, conveyance, loading, unloading, royalities and taxes of all materials, cost of all labour, T&P, sundries and scaffolding required for the work etc. as directed by the Engineer-in- charge.		-	-	-
α	Ground floor	SqM	217.90	368.30	80,252.57
3	Finishing wall surface of wall with cement based wall putty [water based] of approved make and finished smooth and even surface to receive painting including cost etc		-	-	-
α	Ground Floor	SqM	81.61	924.15	75,419.88
4	Providing and applying 2 coats with 100% acrylic emulsion paint on New surface including one coat of primer (exterior quality) of approved make & shade by reputed manufacturer to make an even finished surface over a coat of primer with water bound cement primer in all heights with all scaffolding and staging charges including cost, conveyance, taxes of all materials, cost of all labours, T&P, sundries etc. as required for the work complete.		-	-	-
α	Ground floor	SqM	150.10	368.30	55,281.83
5	Supplying and painting of internal walls and ceiling with two or more coats of ACRYLIC emulsion paint on New surface which includes a coat of primer all complete. The shade and brand to be of approved brand & shade over the surfaces including preparation of surface, with cost of all materials, labour, conveyance taxes of all materials,scaffolding etc., as per the direction of the Engineer-in-charge.		-	-	-
α	Ground floor	SqM	149.30	555.86	82,989.90

Item No/S.No	Description of work	Unit	Rate	Quantity	A mount
6	Painting with synthetic enamel paint over a coat of primer of approved colour, shade and brand on New wood work /steel work in two or more coats as required to give an even shade including an under coat of suitable primer of approved brand and manufacturer including cost of all materials with taxes and transportation, loading, unloading, scaffolding, all labour, Labour cess, sundries, T&P, etc. complete as per the direction of the Engineer-in-charge including filling gaps with putties, scrapping, sand papering and cleaning the surface to make free from rusts, dusts and oily substances before applying primer etc. complete.			-	-
α	Ground floor	sqm	216.80	25.20	5,463.36
E	FLOORING		-	-	-
	A. S flooring under layer of 25mm thick C.C. (1:2:4) with 12mm ize granite chips and top layer of 6mm thick plaster cement red oxide mix using 3.5kg or red oxide per 50 kg of cement 1:3 finished with a floating coat of cement and Red oxide mix of same proportion.		-	-	-
α	Ground floor	SqM	428.00	162.84	69,695.52
	12mm thick cement plaster in CM(1:4) with cement punning for skirting & Dados including all cost. complete with cost, conveyance, royality of all materials and labour with T&P required for the work with royalities, taxes etc.complete in all floors as per direction of Engineer-in-charge.	SqM	174.10	20.57	3,581.24
F	DOOR & WINDOW		-	-	-
1	Providing and fixing unplasticised poly vinyl chloride (UPVC) door in cluding all fittings and cost, conveyance of all materials, labours and T&P required for the work etc, all complete as per direction of engineer in charge.	Sqm	8,963.00	3.15	28,233.45
2	Providing and fixing 30 mm thick factory made single extruded WPC (Wood polymer composite) solid plain flush door shutter of required size fixing with stainless steel butt hinges of required size with necessary full body threaded star headed counter sunk S.S screws, all complete as per direction of engineer in charge.	Sqm	4,424.00	15.75	69,678.00
3	Supplying, fitting, fixing up window (sliding type) made up aluminum Section 9778 as windows frame, section No. 4095, 4096 and 9777, 3994 as shutter frame with rubber beading including locking arrangement including all fitting including cost of materials all taxes labour, T&P etc. complete as per direction of Engineer-in-charge. including cost of frosted glass & SS mosquito net.	Sqm	7,648.40	24.30	1,85,856.12
G	STEEL WORK		-	-	-
			-	-	-

Item No/5.No	Description of work	Unit	Rate	Quantity	Amount
1	Supplying, titting and fixing of M.S grills, grill gates with top and bottom rails, (as per I.S. specification and as per approved drawings) in proper position in all floors and at all height including making holes to brick walls/ R.C.C structure/wood work etc. and making good to the damaged walls/ structures with cement concrete (1:2:4) with black hard crusher broken granite stone chips of 12mm to 20mm size (20mm size not to exceeds 25%) including watering and curing including cost, conveyance, loading, unloading, stacking, royalties and taxes of all materials, cost of all Labour, Labour cess, Sundries, T&P required for the work etc.complete as per the direction of Engineer in charge (W.I. / M.S. windows grills, grill gates, collapsible gates with top and bottom rails, steel windows, steel doors, steel frames for doors and windows, staircase and parapet railings square bar along with required nos. of nails and screws and other required materials of approved quality and approved size shall be supplied by the contractor at his own	ΚG	89.50	864.00	77,328.00
2	Supplying, fitting and fixing of Stainless steel of 304 grade in hand railing using 50mm dia of 2mm thick circular pipe with balustrade of size 32mmx32mmx2mm @ 0.90mtr.C/C and stainless square pipe bracing of size 32mmx32mmx2mm in 3 rows in stair case as per approved design and specification ,buffing, polishing etc with cost,conveyance,taxes of all materials, labour, T & P etc. required for the complete in all respect	Rmt	3,524.00	22.50	79,290.00
			-	-	1
Н	Grading plaster		-	-	-
1	2.5 cm thick grading Plaster (1:4) on roof slab with 6mm size HG chips including all cost, conveyance, royalty & taxes etc.comp.to work site for new work as per the specification approved by the department & direction of E.I.C	sqm	387.30	215.00	83,269.50
	TOTAL STATE WORK				40.00.507.70
	TOTAL CIVIL WORK				42,99,586.73
2	PLUMBING AND SANITARY WORK				
_	TOTAL TAR OFFICE PARTY WORK				
	INTERNAL PH WORKS				
1	Supplying all materials, labour and T&P for fitting and fixing white glazed vitreous china porcelain Indian Pan water closet of size 23" of approved make confirming to IS-2556 and top inlet for sinking into floor with 100mm PVC 'P' trap etc. including supply of necessary cement concrete for fitting the closet etc. complete in all respect in all floors including cost, conveyance and taxes of all materials etc. complete and as per PH specification and direction of Engineer-in-charge.	Nos	5.400.12	200	11 210 24
		Nos	5,609.12	2.00	11,218.24

Item No/5.No	Description of work	Unit	Rate	Quantity	Amount
2	Supplying all materials, labour and T&P for fitting and fixing white glazed vitreous china porcelain flat back urinal pan of approved make confirming to IS-2556 and top inlet for sinking into floor with 100mm PVC 'P' trap etc. including supply of necessary cement concrete for fitting the closet etc. complete in all respect in all floors including cost, conveyance and taxes of all materials etc. complete and as per PH specification and direction of Engineer-in-charge including marble partition in between urinals.		-	-	-
		Nos	12,288.40	2.00	24,576.80
3	Supplying all materials, labour, T&P and fixing standard sized shower (bath shower) of approved make etc complete including cutting the wall and making good the damages, including cost of all materials complete as per PH specification and direction of Engineering-in- charge.		-	-	-
		Nos	993.00	2.00	1,986.00
4	Supplying all materials, labour and T&P for fitting and fixing white glazed vitreous china porcelain wash basin of size 450mm x 300mm of approved make confirming to IS-2556 and top inlet for sinking into floor with 100mm PVC 'P' trap etc. including supply of necessary cement concrete for fitting the closet etc. complete in all respect in all floors including cost, conveyance and taxes of all materials etc. complete and as per PH specification and direction of Engineer-in- charge.		-	-	-
		Nos	9,150.40	4.00	36,601.60
5	Supplying all materials, labour, T&P and fixing standard sized CP Bib cock of approved make etc complete including cutting the wall and making good the damages, including cost of all materials complete as per PH specification and direction of Engineering-in-charge.		-	-	-
		Nos	1,873.00	4.00	7,492.00
6	Supplying all materials, labour, T&P and fixing standard sized 15mm dia Angular Stop cock of approved make etc complete including cutting the wall and making good the damages, including cost of all materials complete as per PH specification and direction of Engineering-in- charge.		-	-	-
		Nos	1,158.40	4.00	4,633.60
7	Supplying all materials, labour, T&P and fixing standard 15mm sized pillar cock of approved make etc complete including cutting the wall and making good the damages, including cost of all materials complete as per PH specification and direction of Engineering-in-charge.		-	-	-
		Nos	1,626.00	4.00	6,504.00
8	Supplying all materials, labour, T&P and fixing standard sized Long body 15mm dia CP Bib cock of approved make etc complete including cutting the wall and making good the damages, including cost of all materials complete as per PH specification and direction of Engineering-in- charge.	Nos	2,107.00	4.00	8,428.00
			-	•	-

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
9	Supplying all materials, labour, T&P and fixing standard sized two way CP Bib cock of approved make etc complete including cutting the wall and making good the damages, including cost of all materials complete as per PH specification and direction of Engineering-in- charge.	Nos	1,873.40	2.00	3,746.80
10	Supplying all materials, labour, T&P and fixing standard sized shower (Health Faucet) of approved make etc complete including cutting the wall and making good the damages, including cost of all materials complete as per PH specification and direction of Engineering-in- charge.	Nos	993.00	2.00	1,986.00
11	Supplying all materials, labour, T&P and fixing standard sized Chromium Plated brass towel rail complete with Chromium Plated brass brackets fixed to wooden plugs with Chromium Plated brass screws as per specification and direction of the Engineer in charge		-	-	-
12	Fixing 600x450mm bevelled edge mirror of superior glass mounted on 6mm thick A.C sheet or plywood sheet and fixed to wooden plugs with Chromium Plated brass screws and washers complete as per specification and direction of	Nos	1,369.70	2.00	2,739.40
	the Engineer in charge	NOS	1,841.80	4.00	7,367.20
13	Supplying all materials, labour, T&P and fittings and fixing of Poly Propelene white double layer water storage Tank of approved make confirming to IS 12701-1996 including cutting holes through the tank and fixing mild steel tubes and fittings and providing extra sockets and jam nuts, fixing ball valve etc including hoisting upto terrace level and placing the tank to the required position etc all complete as per PH specification and direction of Engineer-in-charge. (To provided with brick masonary guard walls which will be paid separately)		- -	-	-
α	2000 ltr	Nos	25,364.70	1.00	25,364.70
14	Supplying all materials, labours, T&P and fitting and fixing of the following size of CPVC pipe confirming to IS 15778 certification mark with socket and screw joints in walls and floors including supplying of required number of fittings of approved make including cutting threads to pipes and pipes to length, including wastage,etc for fitting to the walls with supply of holder ats, clamps, fixing wooden plugs in walls, including testing of pipe line for water tightness complete as per IS specification including cost, conveyance and taxes of all materials all complete as per PH specification and direction of Engineer-in-charge.		<u>-</u>	-	-
α	25 mm dia	R.mtr	368.50	20.00	7,370.00
Ь	32 mm dia	R.mtr	563.20	20.00	11,264.00
15	40mm dia Providing all materials, labour, Fitting & fixing of CPVC Ball	R.mtr	732.10	20.00	14,642.00
	Valve with CTS socket. Make : Prince) 25mm Dia	Nos	842.00	1.00	842.00

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
b	32mm Dia	Nos	1,589.00	1.00	1,589.00
С	40mm dia	Nos	2,391.00	1.00	2,391.00
	Supplying all materials,labours,T&P for cutting holes				
	through existing brickwork including making good the				
16	damages in cement mortar (1:4) for taking GI pipes and		-	-	-
	fittings/PVC pipes and fittings etc all complete as per PH				
	specification and direction of Engineer-in-charge.	Nos	55.60	2.00	111.20
	Supplying all materials,labours,T&P for cutting holes	1403	33.00	2.00	111,20
	through existing RCC floors & roofs including making good				
17	the damages for taking GI pipes and fittings/PVC pipes and		-	-	-
	fittings etc all complete as per PH specification and				
	direction of Engineer-in-charge.				
		Nos	167.40	2.00	334.80
	Supplyng all materials, labour, T&P for construction of brick				
	masonary Gulley trap chamber of size300mm x 300mm				
	with CI gulley trap, by Fly ash brick masonry in CM (1:4), CP				
	(1:6) with 150mm × 150mm CI grating including labour and				
10	materials for fitting and fixing 100mm dia square mouth CI				
18	gully trap with supply of all jointing materials and encasing the gully trap with a block of CC (1:4:8) with 25mm size hard		-	-	-
	stone metal all complete with providing and fixing of 250mm				
	× 250mm precast RCC cover slab including cost, conveyance,				
	taxes of all materials to site complete as per the PH				
	specification and direction of Engineer-in-charge.				
	Specification and all contents of Engineer in situation	Nos	3,586.00	2.00	7,172.00
	Providing all materials labour, T&P for making grooves in		,		·
	bricks/stone masonary walls vertically or horizontally up				
	to required depth and width in all floor for laying of pipes				
	and fittings up to 50mm dia, testing the joints with required				
19	water pressure and making good the damages with cement				
19	concrete 1:2:4 with 12mm size h.g.c.b.chips and finished				-
	smooth with cement morter (1:4) to original shape including				
	cost of all materials, curing, conveyance of all materials etc.				
	all complete excluding GST as per specification & direction				
	of Engineer-in-charge.				
		Rmt	249.70	20.00	4,994.00
II	External PH		-	-	-
	Supplying all materials, labours, T&P and fitting and fixing				
	of the following size of CPVC pipe confirming to IS 15778				
	certification mark with socket and screw joints in walls and				
	floors including supplying of required number of fittings of				
	approved make including cutting threads to pipes and pipes				
20	to length, including wastage,etc for fitting to the walls with		-	-	-
	supply of holder ats, clamps, fixing wooden plugs in walls,				
	including testing of pipe line for water tightness complete				
	as per IS specification including cost, conveyance and taxes				
	of all materials all complete as per PH specification and				
	direction of Engineer-in-charge.				
a	50mm dia	Rmt	1,153.60	10.00	11,536.00

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
21	Supplying all materials & labour, T&P and constructing brick masonary chamber for water sluice valve, single air valve & non return valve with Fly ash brick masonary in cement mortar (1:4) as per approved drawing and specification CC (1:4:8) with 4cm size hard granite metal on the bed, 12mm cement plaster (1:6) to inside and cement flush pointing (1:6) to outside surface with 100mm thick RCC M20 cover slab with 20mm hg chips using required quantity of tor steel, centring and shuttering to the slab and dismantling it after 31 days of casting, filling the outside cavity with excavated materials, watering, curing including cost, conveyance, taxes of all materials, labour charges for cutting, bending, binding and tying the grills in proper position etc all complete as per drawing, design and direction of Engineer-in- charge.		-	-	-
a	Chamber (0.75x0.75x0.7mtr)	Nos	9,729.00	1.00	9,729.00
22	Supplying all materials, labour, 1&P and fitting and fixing of double air valve of 50mm Dia confirming to the relevant IS specification and dimension including fixing it in position along the pipeline with supply of all required materials such as rubber insertion, nuts & bolts including cost of all materials, taxes, and duties, transportation charges from store to site etc all complete as per the direction of Engineer-in-charge		-	-	-
	Thinber-in-thinbe	Nos	4,111.90	1.00	4,111.90
23	Supply, installation, testing and commisioning of automatic star delta control panel suitable for 2 HP pumpset including MS box fitted with main switch ,contactor, single phasing preventer, timer, selector switch, voltmetre, ammeter etc and connection with motor inside the sump with suitable cable etc complete as per the Direction of Engineer-incharge. (Excluding power supply)(MR)		-	-	-
		Set	14,500.00	1.00	14,500.00
24	Septic Tank Earth work in excavation in Hard rock by mechanical means (Hydraullic excavator)/ manual means overareas (exceeding 30 cm in depth, 1.5 m in width as well as 10sqm on plan) inculding disposal of excavated earth up to 50 m and lift upto 1.5m with all lead and lift including shoring, shuttering & dewatering (if required) with cost of all Labour, Labour cess, Hire & Running charges of the water pumps, T & P required for the work complete as directed by the Engineer- in-charge Earth work excavation beyond 1.50mtr depth	CuM	- 210.97	- 6,00	1,265.82
		Carri	210.97	0.00	1,200.02
25	Supplying and filling the Foundation & Plinth with clean coarse river sand of approved quality from approved quarry, laying in layers not exceeding 150mm thick, watering and ramming including cost, conveyance, royalty and taxes of all materials, cost of all labour, T&P etc. as required for the work complete as per direction of the Engineer-in-charge.		-	-	-
		CuM	848.00	2.73	2,315.04

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
26	Providing & laying cement concrete of prop. (1:4:8) in foundation bed and floors using 40mm nominal size down graded, screened, washed hard black crusher broken granite metal of approved quality & from approved quarry including laying in the layers not exceeding 100 mm thick, etc	CuM	5,055.20	0.75	3,791.40
27	Providing and laying in position ready mixed M25 grade concrete having compressive strength at 28 days test not lessthan 250kg/sq.cm for reinforced cement concrete work using cement content as per approved design mix etc		-	-	-
α	Foundation	CuM	6,402.65	1.00	6,402.65
ь	RCC Wall	CuM	7,224.10	2.03	14,664.92
С	Slab	CuM	12,819.60	1.00	12,819.60
28	Cutting,straightening coiled or bent up HYSD/TMT Reinfocement Bars welding or jointing if necessary ,bending, binding,tying the grills as etc	Qntl	8,861.00	3.60	31,899.60
29	Providing 12mm. thick cement plaster with cement mortar of mix (1:4) in all floors cement and with screened and washed sharp sand for mortar with neat cement punning finished smooth to brick/RCC walls after racking out the joints including watering and curing complete with cost, etc		-	-	•
		SqM	152.30	12.18	1,855.01
30	Providing and laying of P.C.C. of 1:3:6 with 12 mm size hard granite metal in foundation trenches, under floors in line level including curing and ramming etc. all complete as per the direction of the Engineer-in-charge		0	0	-
		Sqm	6,162.20	0.34	2,095.15
31	Finishing walls with water proofing cement paint of approved shade on new work Two coat to give an even shade	•	-	-	-
		Sqm	37.90	12.18	461.62
32	Back filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20 cm in depth, consolidating each deposited layer by ramming and watering, lead upto 50 m and lift upto 1.5m.		-	•	•
		CuM	117.20	5.55	650.46
	Soak Pit		-	-	-
33	Supplying and filling the Foundation & Plinth with clean coarse river sand of approved quality from approved quarry, laying in layers not exceeding 150mm thick, watering and ramming including cost, conveyance, royalty and taxes of all materials, cost of all labour, T&P etc. as required for the work complete as per direction of the Engineer-in-charge.		-	-	-
		CuM	848.00	1.00	848.00
34	Providing & laying cement concrete of prop. (1:4:8) in foundation bed and floors using 40mm nominal size down graded, screened, washed hard black crusher broken granite metal of approved quality & from approved quarry including laying in the layers not exceeding 100 mm thick, etc	CuM	5,055.20	0.62	3,134.22

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
35	Providing and laying in position ready mixed M25 grade concrete having compressive strength at 28 days test not lessthan 250kg/sq.cm for reinforced cement concrete work using cement content as per approved design mix etc		-	-	-
α	Foundation	CuM	6,402.65	0.32	2,048.85
36	Providing 12mm. thick cement plaster with cement mortar of mix (1:4) in all floors cement and with screened and washed sharp sand for mortar with neat cement punning finished smooth to brick/RCC walls after racking out the joints including watering and curing complete with cost, etc		-	-	-
		SqM	270.80	1.36	368.29
37	Providing and laying of P.C.C. of 1:3:6 with 12 mm size hard granite metal in foundation trenches, under floors in line level including curing and ramming etc. all complete as per the direction of the Engineer-in-charge		0	0	-
		Sqm	8,314.20	0.62	5,154.80
38	Fly Ash Brick Masonry in cement mortar of mix (1:6) using Fly Ash bricks of size 25c.m x 12 c.m x 8 c.m in Foundation & Plinth having crushing strength not less than 75 kg per square c.m. with cement and screened & washed sharp sand for mortar after immersing the bricks for 6 (Six) hours in water before use in works with all necessary projections, splays cutting, circular moulding, corbelling, chamfering, watering and curing etc. including cost, coveyance, stacking, loading, unloading, royalties, all taxes, cost of all labour, Labour cess, scaffolding, sundries and T&P required for the works etc. complete in all respect as directed by the Engineer-in-charge.		-	-	-
	-	CuM	5,397.00	6.37	34,378.89
39	Supplying all materials, labour, T&P, fitting and fixing uPVC SWR pipes (Type-B)(Co-moulded Ring type) of approved make confirming to IS-13592/1992with ISI marked, both below & above ground level or fixing on wall surface in all floors including transportation & scaffolding etc. all complete as per specification excluding GST & direction of the Engineer-in-charge.		0	0	-
α	Pipe 110mm dia	R.Mtr	828.11	30.00	24,843.30
Ь	110mm×110mm 'P' Trap (Make: Astral)	nos	494.00	2.00	988.00
С	110mm dia single 'Y' withoutdoor	nos	479.00	2.00	958.00
d	110mm WC connector/Bend with lip ring	nos	360.00	2.00	720.00
e	110mm Socket plug	nos	180.00	2.00	360.00
f	Upvc Elbow Sinking of 200 mm x150mm size production well through	nos	786.00	2.00	1,572.00
40	DTH or combination drilling riges in hard rock area with PVC or GI casing pipes. 120mtr depth (1nos)	L.S	2,00,000.00	1.00	2,00,000.00

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
41	Supplying, fitting and fixing of Antiskid Ceramic Floor Tiles in flooring using special plain / printed series Ceramic Floor Tile of premium grade (having minimum thickness 7 mm to 8 mm & size 300 mm x 300 mm OR 600 mm x600 mm, confirming to I.S 13755 of approved quality and shade in floors, treads on steps and landings on 25 m.m thick bed of cement mortar of mix (1:1) laid in proper slope and gradient with screened &		-	-	-
	washed sharp, etc. Ground floor	SqM	1,153.90	17.88	20,631.73
42	Supplying, fitting and fixing of ceramic glazed wall Tiles in skirting dado, risers of step and wall using special plain / printed series Ceramic wall Tile of premium grade (having minimum thickness 6.5 mm to 6.7 mm & size 300 mm x 300 mm OR 600mm x300 mm.	·	-	-	-
	Ground floor	SqM	1,317.60	68.46	90,202.90
	TOTAL PH WORK				6,97,661.49
3	ELECTRICAL WORK				
	EDECTRICAL WORK				
1	Wiring for light point/ fan/ exhaust fan point/ call bell point with 1.5 sqmm FRLS PVC insulated copper conductor single core cable in surface / recessed 2 mm thick PVC conduit with modular switch and earthing the point with 1.5 sqmm FRLS PVC insulated copper conductor single core cable including providing modular box with cover of requisite number of modules including providing cover plates as required. Make Conduit:Norepack/Precision/AKG Wire-KEI/Havells/Finolex Switch/socket-Legrand				
a)	Single light point controlled by one 6A switch or first light	Each	785.00	20.00	15,700.00
b)	point of group control. Subsequent point of group control	Each	515,00	4.00	2,060,00
2	Supplying and fixing two module steeped type electronic fan regulator with proper modular plate switch box including connections etc. as required. Switch/socket-Legrand (myrius)/Panasonic(vision)/schneider(zencelo)	Nos.	653.00	2.00	1,306.00
3	Supplying and fixing 6 Amp plug with 6 Amp switch (Modular Type) on existing board.	Nos.	356.00	8.00	2,848.00
4	Supplying and fixing including testing and commissioning of 6A modular socket outlet with 6 Amp switch including providing GI modular box with faceplate etc as required.		-	-	-
a)	1 nos 6 Amp 3-pin socket with 6 Amp switch.	Nos.	512.00	8.00	4,096.00
5	2 nos 6 Amp 3-pin socket with 2 nos 6 Amp switch. Supply, installation, testing & commissioning of 6 / 16 Amp Plug Boards consisting of a 16 Amp clip-in type modular switch with indicator and a 6/16 Amp clip-in type modular socket fixed on metallic concealed box including interconnections and making good the damages caused complete as required and as per direction of Engineer-in- charge	Nos.	909.00	8.00	5,454.00 5,216.00

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
6	Supplying, installation, testing & commissioning of 25 amp modular socket outlet on surface or in recess, on 1 Nos two module GI box with plate for socket point and one nos two module GI Box with face plate for switch etc. complete as direction of Engineer-in-charge. As per Crabtree(cat no-ACT0202504) or equivalent of Legrand/Schneider.	Each	1,330.15	4.00	5,320.60
7	Wiring for circuit/ submain wiring along with earth wire of following size of FRLS heavy gauge PVC insulated copper conductor single core cable in heavy duty PVC conduit laid in surface/ recess as required.		-	-	-
a)	2X2.5 + 1X2.5 sqmm FRLS Cu wire (for Light circuit wiring)	mtr	233.05	75.00	17,478.75
b)	double core 4 sq mm. copper wire for phase and neutral	mtr	386.00	20.00	7,720.00
c)	double core 6 sq mm. copper wire for phase and neutral	mtr	452.05	20.00	9,041.00
8	Supply, delivery and fixing of Ceiling fan hook box made out of 18 swg GI sheet and containing 10 mm dia round ms bar projecting atleast 150mm on either side & duly bent to accommodate ceiling fan down rod bolt & having earthing arrangement as per direction of Engineer-in-charge.	Nos.	150.00	10.00	1,500.00
9	36Watt LED Light fitting (3300 Lumen) for PHILIPS .(CAT No:RC365B LED33- 6500 PSU OD WH)/ Equivalent of Halonix/Panasonic/crompton as required	Each	3,983.00	10.00	39,830.00
10	20Watt LED Surface/suspended Battern Linear Luminaire (2000 Lumen) PHILIPS (CAT No:WT150C LED205-6500 PSE OD GR) / Equivalent of Halonix/Panasonic/crompton	Each	1,753.00	10.00	17,530.00
11	6Watt LED Light fitting (600 Lumen) PHILIPS (CAT No:DN191B LED6S-6500 PSU WH S1) / Equivalent ofHalonix/Panasonic/crompton	Each	1,231.00	4.00	4,924.00
12	Supplying, installation, testing and commissioning of ceiling fan (5 star rating) including wiring the down rod, earthing etc as required (Make: Bajaj/Usha/ Crompton/ Orient/ Khaitan/ Havells).		-	-	-
(a)	1200 mm sweep	Nos.	2,656.00	10.00	26,560.00
13	Supplying, installation, testing and commissioning of Exhaust fan / fresh air fan with louvre (Make -Bajaj/Usha/Crompton/Orient/Khaitan/Havells) as required.		-	-	-
a)	225 mm sweep fibre body fresh air fan	Nos.	1,753.00	2.00	3,506.00
14	Supplying, installation, testing and commissioning of Split Air Conditioner (Make -DAIKINI/VOLTAS/ BLUE STAR/as required.	Nos.	55,000.00	4.00	2,20,000.00
15	Supplying and fixing following way, TP and neutral, sheet steel, MCB distribution board, IP-43,IK09 with metal door ,415 V, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCBOs/ISOLATORS) Make-Legrand(Ekinoxe3/siemens(Betaguard)/Schneider Acti9		-	-	-
a)	6 way, Double door	Nos.	4,631.00	2.00	9,262.00

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
16	Supplying and fixing following way, single pole and neutral, sheet steel, MCB distribution board, IP-43, IK-09, 240 V, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCBOs/ISOLATORS)		-	-	-
a)	12 way, Double door	Each	2,523.00	2.00	5,046.00
17	Supplying and fixing following rating RCBOs/ MCBs in the existing DB complete with connections, testing and commissioning etc. as required Make-Legrand/L&T/ABB		-	-	
c)	6 Amp to 32 Amp, 10 KA SP MCB (C-Curve)	Each	305.00	2.00	610.00
18	Supplying and fixing of following sizes of heavy gauge PVC conduit along with accessories in surface/recess including cutting the wall and making good the same in case of recessed conduit as required.		-	-	
a)	20 mm	mtr	52.00	100.00	5,200.00
19	Earthing with GI earth pipe 4.5 meter long,40mm dia incluiding accessories and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc with charcoal/coke and salt as required	Nos.	5,809.32	1.00	5,809.32
20	Providing and fixing 25 mm X 5mm GI strip on surface or in recess for connection etc as required.	Mtr	129.00	5.00	645.00
21	Providing and fixing 6 SWG GI wire on surface or in recess for loop earthing along with surface/recessed MS Conduit/submain wiring/cables etc as required.	Mtr	37.00	5.00	185.00
	Total Electrical Amount				4,16,847.67
	Total Electrical Alliquiti				4,10,047.07
4	FIRE FIGHTING SYSTEM				
1	Supplying installation testing and commissioning of ABC type fire extinguishers of 6 kg capacity confirming to IS:14609 & ABC powder confirming IS:13849 presurized with Nitrozen Gas marked.including cost of all material & labour for all floors & service building etc. all complete. Make-KANEX/FIRE SHILD /SAFEX or equivalent	Nos	3,264.00	2.00	6,528.00
2	Supplying, installation, testing and commissioning of CO_2 type Fire Extinguisher 4.5 kg capacity confirming to IS: 2878 made from ISI marked seamless cylinder confirming to IS: 7285, fitted with ISI marked controlled valve confirming to IS: 3224, high pressure 1mtr discharge hose & horn complete with initial gas charged with carrying handle & wall mounting bracket for all floors & service building etc. as per direction of Engineer-in-charge.Make-KANEX/FIRE SHILD /SAFEX or equivalentor equivalent	Nos	7,700.00	2.00	15,400.00
3	Supplying, installation, testing and commissioning of Mechanical Foam type 9 litre capacity Fire Extinguisher, ISI marked, IS: 10204, containing 540 ml AFFF liquid ISI marked, IS: 4989 Part II and a polyurethane coated CO2 Gas Cartridge, ISI marked, IS: 4947 complete with gunmetal union cap, nylon hose with plastic foam making branch and wall mounting bracket as per direction of Engineer-in-charge	Each	3,659.00	2.00	7,318.00

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
4	Sand Buket as per IS Specicification	Each	500.00	3.00	1,500.00
5	Buket Stand to Store 10 nos of Buket also having Aluminium sheet above the to prevent the stand from rain/sunst.	Nos	2,820.00	1.00	2,820.00
	Total Fire Fighting Amount				33,566.00

NIT No: PCO/BBSR/980/200 Date- 26.09.2024

MULTI-PURPOSE CENTRE (MPC) AT GARATHA, MUNIKHOL, MUNIGUDA IN THE DISTRICT OF RAYAGADA

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
	Architectural Consultancy Services	Lot	54974.89	1	54974.89
	Sub Total				54974.89
1	CIVIL WORKS				
Α	EARTH WORK				
	Earth work in stoney earth and gravels mixed with stone				
	and boulder not exceeding 0.014 cum in volume within 50m				
1	initial lead and 1.5m initial lift including rough dressing and				
_	breaking clods to maximum 5cm to 7cm and laying in layer				
	not exceeding 0.3m in depth and as per specification				
	approved by the dept.	C 11	210.07	202.50	42.022.40
i	Ordinary Soil Soft Rock	CuM	210.97 329.01	203.50 51.69	42,932.40
iii	Hard Rock	CuM CuM	2,726.10	2,58	17,006.53 7,033.34
'''	Supplying & Filling foundation trenches , plinth & ditches	CuM	2,720.10	2.50	7,033.34
	with clean course river sand well watered and rammed in				
	layers not exceeding 23 c.m. in depth with all lead and lift				1,56,874.62
	including cost, conveyance, loading, unloading,	c 11	700.00	200.53	
2	stacking,royalties and all taxes of sand,cost & conveyance of	CuM	782.30		
	water, cost of all Labour,labour cess,T&P required for the				
	work etc. complete in all respect as directed by the				
	Engineer- in -charge				
	Back filling available excavated earth (excluding rock) in				
	trenches, plinth, sides of foundations etc. in layers not	a	447.00	24.05	4.04440
3	exceeding 20 cm in depth, consolidating each deposited	CuM	117.20	34.25	4,014.10
	layer by ramming and watering, lead upto 50 m and lift upto				
	1.5m. Making plinth protection 150 mm thick of cement concrete				
	1:3:6 (1 cement: 3 coarse sand : 6 graded stone aggregate				
	20 mm nominal size) over 75mm thick bed of dry brick				
4	ballast 40 mm nominal size, well rammed and consolidated		-	-	-
	and grouted with fine sand, including finishing the top				
	smooth				
		SqM	2,392.90	54.00	1,29,216.60
В	PLAIN & REINFORCEMENT CONCRETE		-	-	-
	Providing and laying P.C.C[1:4:8] using 4cm size metal etc				
	in foundation and floors using cement , 40 mm size crusher				
	broken H.G.Metal and screened and washed sharp river sand	c 11	F 440 00	24.02	4.05.405.00
1	for mortar of approved quality and from approved quarry	CuM	5,149.80	36.02	1,85,495.80
	including hoisting ,lowering and laying concrete to the				
	required level, ramming ,watering and curing etc				
	Providing and laying in position ready mixed M25 grade				
	concrete having compressive strength at 28 days test not				
2	lessthan 250kg/sq.cm for reinforced cement concrete work		-	-	-
	using cement content as per approved design mix etc				
	including Rigid & smooth centering and shuttering.				

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
a	For R.C.C foundation, footing bases of column, mass concrete,pre-cast etc.	CuM	6,491.35	70.61	4,58,354.22
b	For R.C.C plinth band etc.	CuM	7,312.80	12,33	90,166.82
С	R.C.C Beam & Coloum		-	-	-
i	Ground Floor	CuM	14,315.30	26.87	3,84,652.11
d	Lintel		-	-	-
i	Ground Floor	CuM	13,594.30	3.38	45,948.73
f	Chaja		-	-	-
i	Ground Floor	Sqm	1,128.30	12.15	13,708.85
9	Roof slab, Landing, Balcony,		-	-	-
i	Ground Floor	CuM	12,908.30	27.43	3,54,074.67
3	Cutting ,Straightening coiled or bend up HYSD/TMT Reinforcement bars welding or jointing if necessary , bending ,tying the grills as required for R.C.C works etcwinding wire extra		-	-	-
α	Foundation	Qntl	8,861.00	46.33	4,10,530.13
u	Ground floor	Qntl	8,861.00	72.87	6,45,701.07
С	BRICK WORK	٠	-	-	-
1	Fly Ash Brick Masonry in cement mortar of mix (1:6) using Fly Ash bricks of size 25c.m x 11 c.m x 8 c.m in Foundation & Plinth having crushing strength not less than 75 kg per square c.m. with cement and screened & washed sharp sand for mortar after immersing the bricks for 6 (Six) hours in water before use in works with all necessary projections, splays cutting, circular moulding, corbelling, chamfering, watering and curing etc. including cost, coveyance, stacking, loading, unloading, royalties, all taxes, cost of all labour, Labour cess, scaffolding, sundries and T&P required for the works etc. complete in all respect as directed by the Engineer-in-charge.	CuM	5,111.00	- 20.30	1,03,753.30
2	Fly Ash Brick Masonry in cement mortar of mix (1:6) using Fly Ash bricks of size 25c.m x 11 c.m x 8 c.m in superstructure having crushing strength not less than 75 kg per square c.m. with cement and screened & washed sharp sand for mortar after immersing the bricks for 6 (Six) hours in water before use in works with all necessary projections, splays cutting, circular moulding, corbelling, chamfering, watering and curing etc. including cost, coveyance, stacking, loading, unloading, royalties, all taxes , cost of all labour, Labour cess , scaffolding, sundries and T&P required for the works etc. complete in all respect as directed by the Engineer-in-charge.		-	-	-
α	Ground Floor	CuM	5,144.00	66.30	3,41,047.20
3	Fly Ash Brick masonry in cement mortar of mix [1:4] using Fly Ash bricks of size 25cm12cmx8cm in superstructure having crushing strength not less than 75 kg/m2 etc[Half Brick work]		-	-	-
α	Ground Floor	CuM	5,458.00	1.05	5,730.90
			-	-	-
D	PLASTERING & PAINTING		-	-	-

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
1	Providing 12mm. Thick cement plaster in cement mortar or mix(1:6) in all floors at all height with cement & screened and washed sharp river sand for mortar and finished smooth to the rough surface of the brick masonary walls after racking out the joints (alongwith providing grooves wherever necessary) including watering and curing, rounding of corners etc. complete with cost, conveyance, loading, unloading, royalities and taxes of all materials, cost of all labour, T&P, sundries and scaffolding required for the work etc. as directed by the Engineer-in- charge.		-	-	-
α	Ground floor	SqM	153.30	350.49	53,730.12
2	Providing 16mm. Thick cement plaster in cement mortar or mix(1:6) in all floors at all height with cement & screened and washed sharp river sand for mortar and finished smooth to the rough surface of the brick masonary walls after racking out the joints (alongwith providing grooves wherever necessary)including watering and curing, rounding of corners etc. complete with cost, conveyance, loading, unloading, royalities and taxes of all materials, cost of all labour, T&P, sundries and scaffolding required for the work etc. as directed by the Engineer-in- charge.		-	-	-
α	Ground floor	SqM	219.10	371.30	81,351.83
3	Finishing wall surface of wall with cement based wall putty [water based] of approved make and finished smooth and even surface to receive painting including cost etc		-	-	-
α	Ground Floor	SqM	81.61	930.15	75,909.54
4	Providing and applying 2 coats with 100% acrylic emulsion paint on New surface including one coat of primer (exterior quality) of approved make & shade by reputed manufacturer to make an even finished surface over a coat of primer with water bound cement primer in all heights with all scaffolding and staging charges including cost, conveyance, taxes of all materials, cost of all labours, T & P, sundries etc. as required for the work complete.		-	-	-
α	Ground floor	SqM	150.10	371.30	55,732.13
5	Supplying and painting of internal walls and ceiling with two or more coats of ACRYLIC emulsion paint on New surface which includes a coat of primer all complete. The shade and brand to be of approved brand & shade over the surfaces including preparation of surface, with cost of all materials, labour, conveyance taxes of all materials,scaffolding etc., as per the direction of the Engineer-in-charge.		-	_	-
α	Ground floor	SqM	149.30	558.86	83,437.80

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount .
6	Painting with synthetic enamel paint over a coat of primer of approved colour, shade and brand on New wood work /steel work in two or more coats as required to give an even shade including an under coat of suitable primer of approved brand and manufacturer including cost of all materials with taxes and transportation, loading, unloading, scaffolding, all labour, Labour cess, sundries, T&P, etc. complete as per the direction of the Engineer-in-charge including filling gaps with putties, scrapping, sand papering and cleaning the surface to make free from rusts, dusts and oily substances before applying primer etc. complete.			-	-
α	Ground floor	sqm	216.80	25.20	5,463.36
E	FLOORING		-	-	-
1	A. S flooring under layer of 25mm thick C.C. (1:2:4) with 12mm ize granite chips and top layer of 6mm thick plaster cement red oxide mix using 3.5kg or red oxide per 50 kg of cement 1:3 finished with a floating coat of cement and Red oxide mix of same proportion.		-	-	-
α	Ground floor	SqM	430.00	162.84	70,021.20
2	12mm thick cement plaster in CM(1:4) with cement punning for skirting & Dados including all cost. complete with cost, conveyance, royality of all materials and labour with T&P required for the work with royalities, taxes etc.complete in all floors as per direction of Engineer-in-charge.	SqM	175.10	20.57	3,601.81
F	DOOR & WINDOW		-	-	-
1	Providing and fixing unplasticised poly vinyl chloride (UPVC) door in cluding all fittings and cost, conveyance of all materials, labours and T&P required for the work etc, all complete as per direction of engineer in charge.	Sqm	8,963.00	3.15	28,233.45
2	Providing and fixing 30 mm thick factory made single extruded WPC (Wood polymer composite) solid plain flush door shutter of required size fixing with stainless steel butt hinges of required size with necessary full body threaded star headed counter sunk S.S screws, all complete as per direction of engineer in charge.	Sqm	4,424.00	15.75	69,678.00
3	Supplying, fitting, fixing up window (sliding type) made up aluminum Section 9778 as windows frame, section No. 4095, 4096 and 9777, 3994 as shutter frame with rubber beading including locking arrangement including all fitting including cost of materials all taxes labour, T&P etc. complete as per direction of Engineer-in-charge. including cost of frosted glass & SS mosquito net.	Sqm	7,648.40	24.30	1,85,856.12
G	STEEL WORK		-	-	-
			-	-	-

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
1	Supplying, titting and fixing of M.S grills, grill gates with top and bottom rails, (as per I.S. specification and as per approved drawings) in proper position in all floors and at all height including making holes to brick walls/ R.C.C structure/wood work etc. and making good to the damaged walls/ structures with cement concrete (1:2:4) with black hard crusher broken granite stone chips of 12mm to 20mm size (20mm size not to exceeds 25%) including watering and curing including cost, conveyance, loading, unloading, stacking, royalties and taxes of all materials, cost of all Labour, Labour cess, Sundries, T&P required for the work etc.complete as per the direction of Engineer in charge (W.I. / M.S. windows grills, grill gates, collapsible gates with top and bottom rails, steel windows, steel doors, steel frames for doors and windows, staircase and parapet railings square bar along with required nos. of nails and screws and other required materials of approved quality and approved size shall be supplied by the contractor at his own	KG	89.50	864.00	77,328.00
2	Supplying, fitting and fixing of Stainless steel of 304 grade in hand railing using 50mm dia of 2mm thick circular pipe with balustrade of size 32mmx32mmx2mm @ 0.90mtr.C/C and stainless square pipe bracing of size 32mmx32mmx2mm in 3 rows in stair case as per approved design and specification ,buffing, polishing etc with cost,conveyance,taxes of all materials, labour, T & P etc. required for the complete in all respect	Rmt	3,524.00	22.50	79,290.00
			-	-	-
Н	Grading plaster		-	-	-
1	2.5 cm thick grading Plaster (1:4) on roof slab with 6mm size HG chips including all cost, conveyance, royalty & taxes etc.comp.to work site for new work as per the specification approved by the department & direction of E.I.C	sqm	387.30	215.00	83,269.50
					10 10 111 05
	TOTAL CIVIL WORK				43,49,144.25
2	PLUMBING AND SANITARY WORK				
	I DOMDZIAO AIAO ONIATIANI WORK				
	INTERNAL PH WORKS				
1	Supplying all materials, labour and T&P for fitting and fixing white glazed vitreous china porcelain Indian Pan water closet of size 23" of approved make confirming to IS-2556 and top inlet for sinking into floor with 100mm PVC 'P' trap etc. including supply of necessary cement concrete for fitting the closet etc. complete in all respect in all floors including cost, conveyance and taxes of all materials etc. complete and as per PH specification and direction of Engineer-in-charge.	Nos	E.43.07	2,00	11 225 72
		1405	5,612.86	2.00	11,225.72

Item No/5.No	Description of work	Unit	Rate	Quantity	Amount
2	Supplying all materials, labour and T&P for fitting and fixing white glazed vitreous china porcelain flat back urinal pan of approved make confirming to IS-2556 and top inlet for sinking into floor with 100mm PVC 'P' trap etc. including supply of necessary cement concrete for fitting the closet etc. complete in all respect in all floors including cost, conveyance and taxes of all materials etc. complete and as per PH specification and direction of Engineer-in-charge including marble partition in between urinals.		-	-	-
		Nos	12,288.40	2.00	24,576.80
3	Supplying all materials, labour, T&P and fixing standard sized shower (bath shower) of approved make etc complete including cutting the wall and making good the damages, including cost of all materials complete as per PH specification and direction of Engineering-in- charge.		-	,	-
		Nos	993.00	2.00	1,986.00
4	Supplying all materials, labour and T&P for fitting and fixing white glazed vitreous china porcelain wash basin of size 450mm x 300mm of approved make confirming to IS-2556 and top inlet for sinking into floor with 100mm PVC 'P' trap etc. including supply of necessary cement concrete for fitting the closet etc. complete in all respect in all floors including cost, conveyance and taxes of all materials etc. complete and as per PH specification and direction of Engineer-in- charge.		-	-	-
		Nos	9,150.40	4.00	36,601.60
5	Supplying all materials, labour, T&P and fixing standard sized CP Bib cock of approved make etc complete including cutting the wall and making good the damages, including cost of all materials complete as per PH specification and direction of Engineering-in-charge.		-	-	-
		Nos	1,873.00	4.00	7,492.00
6	Supplying all materials, labour, T&P and fixing standard sized 15mm dia Angular Stop cock of approved make etc complete including cutting the wall and making good the damages, including cost of all materials complete as per PH specification and direction of Engineering-in- charge.		-	-	-
		Nos	1,158.40	4.00	4,633.60
7	Supplying all materials, labour, T&P and fixing standard 15mm sized pillar cock of approved make etc complete including cutting the wall and making good the damages, including cost of all materials complete as per PH specification and direction of Engineering-in-charge.		-	-	-
		Nos	1,626.00	4.00	6,504.00
8	Supplying all materials, labour, T&P and fixing standard sized Long body 15mm dia CP Bib cock of approved make etc complete including cutting the wall and making good the damages, including cost of all materials complete as per PH specification and direction of Engineering-in- charge.	Nos	2,107.00	4.00	8,428.00
			-	•	-

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
9	Supplying all materials, labour, T&P and fixing standard sized two way CP Bib cock of approved make etc complete including cutting the wall and making good the damages, including cost of all materials complete as per PH specification and direction of Engineering-in- charge.	Nos	1,873.40	2.00	3,746.80
10	Supplying all materials, labour, T&P and fixing standard sized shower (Health Faucet) of approved make etc complete including cutting the wall and making good the damages, including cost of all materials complete as per PH specification and direction of Engineering-in- charge.	Nos	993.00	2.00	1,986.00
11	Supplying all materials, labour, T&P and fixing standard sized Chromium Plated brass towel rail complete with Chromium Plated brass brackets fixed to wooden plugs with Chromium Plated brass screws as per specification and direction of the Engineer in charge		-	-	-
12	Fixing 600x450mm bevelled edge mirror of superior glass mounted on 6mm thick A.C sheet or plywood sheet and fixed to wooden plugs with Chromium Plated brass screws and washers complete as per specification and direction of	Nos	1,369.70	2.00	2,739.40
	the Engineer in charge	NOS	1,841.80	4.00	7,367.20
13	Supplying all materials, labour, T&P and fittings and fixing of Poly Propelene white double layer water storage Tank of approved make confirming to IS 12701-1996 including cutting holes through the tank and fixing mild steel tubes and fittings and providing extra sockets and jam nuts, fixing ball valve etc including hoisting upto terrace level and placing the tank to the required position etc all complete as per PH specification and direction of Engineer-in-charge. (To provided with brick masonary guard walls which will be paid separately)		- -	-	-
α	2000 ltr	Nos	25,364.70	1.00	25,364.70
14	Supplying all materials, labours, T&P and fitting and fixing of the following size of CPVC pipe confirming to IS 15778 certification mark with socket and screw joints in walls and floors including supplying of required number of fittings of approved make including cutting threads to pipes and pipes to length, including wastage,etc for fitting to the walls with supply of holder ats, clamps, fixing wooden plugs in walls, including testing of pipe line for water tightness complete as per IS specification including cost, conveyance and taxes of all materials all complete as per PH specification and direction of Engineer-in-charge.		- -	-	-
α	25 mm dia	R.mtr	368.50	20.00	7,370.00
Ь	32 mm dia 40mm dia	R.mtr	563.20	20.00	11,264.00
15	Providing all materials, labour, Fitting & fixing of CPVC Ball	R.mtr	732.10 0	20.00	14,642.00
	Valve with CTS socket. Make : Prince) 25mm Dia	Nos	842.00	1.00	842.00

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
Ь	32mm Dia	Nos	1,589.00	1.00	1,589.00
С	40mm dia	Nos	2,391.00	1.00	2,391.00
	Supplying all materials,labours,T&P for cutting holes				
	through existing brickwork including making good the				
16	damages in cement mortar (1:4) for taking GI pipes and		-	-	-
	fittings/PVC pipes and fittings etc all complete as per PH specification and direction of Engineer-in-charge.				
	Specification and all ection of Engineer-in-charge.	Nos	55.60	2.00	111.20
	Supplying all materials,labours,T&P for cutting holes				
	through existing RCC floors & roofs including making good				
17	the damages for taking GI pipes and fittings/PVC pipes and		-	-	-
	fittings etc all complete as per PH specification and				
	direction of Engineer-in-charge.	Nice	1/7.40	2.00	224.00
	Supplying all materials labour TSD for construction of built	Nos	167.40	2.00	334.80
	Supplyng all materials, labour, T&P for construction of brick masonary Gulley trap chamber of size300mm × 300mm				
	with CI gulley trap, by Fly ash brick masonry in CM (1:4), CP				
	(1:6) with 150mm × 150mm CI grating including labour and				
	materials for fitting and fixing 100mm dia square mouth CI				
18	gully trap with supply of all jointing materials and encasing		-	-	-
	the gully trap with a block of CC (1:4:8) with 25mm size hard				
	stone metal all complete with providing and fixing of 250mm				
	x 250mm precast RCC cover slab including cost, conveyance,				
	taxes of all materials to site complete as per the PH				
	specification and direction of Engineer-in-charge.				
		Nos	3,592.00	2.00	7,184.00
	Providing all materials labour, T&P for making grooves in				
	bricks/stone masonary walls vertically or horizontally up				
	to required depth and width in all floor for laying of pipes and fittings up to 50mm dia, testing the joints with required				
	water pressure and making good the damages with cement				
19	concrete 1:2:4 with 12mm size h.g.c.b.chips and finished		0.00	0.00	-
	smooth with cement morter (1:4) to original shape including				
	cost of all materials, curing, conveyance of all materials etc.				
	all complete excluding GST as per specification & direction				
	of Engineer-in-charge.				
		Rmt	250.50	20.00	5,010.00
II	External PH		-	-	-
	Supplying all materials, labours, T&P and fitting and fixing				
	of the following size of CPVC pipe confirming to IS 15778				
	certification mark with socket and screw joints in walls and				
	floors including supplying of required number of fittings of				
	approved make including cutting threads to pipes and pipes				
20	to length, including wastage,etc for fitting to the walls with		-	-	-
	supply of holder ats, clamps, fixing wooden plugs in walls,				
	including testing of pipe line for water tightness complete				
	as per IS specification including cost, conveyance and taxes				
	of all materials all complete as per PH specification and				
	direction of Engineer-in-charge.				
a	50mm dia	Rmt	1,153.60	10.00	11,536.00

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
21	Supplying all materials & labour, T&P and constructing brick masonary chamber for water sluice valve, single air valve & non return valve with Fly ash brick masonary in cement mortar (1:4) as per approved drawing and specification CC (1:4:8) with 4cm size hard granite metal on the bed, 12mm cement plaster (1:6) to inside and cement flush pointing (1:6) to outside surface with 100mm thick RCC M20 cover slab with 20mm hg chips using required quantity of tor steel, centring and shuttering to the slab and dismantling it after 31 days of casting, filling the outside cavity with excavated materials, watering, curing including cost, conveyance, taxes of all materials, labour charges for cutting, bending, binding and tying the grills in proper position etc all complete as per drawing, design and direction of Engineer-in- charge.		-	-	-
а	Chamber (0.75x0.75x0.7mtr)	Nos	9,745.00	1.00	9,745.00
	Supplying all materials, labour, 1&P and fitting and fixing of		-	-	-
22	double air valve of 50mm Dia confirming to the relevant IS specification and dimension including fixing it in position along the pipeline with supply of all required materials such as rubber insertion, nuts & bolts including cost of all materials, taxes, and duties, transportation charges from store to site etc all complete as per the direction of Engineer-in-charge		-	-	-
		Nos	4,111.90	1.00	4,111.90
23	Supply, installation, testing and commisioning of automatic star delta control panel suitable for 2 HP pumpset including MS box fitted with main switch ,contactor, single phasing preventer, timer, selector switch, voltmetre, ammeter etc and connection with motor inside the sump with suitable cable etc complete as per the Direction of Engineer-incharge. (Excluding power supply)(MR)		-	-	-
		Set	14,500.00	1.00	14,500.00
24	Septic Tank Earth work in excavation in Hard rock by mechanical means (Hydraullic excavator)/ manual means overareas (exceeding 30 cm in depth, 1.5 m in width as well as 10sqm on plan) inculding disposal of excavated earth up to 50 m and lift upto 1.5m with all lead and lift including shoring, shuttering & dewatering (if required) with cost of all Labour, Labour cess, Hire & Running charges of the water pumps, T & P required for the work complete as directed by the Engineer- in-charge Earth work excavation beyond 1.50mtr depth	CuM	- 210,97	- 6.00	1,265.82
	Supplying and filling the Foundation & Plinth with clean		213.57	3.30	1,200.02
25	coarse river sand of approved quality from approved quarry, laying in layers not exceeding 150mm thick, watering and ramming including cost, conveyance, royalty and taxes of all materials, cost of all labour, T&P etc. as required for the work complete as per direction of the Engineer-in-charge.		-	-	-
		CuM	782.30	2.73	2,135.68

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
26	Providing & laying cement concrete of prop. (1:4:8) in foundation bed and floors using 40mm nominal size down graded, screened, washed hard black crusher broken granite metal of approved quality & from approved quarry including laying in the layers not exceeding 100 mm thick, etc	CuM	5,149.80	0.75	3,862.35
27	Providing and laying in position ready mixed M25 grade concrete having compressive strength at 28 days test not lessthan 250kg/sq.cm for reinforced cement concrete work using cement content as per approved design mix etc		-	-	-
α	Foundation	CuM	6,491.35	1.00	6,491.35
ь	RCC Wall	CuM	7,312.80	2.03	14,844.98
С	Slab Cutting,straightening coiled or bent up HYSD/TMT	CuM	12,908.30	1.00	12,908.30
28	Reinfocement Bars welding or jointing if necessary ,bending, binding, tying the grills as etc	Qntl	8,861.00	3.60	31,899.60
29	Providing 12mm. thick cement plaster with cement mortar of mix (1:4) in all floors cement and with screened and washed sharp sand for mortar with neat cement punning finished smooth to brick/RCC walls after racking out the joints including watering and curing complete with cost, etc		-	-	-
		SqM	153.30	12.18	1,867.19
30	Providing and laying of P.C.C. of 1:3:6 with 12 mm size hard granite metal in foundation trenches, under floors in line level including curing and ramming etc. all complete as per the direction of the Engineer-in-charge		o	0	-
		Sqm	6,256.90	0.34	2,127.35
31	Finishing walls with water proofing cement paint of approved shade on new work Two coat to give an even shade	•	-	-	-
		Sqm	37.90	12.18	461.62
32	Back filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20 cm in depth, consolidating each deposited layer by ramming and watering, lead upto 50 m and lift upto 1.5m.		-	•	ı
		CuM	117.20	5.55	650.46
	Soak Pit		-	-	-
33	Supplying and filling the Foundation & Plinth with clean coarse river sand of approved quality from approved quarry, laying in layers not exceeding 150mm thick, watering and ramming including cost, conveyance, royalty and taxes of all materials, cost of all labour, T&P etc. as required for the work complete as per direction of the Engineer-in-charge.		-	-	-
		CuM	782.30	1.00	782.30
34	Providing & laying cement concrete of prop. (1:4:8) in foundation bed and floors using 40mm nominal size down graded, screened, washed hard black crusher broken granite metal of approved quality & from approved quarry including laying in the layers not exceeding 100 mm thick, etc	CuM	5,149.80	0.62	3,192.88

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
35	Providing and laying in position ready mixed M25 grade concrete having compressive strength at 28 days test not lessthan 250kg/sq.cm for reinforced cement concrete work using cement content as per approved design mix etc		-	-	-
α	Foundation	CuM	6,491.35	0.32	2,077.23
36	Providing 12mm. thick cement plaster with cement mortar of mix (1:4) in all floors cement and with screened and washed sharp sand for mortar with neat cement punning finished smooth to brick/RCC walls after racking out the joints including watering and curing complete with cost, etc		-	-	-
		SqM	269.40	1.36	366.38
37	Providing and laying of P.C.C. of 1:3:6 with 12 mm size hard granite metal in foundation trenches, under floors in line level including curing and ramming etc. all complete as per the direction of the Engineer-in-charge		0	0	-
		Sqm	8,345.80	0.62	5,174.40
38	Fly Ash Brick Masonry in cement mortar of mix (1:6) using Fly Ash bricks of size 25c.m x 12 c.m x 8 c.m in Foundation & Plinth having crushing strength not less than 75 kg per square c.m. with cement and screened & washed sharp sand for mortar after immersing the bricks for 6 (Six) hours in water before use in works with all necessary projections, splays cutting, circular moulding, corbelling, chamfering, watering and curing etc. including cost, coveyance, stacking, loading, unloading, royalties, all taxes, cost of all labour, Labour cess, scaffolding, sundries and T&P required for the works etc. complete in all respect as directed by the Engineer-in-charge.		-	-	-
	. 3	CuM	5,379.00	6.37	34,264.23
39	Supplying all materials, labour, T&P, fitting and fixing uPVC SWR pipes (Type-B)(Co-moulded Ring type) of approved make confirming to IS-13592/1992with ISI marked, both below & above ground level or fixing on wall surface in all floors including transportation & scaffolding etc. all complete as per specification excluding GST & direction of the Engineer-in-charge.		0	0	-
a	Pipe 110mm dia	R.Mtr	828.11	30.00	24,843.30
ь	110mm×110mm 'P' Trap (Make:Astral)	nos	494.00	2.00	988.00
С	110mm dia single 'Y' withoutdoor	nos	479.00	2.00	958.00
d	110mm WC connector/Bend with lip ring	nos	360.00	2.00	720.00
e	110mm Socket plug	nos	180.00	2.00	360.00
f	Upvc Elbow	nos	786.00	2.00	1,572.00
40	Sinking of 200 mm x150mm size production well through DTH or combination drilling riges in hard rock area with PVC or GI casing pipes. 120mtr depth (1nos)	L.S	2,00,000.00	1.00	2,00,000.00

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
41	Supplying, fitting and fixing of Antiskid Ceramic Floor Tiles in flooring using special plain / printed series Ceramic Floor Tile of premium grade (having minimum thickness 7 mm to 8 mm & size 300 mm x 300 mm OR 600 mm x600 mm, confirming to I.S 13755 of approved quality and shade in floors, treads on steps and landings on 25 m.m thick bed of cement mortar of mix (1:1) laid in proper slope and gradient with screened &		-	-	-
	washed sharp etc Ground floor	SqM	1,153.90	17.88	20,631.73
42	Supplying, fitting and fixing of ceramic glazed wall Tiles in skirting dado,risers of step and wall using special plain / printed series Ceramic wall Tile of premium grade (having minimum thickness 6.5 mm to 6.7 mm & size 300 mm x 300 mm OR 600mm x300 mm,		-	-	-
	Ground floor	SqM	1,317.60	68.46	90,202.90
	TOTAL of internal PH WORK[I]				6,97,930.77
3	ELECTRICAL WORK				
	ESCOTIZIONS WORK				
1	Wiring for light point/ fan/ exhaust fan point/ call bell point with 1.5 sqmm FRLS PVC insulated copper conductor single core cable in surface / recessed 2 mm thick PVC conduit with modular switch and earthing the point with 1.5 sqmm FRLS PVC insulated copper conductor single core cable including providing modular box with cover of requisite number of modules including providing cover plates as required. Make Conduit:Norepack/Precision/AKG Wire-KEI/Havells/Finolex Switch/socket-Legrand		-	-	-
a)	Single light point controlled by one 6A switch or first light	Each	785.00	20.00	15,700.00
b)	point of group control. Subsequent point of group control	Each	515.00	4.00	2,060.00
2	Supplying and fixing two module steeped type electronic fan regulator with proper modular plate switch box including connections etc. as required. Switch/socket-Legrand (myrius)/Panasonic(vision)/schneider(zencelo)	Nos.	653.00	2.00	1,306.00
3	Supplying and fixing 6 Amp plug with 6 Amp switch (Modular Type) on existing board.	Nos.	356.00	8.00	2,848.00
4	Supplying and fixing including testing and commissioning of 6A modular socket outlet with 6 Amp switch including providing GI modular box with faceplate etc as required.		-	-	-
a)	1 nos 6 Amp 3-pin socket with 6 Amp switch.	Nos.	512.00	8.00	4,096.00
b) 5	2 nos 6 Amp 3-pin socket with 2 nos 6 Amp switch. Supply, installation, testing & commissioning of 6 / 16 Amp Plug Boards consisting of a 16 Amp clip-in type modular switch with indicator and a 6/16 Amp clip-in type modular socket fixed on metallic concealed box including interconnections and making good the damages caused complete as required and as per direction of Engineer-in- charge	Nos.	909.00 652.00	8.00	5,454.00 5,216.00

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
6	Supplying, installation, testing & commissioning of 25 amp modular socket outlet on surface or in recess, on 1 Nos two module GI box with plate for socket point and one nos two module GI Box with face plate for switch etc. complete as direction of Engineer-in-charge. As per Crabtree(cat no-ACT0202504) or equivalent of Legrand/Schneider.	Each	1,330.15	4.00	5,320.60
7	Wiring for circuit/ submain wiring along with earth wire of following size of FRLS heavy gauge PVC insulated copper conductor single core cable in heavy duty PVC conduit laid in surface/ recess as required.		-	-	-
a)	2X2.5 + 1X2.5 sqmm FRLS Cu wire (for Light circuit wiring)	mtr	233.05	75.00	17,478.75
b)	double core 4 sq mm. copper wire for phase and neutral	mtr	386.00	20.00	7,720.00
c)	double core 6 sq mm. copper wire for phase and neutral	mtr	452.05	20.00	9,041.00
8	Supply, delivery and fixing of Ceiling fan hook box made out of 18 swg GI sheet and containing 10 mm dia round ms bar projecting atleast 150mm on either side & duly bent to accommodate ceiling fan down rod bolt & having earthing arrangement as per direction of Engineer-in-charge.	Nos.	150.00	10.00	1,500.00
9	36Watt LED Light fitting (3300 Lumen) for PHILIPS .(CAT No:RC365B LED33- 6500 PSU OD WH)/ Equivalent of Halonix/Panasonic/crompton as required	Each	3,983.00	10.00	39,830.00
10	20Watt LED Surface/suspended Battern Linear Luminaire (2000 Lumen) PHILIPS (CAT No:WT150C LED205-6500 PSE OD GR) / Equivalent of Halonix/Panasonic/crompton	Each	1,753.00	10.00	17,530.00
11	6Watt LED Light fitting (600 Lumen) PHILIPS (CAT No:DN191B LED6S-6500 PSU WH S1) / Equivalent ofHalonix/Panasonic/crompton	Each	1,231.00	4.00	4,924.00
12	Supplying, installation, testing and commissioning of ceiling fan (5 star rating) including wiring the down rod, earthing etc as required (Make: Bajaj/Usha/ Crompton/ Orient/ Khaitan/ Havells).		-	-	-
(a)	1200 mm sweep	Nos.	2,656.00	10.00	26,560.00
13	Supplying, installation, testing and commissioning of Exhaust fan / fresh air fan with louvre (Make -Bajaj/Usha/Crompton/Orient/Khaitan/Havells) as required.		-	-	-
a)	225 mm sweep fibre body fresh air fan	Nos.	1,753.00	2.00	3,506.00
14	Supplying, installation, testing and commissioning of Split Air Conditioner (Make -DAIKINI/VOLTAS/ BLUE STAR/as required.	Nos.	55,000.00	4.00	2,20,000.00
15	Supplying and fixing following way, TP and neutral, sheet steel, MCB distribution board, IP-43,IK09 with metal door ,415 V, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCBOs/ISOLATORS) Make-Legrand(Ekinoxe3/siemens(Betaguard)/Schneider Acti9		-	-	-
a)	6 way, Double door	Nos.	4,631.00	2.00	9,262.00

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
16	Supplying and fixing following way, single pole and neutral, sheet steel, MCB distribution board, IP-43, IK-09, 240 V, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCBOs/ISOLATORS)		-	-	-
a)	12 way, Double door	Each	2,523.00	2.00	5,046.00
17	Supplying and fixing following rating RCBOs/ MCBs in the existing DB complete with connections, testing and commissioning etc. as required Make-Legrand/L&T/ABB		-	-	-
c)	6 Amp to 32 Amp, 10 KA SP MCB (C-Curve)	Each	305.00	2.00	610.00
18	Supplying and fixing of following sizes of heavy gauge PVC conduit along with accessories in surface/recess including cutting the wall and making good the same in case of recessed conduit as required.		-	-	-
a)	20 mm	mtr	52.00	100.00	5,200.00
19	Earthing with GI earth pipe 4.5 meter long,40mm dia incluiding accessories and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc with charcoal/coke and salt as required	Nos.	5,809.32	1.00	5,809.32
20	Providing and fixing 25 mm X 5mm GI strip on surface or in recess for connection etc as required.	Mtr	129.00	5.00	645.00
21	Providing and fixing 6 SWG GI wire on surface or in recess for loop earthing along with surface/recessed MS Conduit/submain wiring/cables etc as required.	Mtr	37.00	5.00	185.00
	Total Electrical Amount				4,16,847.67
	Total Electrical Amount				4,10,047.07
4	FIRE FIGHTING SYSTEM				
1	Supplying installation testing and commissioning of ABC type fire extinguishers of 6 kg capacity confirming to IS:14609 & ABC powder confirming IS:13849 presurized with Nitrozen Gas marked.including cost of all material & labour for all floors & service building etc. all complete. Make-KANEX/FIRE SHILD /SAFEX or equivalent	Nos	3,264.00	2.00	6,528.00
2	Supplying, installation, testing and commissioning of CO_2 type Fire Extinguisher 4.5 kg capacity confirming to IS: 2878 made from ISI marked seamless cylinder confirming to IS: 7285, fitted with ISI marked controlled valve confirming to IS: 3224, high pressure 1mtr discharge hose & horn complete with initial gas charged with carrying handle & wall mounting bracket for all floors & service building etc. as per direction of Engineer-in-charge.Make-KANEX/FIRE SHILD /SAFEX or equivalentor equivalent	Nos	7,700.00	2.00	15,400.00
3	Mechanical Foam type 9 litre capacity Fire Extinguisher, ISI marked, IS: 10204, containing 540 ml AFFF liquid ISI marked, IS: 4989 Part II and a polyurethane coated CO2 Gas Cartridge, ISI marked, IS: 4947 complete with gunmetal union cap, nylon hose with plastic foam making branch and wall mounting bracket as per direction of Engineer-in-charge	Each	3,659.00	2.00	7,318.00

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
4	Sand Buket as per IS Specicification	Each	500.00	3.00	1,500.00
	Buket Stand to Store 10 nos of Buket also having Aluminium sheet above the to prevent the stand from rain/sunst.	Nos	2,820.00	1.00	2,820.00
	Total Fire Fighting Amount				33,566.00

TENDER FOR CONSTRUCTION OF MULTI-PURPOSE CENTRE (MPC) AT VARIOUS LOCATIONS FOR DISTRICT OF RAYAGADA, ODISHA (2nd Call)

NIT No: PCO/BBSR/980/200 Date- 26.09.2024

CONSTRUCTION OF MULTI-PURPOSE CENTRE (MPC) AT MUNDA, MUNIKHOL, MUNIGUDA IN THE DISTRICT OF RAYAGADA

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
	Architectural Consultancy Services	Lot	54484.31	1	54484.31
	Sub Total				54484.31
1	CIVIL WORKS				
A	EARTH WORK				
	Earth work in stoney earth and gravels mixed with stone				
	and boulder not exceeding 0.014 cum in volume within 50m				
	initial lead and 1.5m initial lift including rough dressing and				
1	breaking clods to maximum 5cm to 7cm and laying in layer				
	not exceeding 0.3m in depth and as per specification				
	approved by the dept.				
i	Ordinary Soil	CuM	210.97	200.50	42,299.49
ii	Soft Rock	CuM	329.01	51.15	16,828.86
iii	Hard Rock Supplying & Filling foundation trenches , plinth & ditches	CuM	2,726.10	2.56	6,978.82
	with clean course river sand well watered and rammed in				
	layers not exceeding 23 c.m. in depth with all lead and lift				1,64,206.72
	including cost, conveyance, loading, unloading,	CuM		193.64	
2	stacking, royalties and all taxes of sand, cost & conveyance of		848.00		
	water, cost of all Labour, labour cess, T&P required for the				
	work etc. complete in all respect as directed by the				
	Finaineer- in -charge				
	Back filling available excavated earth (excluding rock) in				
	trenches, plinth, sides of foundations etc. in layers not				
3	exceeding 20 cm in depth, consolidating each deposited	CuM	117.20	34.20	4,008.24
	layer by ramming and watering, lead upto 50 m and lift upto				
	1.5m.				
	Making plinth protection 150 mm thick of cement concrete				
	1:3:6 (1 cement: 3 coarse sand: 6 graded stone aggregate				
4	20 mm nominal size) over 75mm thick bed of dry brick		-	-	-
	ballast 40 mm nominal size, well rammed and consolidated				
	and grouted with fine sand, including finishing the top				
	smooth	SqM	2,397.30	51.75	1,24,060.28
В	PLAIN & REINFORCEMENT CONCRETE		-	-	-
	Providing and laying P.C.C[1:4:8] using 4cm size metal etc				
	in foundation and floors using cement , 40 mm size crusher				
	broken H.G.Metal and screened and washed sharp river sand				
1	for mortar of approved quality and from approved quarry	CuM	5,029.90	34.35	1,72,777.07
	including hoisting ,lowering and laying concrete to the				
	required level, ramming ,watering and curing etc				
	Providing and laying in position ready mixed M25 grade				
	concrete having compressive strength at 28 days test not				
2	lessthan 250kg/sq.cm for reinforced cement concrete work		_	_	_
	using cement content as per approved design mix etc		-	-	-
	including Rigid & smooth centering and shuttering.				
	melading Rigid & smooth centering and shuttering.				

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
α	For R.C.C foundation, footing bases of column, mass concrete,pre-cast etc.	CuM	6,378.95	68.94	4,39,764.81
b	For R.C.C plinth band etc.	CuM	7,200.40	11.99	86,332.80
С	R.C.C Beam & Coloum		-	-	-
i	Ground Floor	CuM	14,202.90	26.87	3,81,631.92
d	Lintel		-	-	-
i	Ground Floor	CuM	13,481.90	3.38	45,568.82
f	Chaja		-	-	-
i	Ground Floor	Sqm	1,121.27	12.15	13,623.43
9	Roof slab, Landing, Balcony,		-	-	-
i	Ground Floor	CuM	12,795.90	27.43	3,50,991.54
	Cutting ,Straightening coiled or bend up HYSD/TMT				
3	Reinforcement bars welding or jointing if necessary ,				
3	bending ,tying the grills as required for R.C.C works		_	-	_
	etcwinding wire extra				
α	Foundation	Qntl	8,861.00	45.93	4,06,985.73
b	Ground floor	Qntl	8,861.00	72.87	6,45,701.07
С	BRICK WORK		-	-	-
1	Fly Ash Brick Masonry in cement mortar of mix (1:6) using Fly Ash bricks of size 25c.m × 11 c.m × 8 c.m in Foundation & Plinth having crushing strength not less than 75 kg per square c.m. with cement and screened & washed sharp sand for mortar after immersing the bricks for 6 (Six) hours in water before use in works with all necessary projections, splays cutting, circular moulding, corbelling, chamfering, watering and curing etc. including cost, coveyance, stacking, loading, unloading, royalties, all taxes, cost of all labour, Labour cess, scaffolding, sundries and T&P required for the works etc. complete in all respect as directed by the Engineer-in-charge.		-	-	-
	Foundation and Plinth	CuM	5,145.00	19.46	1,00,121.70
2	Fly Ash Brick Masonry in cement mortar of mix (1:6) using Fly Ash bricks of size 25c.m x 11 c.m x 8 c.m in superstructure having crushing strength not less than 75 kg per square c.m. with cement and screened & washed sharp sand for mortar after immersing the bricks for 6 (Six) hours in water before use in works with all necessary projections, splays cutting, circular moulding, corbelling, chamfering, watering and curing etc. including cost, coveyance,stacking, loading, unloading, royalties, all taxes ,cost of all labour,Labour cess ,scaffolding, sundries and T&P required for the works etc. complete in all respect as directed by the Engineer-in-charge.		-	-	-
α	Ground Floor	CuM	5,178.00	66.30	3,43,301.40
3	Fly Ash Brick masonry in cement mortar of mix [1:4] using Fly Ash bricks of size 25cm12cmx8cm in superstructure having crushing strength not less than 75 kg		-	-	-
	/m2 etc[Half Brick work]				
α	Ground Floor	CuM	5,458.00	1.05	5,730.90
_			-	-	-
D	PLASTERING & PAINTING		-	-	-

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
1	Providing 12mm. Thick cement plaster in cement mortar or mix(1:6) in all floors at all height with cement & screened and washed sharp river sand for mortar and finished smooth to the rough surface of the brick masonary walls after racking out the joints (alongwith providing grooves wherever necessary) including watering and curing, rounding of corners etc. complete with cost, conveyance, loading, unloading, royalities and taxes of all materials, cost of all labour, T&P, sundries and scaffolding required for the work etc. as directed by the Engineer-in- charge.		-	-	-
α	Ground floor	SqM	152.30	347.49	52,922.73
2	Providing 16mm. Thick cement plaster in cement mortar or mix(1:6) in all floors at all height with cement & screened and washed sharp river sand for mortar and finished smooth to the rough surface of the brick masonary walls after racking out the joints (alongwith providing grooves wherever necessary)including watering and curing, rounding of corners etc. complete with cost, conveyance, loading, unloading, royalities and taxes of all materials, cost of all labour, T&P, sundries and scaffolding required for the work etc. as directed by the Engineer-in- charge.		-	-	-
α	Ground floor	SqM	217.90	368.30	80,252.57
3	Finishing wall surface of wall with cement based wall putty [water based] of approved make and finished smooth and even surface to receive painting including cost etc		-	-	-
α	Ground Floor	SqM	81.61	924.15	75,419.88
4	Providing and applying 2 coats with 100% acrylic emulsion paint on New surface including one coat of primer (exterior quality) of approved make & shade by reputed manufacturer to make an even finished surface over a coat of primer with water bound cement primer in all heights with all scaffolding and staging charges including cost, conveyance, taxes of all materials, cost of all labours, T&P, sundries etc. as required for the work complete.		-	-	-
α	Ground floor	SqM	150.10	368.30	55,281.83
5	Supplying and painting of internal walls and ceiling with two or more coats of ACRYLIC emulsion paint on New surface which includes a coat of primer all complete. The shade and brand to be of approved brand & shade over the surfaces including preparation of surface, with cost of all materials, labour, conveyance taxes of all materials,scaffolding etc., as per the direction of the Engineer-in-charge.		-	-	-
α	Ground floor	SqM	149.30	555.86	82,989.90

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount .
6	Painting with synthetic enamel paint over a coat of primer of approved colour, shade and brand on New wood work /steel work in two or more coats as required to give an even shade including an under coat of suitable primer of approved brand and manufacturer including cost of all materials with taxes and transportation, loading, unloading, scaffolding, all labour, Labour cess, sundries, T&P, etc. complete as per the direction of the Engineer-in-charge including filling gaps with putties, scrapping, sand papering and cleaning the surface to make free from rusts, dusts and oily substances before applying primer etc. complete.		,	-	-
α	Ground floor	sqm	216.80	25.20	5,463.36
Е	FLOORING		-	-	-
1	A. S flooring under layer of 25mm thick C.C. (1:2:4) with 12mm ize granite chips and top layer of 6mm thick plaster cement red oxide mix using 3.5kg or red oxide per 50 kg of cement 1:3 finished with a floating coat of cement and Red oxide mix of same proportion.		-	-	-
α	Ground floor	SqM	428.00	162.84	69,695.52
2	12mm thick cement plaster in CM(1:4) with cement punning for skirting & Dados including all cost. complete with cost, conveyance, royality of all materials and labour with T&P required for the work with royalities, taxes etc.complete in all floors as per direction of Engineer-in-charge.	SqM	174.10	20.57	3,581.24
F	DOOR & WINDOW		-	-	-
1	Providing and fixing unplasticised poly vinyl chloride (UPVC) door in cluding all fittings and cost, conveyance of all materials, labours and T&P required for the work etc, all complete as per direction of engineer in charge.	Sqm	8,963.00	3.15	28,233.45
2	Providing and fixing 30 mm thick factory made single extruded WPC (Wood polymer composite) solid plain flush door shutter of required size fixing with stainless steel butt hinges of required size with necessary full body threaded star headed counter sunk S.S screws, all complete as per direction of engineer in charge.	Sqm	4,424.00	15.75	69,678.00
3	Supplying, fitting, fixing up window (sliding type) made up aluminum Section 9778 as windows frame, section No. 4095, 4096 and 9777, 3994 as shutter frame with rubber beading including locking arrangement including all fitting including cost of materials all taxes labour, T&P etc. complete as per direction of Engineer-in-charge. including cost of frosted glass & SS mosquito net.	Sqm	7,648.40	24.30	1,85,856.12
G	STEEL WORK		-	-	-
			-	-	-

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
1	Supplying, titting and fixing of M.S grills, grill gates with top and bottom rails, (as per I.S. specification and as per approved drawings) in proper position in all floors and at all height including making holes to brick walls/ R.C.C structure/wood work etc. and making good to the damaged walls/ structures with cement concrete (1:2:4) with black hard crusher broken granite stone chips of 12mm to 20mm size (20mm size not to exceeds 25%) including watering and curing including cost, conveyance, loading, unloading, stacking, royalties and taxes of all materials, cost of all Labour, Labour cess, Sundries, T&P required for the work etc.complete as per the direction of Engineer in charge (W.I. / M.S. windows grills, grill gates, collapsible gates with top and bottom rails, steel windows, steel doors, steel frames for doors and windows, staircase and parapet railings square bar along with required nos. of nails and screws and other required materials of approved quality and approved size shall be supplied by the contractor at his own	KG	89.50	864.00	77,328.00
2	Supplying, fitting and fixing of Stainless steel of 304 grade in hand railing using 50mm dia of 2mm thick circular pipe with balustrade of size 32mmx32mmx2mm @ 0.90mtr.C/C and stainless square pipe bracing of size 32mmx32mmx2mm in 3 rows in stair case as per approved design and specification ,buffing, polishing etc with cost,conveyance,taxes of all materials, labour, T & P etc. reauird for the complete in all respect.	Rmt	3,524.00	22.50	79,290.00
			-	-	-
1	Grading plaster 2.5 cm thick grading Plaster (1:4) on roof slab with 6mm size HG chips including all cost, conveyance, royalty & taxes etc.comp.to work site for new work as per the specification approved by the department & direction of E.I.C	sqm	387.30	215.00	- 83,269.50
					42 22 4== ==
	TOTAL CIVIL WORK				43,00,175.70
2	PLUMBING AND SANITARY WORK				
	INTERNAL PH WORKS				
1	Supplying all materials, labour and T&P for fitting and fixing white glazed vitreous china porcelain Indian Pan water closet of size 23" of approved make confirming to IS-2556 and top inlet for sinking into floor with 100mm PVC 'P' trap etc. including supply of necessary cement concrete for fitting the closet etc. complete in all respect in all floors including cost, conveyance and taxes of all materials etc. complete and as per PH specification and direction of Engineer-in-charge.	Nos	5,606.09	2,00	11,212.18

Item No/5.No	Description of work	Unit	Rate	Quantity	Amount
2	Supplying all materials, labour and T&P for fitting and fixing white glazed vitreous china porcelain flat back urinal pan of approved make confirming to IS-2556 and top inlet for sinking into floor with 100mm PVC 'P' trap etc. including supply of necessary cement concrete for fitting the closet etc. complete in all respect in all floors including cost, conveyance and taxes of all materials etc. complete and as per PH specification and direction of Engineer-in-charge including marble partition in between urinals.		-	-	-
		Nos	12,288.40	2.00	24,576.80
3	Supplying all materials, labour, T&P and fixing standard sized shower (bath shower) of approved make etc complete including cutting the wall and making good the damages, including cost of all materials complete as per PH specification and direction of Engineering-in- charge.		-	-	-
		Nos	993.00	2.00	1,986.00
4	Supplying all materials, labour and T&P for fitting and fixing white glazed vitreous china porcelain wash basin of size 450mm x 300mm of approved make confirming to IS-2556 and top inlet for sinking into floor with 100mm PVC 'P' trap etc. including supply of necessary cement concrete for fitting the closet etc. complete in all respect in all floors including cost, conveyance and taxes of all materials etc. complete and as per PH specification and direction of Engineer-in- charge.		-	-	-
		Nos	9,150.40	4.00	36,601.60
5	Supplying all materials, labour, T&P and fixing standard sized CP Bib cock of approved make etc complete including cutting the wall and making good the damages, including cost of all materials complete as per PH specification and direction of Engineering-in-charge.		-	-	-
		Nos	1,873.00	4.00	7,492.00
6	Supplying all materials, labour, T&P and fixing standard sized 15mm dia Angular Stop cock of approved make etc complete including cutting the wall and making good the damages, including cost of all materials complete as per PH specification and direction of Engineering-in- charge.		-	-	-
		Nos	1,158.40	4.00	4,633.60
7	Supplying all materials, labour, T&P and fixing standard 15mm sized pillar cock of approved make etc complete including cutting the wall and making good the damages, including cost of all materials complete as per PH specification and direction of Engineering-in-charge.		-	-	-
		Nos	1,626.00	4.00	6,504.00
8	Supplying all materials, labour, T&P and fixing standard sized Long body 15mm dia CP Bib cock of approved make etc complete including cutting the wall and making good the damages, including cost of all materials complete as per PH specification and direction of Engineering-in- charge.	Nos	2,107.00	4.00	8,428.00
			-	•	-

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
9	Supplying all materials, labour, T&P and fixing standard sized two way CP Bib cock of approved make etc complete including cutting the wall and making good the damages, including cost of all materials complete as per PH specification and direction of Engineering-in- charge.	Nos	1,873.40	2.00	3,746.80
10	Supplying all materials, labour, T&P and fixing standard sized shower (Health Faucet) of approved make etc complete including cutting the wall and making good the damages, including cost of all materials complete as per PH specification and direction of Engineering-in- charge.	Nos	993.00	2.00	1,986.00
11	Supplying all materials, labour, T&P and fixing standard sized Chromium Plated brass towel rail complete with Chromium Plated brass brackets fixed to wooden plugs with Chromium Plated brass screws as per specification and direction of the Engineer in charge		-	-	-
12	Fixing 600x450mm bevelled edge mirror of superior glass mounted on 6mm thick A.C sheet or plywood sheet and fixed to wooden plugs with Chromium Plated brass screws and washers complete as per specification and direction of	Nos	1,369.70	2.00	2,739.40
	the Engineer in charge	NOS	1,841.80	4.00	7,367.20
13	Supplying all materials, labour, T&P and fittings and fixing of Poly Propelene white double layer water storage Tank of approved make confirming to IS 12701-1996 including cutting holes through the tank and fixing mild steel tubes and fittings and providing extra sockets and jam nuts, fixing ball valve etc including hoisting upto terrace level and placing the tank to the required position etc all complete as per PH specification and direction of Engineer-in-charge. (To provided with brick masonary guard walls which will be paid separately)		- -	-	-
α	2000 ltr	Nos	25,364.70	1.00	25,364.70
14	Supplying all materials, labours, T&P and fitting and fixing of the following size of CPVC pipe confirming to IS 15778 certification mark with socket and screw joints in walls and floors including supplying of required number of fittings of approved make including cutting threads to pipes and pipes to length, including wastage,etc for fitting to the walls with supply of holder ats, clamps, fixing wooden plugs in walls, including testing of pipe line for water tightness complete as per IS specification including cost, conveyance and taxes of all materials all complete as per PH specification and direction of Engineer-in-charge.		<u>-</u>	-	-
α	25 mm dia	R.mtr	368.50	20.00	7,370.00
Ь	32 mm dia	R.mtr	563.20	20.00	11,264.00
15	40mm dia Providing all materials, labour, Fitting & fixing of CPVC Ball	R.mtr	732.10	20.00	14,642.00
	Valve with CTS socket. Make : Prince) 25mm Dia	Nos	842.00	1.00	842.00

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
Ь	32mm Dia	Nos	1,589.00	1.00	1,589.00
С	40mm dia	Nos	2,391.00	1.00	2,391.00
	Supplying all materials,labours,T&P for cutting holes				
	through existing brickwork including making good the				
16	damages in cement mortar (1:4) for taking GI pipes and		-	-	-
	fittings/PVC pipes and fittings etc all complete as per PH				
	specification and direction of Engineer-in-charge.	Nos	55.80	2.00	111.60
	Supplying all materials,labours,T&P for cutting holes	1403	33.00	2.00	111,00
	through existing RCC floors & roofs including making good				
17	the damages for taking GI pipes and fittings/PVC pipes and		-	-	-
	fittings etc all complete as per PH specification and				
	direction of Engineer-in-charge.				
		Nos	167.40	2.00	334.80
	Supplyng all materials, labour, T&P for construction of brick				
	masonary Gulley trap chamber of size300mm x 300mm				
	with CI gulley trap, by Fly ash brick masonry in CM (1:4), CP				
	(1:6) with 150mm x 150mm CI grating including labour and				
18	materials for fitting and fixing 100mm dia square mouth CI gully trap with supply of all jointing materials and encasing		_		_
10	the gully trap with a block of CC (1:4:8) with 25mm size hard		-	_	_
	stone metal all complete with providing and fixing of 250mm				
	× 250mm precast RCC cover slab including cost, conveyance,				
	taxes of all materials to site complete as per the PH				
	specification and direction of Engineer-in-charge.				
		Nos	3,588.00	2.00	7,176.00
	Providing all materials labour, T&P for making grooves in				
	bricks/stone masonary walls vertically or horizontally up				
	to required depth and width in all floor for laying of pipes				
	and fittings up to 50mm dia, testing the joints with required				
19	water pressure and making good the damages with cement		0.00	0.00	_
•	concrete 1:2:4 with 12mm size h.g.c.b.chips and finished		0.00	0.00	
	smooth with cement morter (1:4) to original shape including				
	cost of all materials, curing, conveyance of all materials etc.				
	all complete excluding GST as per specification & direction				
	of Engineer-in-charge.		242.22		
II	External DLI	Rmt	249.20	20.00	4,984.00
11	External PH		-	-	-
	Supplying all materials, labours, T&P and fitting and fixing				
	of the following size of CPVC pipe confirming to IS 15778				
	certification mark with socket and screw joints in walls and				
	floors including supplying of required number of fittings of				
20	approved make including cutting threads to pipes and pipes				
20	to length, including wastage,etc for fitting to the walls with supply of holder ats, clamps, fixing wooden plugs in walls,		_	-	-
	including testing of pipe line for water tightness complete				
	as per IS specification including cost, conveyance and taxes				
	of all materials all complete as per PH specification and				
	direction of Engineer-in-charge.				
		. .	4.550.45	40.05	44 50 / 00
α	50mm dia	Rmt	1,153.60	10.00	11,536.00

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
21	Supplying all materials & labour, T&P and constructing brick masonary chamber for water sluice valve, single air valve & non return valve with Fly ash brick masonary in cement mortar (1:4) as per approved drawing and specification CC (1:4:8) with 4cm size hard granite metal on the bed, 12mm cement plaster (1:6) to inside and cement flush pointing (1:6) to outside surface with 100mm thick RCC M20 cover slab with 20mm hg chips using required quantity of tor steel, centring and shuttering to the slab and dismantling it after 31 days of casting, filling the outside cavity with excavated materials, watering, curing including cost, conveyance, taxes of all materials, labour charges for cutting, bending, binding and tying the grills in proper position etc all complete as per drawing, design and direction of Engineer-in- charge.		-	-	-
a	Chamber (0.75x0.75x0.7mtr)	Nos	9,751.00	1.00	9,751.00
	Emphase all materials labour 170 and tables and		-	-	
22	Supplying all materials, labour, 1&P and fitting and fixing of double air valve of 50mm Dia confirming to the relevant IS specification and dimension including fixing it in position along the pipeline with supply of all required materials such as rubber insertion, nuts & bolts including cost of all materials, taxes, and duties, transportation charges from store to site etc all complete as per the direction of Engineer-in-charge		-	-	-
		Nos	4,111.90	1.00	4,111.90
23	Supply, installation, testing and commisioning of automatic star delta control panel suitable for 2 HP pumpset including MS box fitted with main switch ,contactor, single phasing preventer, timer, selector switch, voltmetre, ammeter etc and connection with motor inside the sump with suitable cable etc complete as per the Direction of Engineer-incharge. (Excluding power supply)(MR)		-	-	-
		Set	14,500.00	1.00	14,500.00
24	Septic Tank Earth work in excavation in Hard rock by mechanical means (Hydraullic excavator)/ manual means overareas (exceeding 30 cm in depth, 1.5 m in width as well as 10sqm on plan) inculding disposal of excavated earth up to 50 m and lift upto 1.5m with all lead and lift including shoring, shuttering & dewatering (if required) with cost of all Labour, Labour cess, Hire & Running charges of the water pumps, T & P required for the work complete as directed by the Engineer- in-charge Earth work excavation beyond 1.50mtr depth	CuM	210.97	- 6,00	1,265,82
_ u		CUN	210.97	6.00	1,200.02
25	Supplying and filling the Foundation & Plinth with clean coarse river sand of approved quality from approved quarry, laying in layers not exceeding 150mm thick, watering and ramming including cost, conveyance, royalty and taxes of all materials, cost of all labour, T&P etc. as required for the work complete as per direction of the Engineer-in-charge.		-	-	-
		CuM	848.00	2.73	2,315.04

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
26	Providing & laying cement concrete of prop. (1:4:8) in foundation bed and floors using 40mm nominal size down graded, screened, washed hard black crusher broken granite metal of approved quality & from approved quarry including laying in the layers not exceeding 100 mm thick, etc	CuM	5,029.90	0.75	3,772.43
27	Providing and laying in position ready mixed M25 grade concrete having compressive strength at 28 days test not lessthan 250kg/sq.cm for reinforced cement concrete work using cement content as per approved design mix etc		-	-	-
α	Foundation	CuM	6,378.95	1.00	6,378.95
ь	RCC Wall	CuM	7,200.40	2.03	14,616.81
С	Slab	CuM	12,795.90	1.00	12,795.90
28	Cutting,straightening coiled or bent up HYSD/TMT Reinfocement Bars welding or jointing if necessary ,bending, binding,tying the grills as etc	Qntl	8,861.00	3.60	31,899.60
29	Providing 12mm. thick cement plaster with cement mortar of mix (1:4) in all floors cement and with screened and washed sharp sand for mortar with neat cement punning finished smooth to brick/RCC walls after racking out the joints including watering and curing complete with cost, etc		-	-	•
		SqM	152.30	12.18	1,855.01
30	Providing and laying of P.C.C. of 1:3:6 with 12 mm size hard granite metal in foundation trenches, under floors in line level including curing and ramming etc. all complete as per the direction of the Engineer-in-charge		0	0	-
		Sqm	6,137.00	0.34	2,086.58
31	Finishing walls with water proofing cement paint of approved shade on new work Two coat to give an even shade	•	-	-	-
		Sqm	37.90	12.18	461.62
32	Back filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20 cm in depth, consolidating each deposited layer by ramming and watering, lead upto 50 m and lift upto 1.5m.		-	-	-
		CuM	117.20	5.55	650.46
	Soak Pit		-	-	-
33	Supplying and filling the Foundation & Plinth with clean coarse river sand of approved quality from approved quarry, laying in layers not exceeding 150mm thick, watering and ramming including cost, conveyance, royalty and taxes of all materials, cost of all labour, T&P etc. as required for the work complete as per direction of the Engineer-in-charge.		-	-	-
		CuM	848.00	1.00	848.00
34	Providing & laying cement concrete of prop. (1:4:8) in foundation bed and floors using 40mm nominal size down graded, screened, washed hard black crusher broken granite metal of approved quality & from approved quarry including laying in the layers not exceeding 100 mm thick, etc	CuM	5,029.90	0.62	3,118.54

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
35	Providing and laying in position ready mixed M25 grade concrete having compressive strength at 28 days test not lessthan 250kg/sq.cm for reinforced cement concrete work using cement content as per approved design mix etc		-	-	-
α	Foundation	CuM	6,378.95	0.32	2,041.26
36	Providing 12mm. thick cement plaster with cement mortar of mix (1:4) in all floors cement and with screened and washed sharp sand for mortar with neat cement punning finished smooth to brick/RCC walls after racking out the joints including watering and curing complete with cost, etc		-	-	-
		SqM	270.80	1.36	368.29
37	Providing and laying of P.C.C. of 1:3:6 with 12 mm size hard granite metal in foundation trenches, under floors in line level including curing and ramming etc. all complete as per the direction of the Engineer-in-charge		0	0	-
		Sqm	8,289.00	0.62	5,139.18
38	Fly Ash Brick Masonry in cement mortar of mix (1:6) using Fly Ash bricks of size 25c.m x 12 c.m x 8 c.m in Foundation & Plinth having crushing strength not less than 75 kg per square c.m. with cement and screened & washed sharp sand for mortar after immersing the bricks for 6 (Six) hours in water before use in works with all necessary projections, splays cutting, circular moulding, corbelling, chamfering, watering and curing etc. including cost, coveyance, stacking, loading, unloading, royalties, all taxes, cost of all labour, Labour cess, scaffolding, sundries and T&P required for the works etc. complete in all respect as directed by the Engineer-in-charge.		-	-	-
		CuM	5,449.00	6.37	34,710.13
39	Supplying all materials, labour, T&P, fitting and fixing uPVC SWR pipes (Type-B)(Co-moulded Ring type) of approved make confirming to IS-13592/1992with ISI marked, both below & above ground level or fixing on wall surface in all floors including transportation & scaffolding etc. all complete as per specification excluding GST & direction of the Engineer-in-charge.		0	0	-
α	Pipe 110mm dia	R.Mtr	828.11	30.00	24,843.30
Ь	110mm×110mm 'P' Trap (Make: Astral)	nos	494.00	2.00	988.00
С	110mm dia single 'Y' withoutdoor	nos	479.00	2.00	958.00
d	110mm WC connector/Bend with lip ring	nos	360.00	2.00	720.00
e	110mm Socket plug	nos	180.00	2.00	360.00
f 40	Upvc Elbow Sinking of 200 mm x150mm size production well through DTH or combination drilling riges in hard rock area with PVC	nos L.S	786.00 2,00,000.00	1.00	2,00,000.00
	or GI casing pipes. 120mtr depth (1nos)	2.0	_,_0,000.30	2,30	=,00,000.0

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
41	in flooring using special plain / printed series Ceramic Floor Tiles in flooring using special plain / printed series Ceramic Floor Tile of premium grade (having minimum thickness 7 mm to 8 mm & size 300 mm × 300 mm OR 600 mm ×600 mm, confirming to I.S 13755 of approved quality and shade in floors, treads on steps and landings on 25 m.m thick bed of cement mortar of mix (1:1) laid in proper slope and gradient with screened &		-	-	-
	washed sharp etc Ground floor	SqM	1,153.90	17.88	20,631.73
42	Supplying, fitting and fixing of ceramic glazed wall Tiles in skirting dado, risers of step and wall using special plain / printed series Ceramic wall Tile of premium grade (having minimum thickness 6.5 mm to 6.7 mm & size 300 mm x 300 mm OR 600mm x300 mm,		-	-	-
	Ground floor	SqM	1,317.60	68.46	90,202.90
	TOTAL of internal PH WORK[I]				6,97,841.13
3	ELECTRICAL WORK				
	COLOTICO NOTICE				
1	Wiring for light point/ fan/ exhaust fan point/ call bell point with 1.5 sqmm FRLS PVC insulated copper conductor single core cable in surface / recessed 2 mm thick PVC conduit with modular switch and earthing the point with 1.5 sqmm FRLS PVC insulated copper conductor single core cable including providing modular box with cover of requisite number of modules including providing cover plates as required. Make Conduit:Norepack/Precision/AKG Wire-KEI/Havells/Finolex Switch/socket-Legrand				
a)	Single light point controlled by one 6A switch or first light	Each	785.00	20.00	15,700.00
b)	point of group control. Subsequent point of group control	Each	515.00	4.00	2,060,00
2	Supplying and fixing two module steeped type electronic fan regulator with proper modular plate switch box including connections etc. as required. Switch/socket-Legrand (myrius)/Panasonic(vision)/schneider(zencelo)	Nos.	653.00	2.00	1,306.00
3	Supplying and fixing 6 Amp plug with 6 Amp switch (Modular Type) on existing board.	Nos.	356.00	8.00	2,848.00
4	Supplying and fixing including testing and commissioning of 6A modular socket outlet with 6 Amp switch including providing GI modular box with faceplate etc as required.		-	-	-
a)	1 nos 6 Amp 3-pin socket with 6 Amp switch.	Nos.	512.00	8.00	4,096.00
5	2 nos 6 Amp 3-pin socket with 2 nos 6 Amp switch. Supply, installation, testing & commissioning of 6 / 16 Amp Plug Boards consisting of a 16 Amp clip-in type modular switch with indicator and a 6/16 Amp clip-in type modular socket fixed on metallic concealed box including interconnections and making good the damages caused complete as required and as per direction of Engineer-in- charge	Nos.	909.00 652.00	8.00	5,454.00 5,216.00

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
6	Supplying, installation, testing & commissioning of 25 amp modular socket outlet on surface or in recess, on 1 Nos two module GI box with plate for socket point and one nos two module GI Box with face plate for switch etc. complete as direction of Engineer-in-charge. As per Crabtree(cat no-ACT0202504) or equivalent of Legrand/Schneider.	Each	1,330.15	4.00	5,320.60
7	Wiring for circuit/ submain wiring along with earth wire of following size of FRLS heavy gauge PVC insulated copper conductor single core cable in heavy duty PVC conduit laid in surface/ recess as required.		-	-	-
a)	2X2.5 + 1X2.5 sqmm FRLS Cu wire (for Light circuit wiring)	mtr	233.05	75.00	17,478.75
b)	double core 4 sq mm. copper wire for phase and neutral	mtr	386.00	20.00	7,720.00
c)	double core 6 sq mm. copper wire for phase and neutral	mtr	452.05	20.00	9,041.00
8	Supply, delivery and fixing of Ceiling fan hook box made out of 18 swg GI sheet and containing 10 mm dia round ms bar projecting atleast 150mm on either side & duly bent to accommodate ceiling fan down rod bolt & having earthing arrangement as per direction of Engineer-in-charge.	Nos.	150.00	10.00	1,500.00
9	36Watt LED Light fitting (3300 Lumen) for PHILIPS .(CAT No:RC365B LED33- 6500 PSU OD WH)/ Equivalent of Halonix/Panasonic/crompton as required	Each	3,983.00	10.00	39,830.00
10	20Watt LED Surface/suspended Battern Linear Luminaire (2000 Lumen) PHILIPS (CAT No:WT150C LED205-6500 PSE OD GR) / Equivalent of Halonix/Panasonic/crompton	Each	1,753.00	10.00	17,530.00
11	6Watt LED Light fitting (600 Lumen) PHILIPS (CAT No:DN191B LED6S-6500 PSU WH S1) / Equivalent ofHalonix/Panasonic/crompton	Each	1,231.00	4.00	4,924.00
12	Supplying, installation, testing and commissioning of ceiling fan (5 star rating) including wiring the down rod, earthing etc as required (Make: Bajaj/Usha/ Crompton/ Orient/ Khaitan/ Havells).		-	-	-
(a)	1200 mm sweep	Nos.	2,656.00	10.00	26,560.00
13	Supplying, installation, testing and commissioning of Exhaust fan / fresh air fan with louvre (Make -Bajaj/Usha/Crompton/Orient/Khaitan/Havells) as required.		-	-	-
a)	225 mm sweep fibre body fresh air fan	Nos.	1,753.00	2.00	3,506.00
14	Supplying, installation, testing and commissioning of Split Air Conditioner (Make -DAIKINI/VOLTAS/ BLUE STAR/as required.	Nos.	55,000.00	4.00	2,20,000.00
15	Supplying and fixing following way, TP and neutral, sheet steel, MCB distribution board, IP-43,IK09 with metal door ,415 V, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCBOs/ISOLATORS) Make-Legrand(Ekinoxe3/siemens(Betaguard)/Schneider Acti9		-	-	-
a)	6 way, Double door	Nos.	4,631.00	2.00	9,262.00

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
16	Supplying and fixing following way, single pole and neutral, sheet steel, MCB distribution board, IP-43, IK-09, 240 V, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCBOs/ISOLATORS)		-	-	-
a)	12 way, Double door	Each	2,523.00	2.00	5,046.00
17	Supplying and fixing following rating RCBOs/ MCBs in the existing DB complete with connections, testing and commissioning etc. as required Make-Legrand/L&T/ABB		-	-	
c)	6 Amp to 32 Amp, 10 KA SP MCB (C-Curve)	Each	305.00	2.00	610.00
18	Supplying and fixing of following sizes of heavy gauge PVC conduit along with accessories in surface/recess including cutting the wall and making good the same in case of recessed conduit as required.		-	-	
a)	20 mm	mtr	52.00	100.00	5,200.00
19	Earthing with GI earth pipe 4.5 meter long,40mm dia incluiding accessories and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc with charcoal/coke and salt as required	Nos.	5,809.32	1.00	5,809.32
20	Providing and fixing 25 mm X 5mm GI strip on surface or in recess for connection etc as required.	Mtr	129.00	5.00	645.00
21	Providing and fixing 6 SWG GI wire on surface or in recess for loop earthing along with surface/recessed MS Conduit/submain wiring/cables etc as required.	Mtr	37.00	5.00	185.00
	Total Electrical Amount				4,16,847.67
	Total Electrical Amount				4,10,047.07
4	FIRE FIGHTING SYSTEM				
1	Supplying installation testing and commissioning of ABC type fire extinguishers of 6 kg capacity confirming to IS:14609 & ABC powder confirming IS:13849 presurized with Nitrozen Gas marked.including cost of all material & labour for all floors & service building etc. all complete. Make-KANEX/FIRE SHILD /SAFEX or equivalent	Nos	3,264.00	2.00	6,528.00
2	Supplying, installation, testing and commissioning of CO_2 type Fire Extinguisher 4.5 kg capacity confirming to IS: 2878 made from ISI marked seamless cylinder confirming to IS: 7285, fitted with ISI marked controlled valve confirming to IS: 3224, high pressure 1mtr discharge hose & horn complete with initial gas charged with carrying handle & wall mounting bracket for all floors & service building etc. as per direction of Engineer-in-charge.Make-KANEX/FIRE SHILD /SAFEX or equivalentor equivalent	Nos	7,700.00	2.00	15,400.00
3	Mechanical Foam type 9 litre capacity Fire Extinguisher, ISI marked, IS: 10204, containing 540 ml AFFF liquid ISI marked, IS: 4989 Part II and a polyurethane coated CO2 Gas Cartridge, ISI marked, IS: 4947 complete with gunmetal union cap, nylon hose with plastic foam making branch and wall mounting bracket as per direction of Engineer-in-charge	Each	3,659.00	2,00	7,318.00

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
4	Sand Buket as per IS Specicification	Each	500.00	3.00	1,500.00
	Buket Stand to Store 10 nos of Buket also having Aluminium sheet above the to prevent the stand from rain/sunst.	Nos	2,820.00	1.00	2,820.00
	Total Fire Fighting Amount				33,566.00

TENDER FOR CONSTRUCTION OF MULTI-PURPOSE CENTRE (MPC) AT VARIOUS LOCATIONS FOR DISTRICT OF RAYAGADA, ODISHA (2nd Call)

NIT No: PCO/BBSR/980/200 Date- 26.09.2024

CONSTRUCTION OF MULTI-PURPOSE CENTRE (MPC) AT DHAMANPANGA, MUNIKHOL, MUNIGUDA IN THE DISTRICT OF RAYAGADA

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
	Architectural Consultancy Services	Lot	54476.79	1	54476.79
	Sub Total				54476.79
1	CIVIL WORKS				
Α	EARTH WORK				
	Earth work in stoney earth and gravels mixed with				
	stone and boulder not exceeding 0.014 cum in volume				
	within 50m initial lead and 1.5m initial lift including				
1	rough dressing and breaking clods to maximum 5cm to				
	7cm and laying in layer not exceeding 0.3m in depth and				
	as per specification approved by the dept.				
i	Ordinary Soil	CuM	210.97	200.23	42,242.52
ii	Soft Rock	CuM	329.01	51.15	16,828.86
iii	Hard Rock	CuM	2,726.10	2.56	6,978.82
	Supplying & Filling foundation trenches , plinth &		848.00	193.64	
	ditches with clean course river sand well watered and				
	rammed in layers not exceeding 23 c.m. in depth with all				
_	lead and lift including cost, conveyance, loading,	.			
2	unloading, stacking,royalties and all taxes of sand,cost	CuM			1,64,206.72
	& conveyance of water, cost of all Labour,labour				
	cess,T&P required for the work etc. complete in all				
	respect as directed by the Engineer- in -charge.				
	Back filling available excavated earth (excluding rock)				
	in trenches, plinth, sides of foundations etc. in layers				
3	not exceeding 20 cm in depth, consolidating each	CuM	117.20	34.20	4,008.24
	deposited layer by ramming and watering, lead upto 50				
	m and lift upto 1.5m				
	Making plinth protection 150 mm thick of cement				
	concrete 1:3:6 (1 cement: 3 coarse sand : 6 graded				
4	stone aggregate 20 mm nominal size) over 75mm thick		_	_	_
•	bed of dry brick ballast 40 mm nominal size, well				
	rammed and consolidated and grouted with fine sand,				
	including finishing the top smooth	Call	2 202 00	E1 75	1 22 022 50
В	PLAIN & REINFORCEMENT CONCRETE	SqM	2,392.90	51.75	1,23,832.58

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
	Providing and laying P.C.C[1:4:8] using 4cm size metal				
	etc in foundation and floors using cement , 40 mm size				
	crusher broken H.G.Metal and screened and washed				
1	sharp river sand for mortar of approved quality and	CuM	5,055.20	34.35	1,73,646.12
	from approved quarry including hoisting ,lowering and				
	laying concrete to the required level, ramming				
	,watering and curing etc				
	Providing and laying in position ready mixed M25 grade				
	concrete having compressive strength at 28 days test				
	not lessthan 250kg/sq.cm for reinforced cement				
2	concrete work using cement content as per approved		-	-	-
	design mix etc including Rigid & smooth centering and				
	shuttering.				
	For R.C.C foundation, footing bases of column, mass	C.AA	4 402 4 E	69.04	4 41 200 40
α	concrete, pre-cast etc.	CuM	6,402.65	68.94	4,41,398.69
b	For R.C.C plinth band etc.	CuM	7,224.10	11.99	86,616.96
С	R.C.C Beam & Coloum		-	-	-
i	Ground Floor	CuM	14,226.60	26.87	3,82,268.74
d	Lintel		-	-	-
i	Ground Floor	CuM	13,505.60	3.38	45,648.93
f	Chaja		-	-	-
i	Ground Floor	Sqm	1,122.75	12.15	13,641.41
9	Roof slab, Landing, Balcony,		-	_	-
i	Ground Floor Cutting ,Straightening coiled or bend up HYSD/TMT	CuM	12,819.60	27.43	3,51,641.63
3	Reinforcement bars welding or jointing if necessary,				
3	bending ,tying the grills as required for R.C.C works		-	-	-
	etcwinding wire extra				
а	Foundation	Qntl	8,861.00	45.93	4,06,985.73
Ь	Ground floor	Qntl	8,861.00	72.87	6,45,701.07
С	BRICK WORK		-	-	-
	Fly Ash Brick Masonry in cement mortar of mix				
	(1:6) using Fly Ash bricks of size $25c.m \times 11 c.m \times 8$				
	c.m in Foundation & Plinth having crushing strength				
	not less than 75 kg per square c.m. with cement and				
	screened & washed sharp sand for mortar after				
	immersing the bricks for 6 (Six) hours in water				
1	before use in works with all necessary projections,		-	-	-
	splays cutting, circular moulding, corbelling, chamfering, watering and curing etc. including cost,				
	coveyance,stacking, loading, unloading, royalties , all				
	taxes ,cost of all labour,Labour cess ,scaffolding,				
	sundries and T&P required for the works etc. complete				
	in all respect as directed by the Engineer-in-charge.				
	Foundation and Plinth	CuM	5,093.00	19.46	99,109.78
	ו טעוועעווטוו מווע דווווווו	CuM	5,093.00	17.40	77,107./0

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
2	Fly Ash Brick Masonry in cement mortar of mix (1:6) using Fly Ash bricks of size 25c.m x 11 c.m x 8 c.m in superstructure having crushing strength not less than 75 kg per square c.m. with cement and screened & washed sharp sand for mortar after immersing the bricks for 6 (Six) hours in water before use in works with all necessary projections, splays cutting, circular moulding, corbelling, chamfering, watering and curing etc. including cost, coveyance, stacking, loading, unloading, royalties, all taxes, cost of all labour, Labour cess, scaffolding, sundries and T&P required for the works etc. complete in all respect as directed by the Engineer-in-charge.		-	-	-
α	Ground Floor	CuM	5,126.00	66.30	3,39,853.80
3	Fly Ash Brick masonry in cement mortar of mix [1:4] using Fly Ash bricks of size 25cm12cmx8cm in superstructure having crushing strength not less than 75 kg /m2 etc[Half Brick work]		-	-	-
α	Ground Floor	CuM	5,458.00	1.05	5,730.90
			-	-	-
D	PLASTERING & PAINTING		-	-	-
1	Providing 12mm. Thick cement plaster in cement mortar or mix(1:6) in all floors at all height with cement & screened and washed sharp river sand for mortar and finished smooth to the rough surface of the brick masonary walls after racking out the joints (alongwith providing grooves wherever necessary) including watering and curing, rounding of corners etc. complete with cost, conveyance, loading, unloading, royalities and taxes of all materials, cost of all labour, T&P, sundries and scaffolding required for the work etc. as directed by the Engineer-in- charge.		_	-	-
α	Ground floor	SqM	152.30	347.49	52,922.73
2	Providing 16mm. Thick cement plaster in cement mortar or mix(1:6) in all floors at all height with cement & screened and washed sharp river sand for mortar and finished smooth to the rough surface of the brick masonary walls after racking out the joints (alongwith providing grooves wherever necessary)including watering and curing, rounding of corners etc. complete with cost, conveyance, loading, unloading, royalities and taxes of all materials, cost of all labour, T&P, sundries and scaffolding required for the work etc. as directed by the Engineer-in- charge.		-	-	-
a	Ground floor	SqM	217.90	368.30	80,252.57

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
3	Finishing wall surface of wall with cement based wall putty [water based] of approved make and finished smooth and even surface to receive painting including cost etc		-	-	-
а	Ground Floor	SqM	81.61	924.15	75,419.88
4	Providing and applying 2 coats with 100% acrylic emulsion paint on New surface including one coat of primer (exterior quality) of approved make & shade by reputed manufacturer to make an even finished surface over a coat of primer with water bound cement primer in all heights with all scaffolding and staging charges including cost, conveyance, taxes of all materials, cost of all labours, T&P, sundries etc. as required for the work complete.		-		-
α	Ground floor	SqM	150.10	368.30	55,281.83
5	Supplying and painting of internal walls and ceiling with two or more coats of ACRYLIC emulsion paint on New surface which includes a coat of primer all complete. The shade and brand to be of approved brand & shade over the surfaces including preparation of surface, with cost of all materials, labour, conveyance taxes of all materials, scaffolding etc., as per the direction of the Engineer-in-charge.		-	-	-
а	Ground floor	SqM	149.30	555.86	82,989.90
6	Painting with synthetic enamel paint over a coat of primer of approved colour, shade and brand on New wood work /steel work in two or more coats as required to give an even shade including an under coat of suitable primer of approved brand and manufacturer including cost of all materials with taxes and transportation, loading, unloading, scaffolding, all labour, Labour cess, sundries, T&P, etc. complete as per the direction of the Engineer-in-charge including filling gaps with putties, scrapping, sand papering and cleaning the surface to make free from rusts, dusts and oily substances before applying primer etc.		-	-	-
а	Ground floor	sqm	216.80	25.20	5,463.36
E	FLOORING		-	-	-
1	A. S flooring under layer of 25mm thick C.C. (1:2:4) with 12mm ize granite chips and top layer of 6mm thick plaster cement red oxide mix using 3.5kg or red oxide per 50 kg of cement 1:3 finished with a floating coat of cement and Red oxide mix of same proportion. Ground floor		-	- 142.04	- 40 405 52
α	QLORUG LIGOL	SqM	428.00	162.84	69,695.52

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
2	12mm thick cement plaster in CM(1:4) with cement punning for skirting & Dados including all cost. complete with cost, conveyance, royality of all materials and labour with T&P required for the work with royalities, taxes etc.complete in all floors as per direction of Fnaineer-in-charge.	SqM	174.10	20.57	3,581.24
F	DOOR & WINDOW		-	-	-
1	Providing and fixing unplasticised poly vinyl chloride (UPVC) door in cluding all fittings and cost, conveyance of all materials, labours and T&P required for the work etc, all complete as per direction of engineer in charge.	Sqm	8,963.00	3.15	28,233.45
2	Providing and fixing 30 mm thick factory made single extruded WPC (Wood polymer composite) solid plain flush door shutter of required size fixing with stainless steel butt hinges of required size with necessary full body threaded star headed counter sunk S.S screws, all complete as per direction of engineer in	Sqm	4,424.00	15.75	69,678.00
3	Supplying, fitting, fixing up window (sliding type) made up aluminum Section 9778 as windows frame, section No. 4095, 4096 and 9777, 3994 as shutter frame with rubber beading including locking arrangement including all fitting including cost of materials all taxes labour, T&P etc. complete as per direction of Engineer-incharge. including cost of frosted glass & SS mosquito net.	Sqm	7,648.40	24.30	1,85,856.12
G	STEEL WORK		-	-	-
			-	-	-

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
1	Supplying, fitting and fixing of M.S grills, grill gates with top and bottom rails, (as per I.S. specification and as per approved drawings) in proper position in all floors and at all height including making holes to brick walls/ R.C.C structure/wood work etc. and making good to the damaged walls/ structures with cement concrete (1:2:4) with black hard crusher broken granite stone chips of 12mm to 20mm size (20mm size not to exceeds 25%) including watering and curing including cost, conveyance, loading, unloading, stacking, royalties and taxes of all materials, cost of all Labour, Labour cess, Sundries, T&P required for the work etc.complete as per the direction of Engineer in charge (W.I. / M.S. windows grills, grill gates, collapsible gates with top and bottom rails, steel windows, steel doors, steel frames for doors and windows, staircase and parapet railings square bar along with required nos. of nails and screws and other required materials of approved quality and approved size shall be supplied by the contractor at his own cost.)	KG	89.50	864.00	77,328.00
2	Supplying, fitting and fixing of Stainless steel of 304 grade in hand railing using 50mm dia of 2mm thick circular pipe with balustrade of size 32mmx32mmx2mm @ 0.90mtr.C/C and stainless square pipe bracing of size 32mmx32mmx2mm in 3 rows in stair case as per approved design and specification ,buffing, polishing etc with cost,conveyance,taxes of all materials, labour, T & P etc. requird for the complete in all respect.	Rmt	3,524.00	22.50	79,290.00
- 11	Condition of the same		-	-	-
1	Grading plaster 2.5 cm thick grading Plaster (1:4) on roof slab with 6mm size HG chips including all cost, conveyance, royalty & taxes etc.comp.to work site for new work as per the specification approved by the department & direction of E.I.C	sqm	387.30	215.00	83,269.50
	TOTAL CIVIL WORK				42,99,603.60
2	PLUMBING AND SANITARY WORK				
	INTERNAL PH WORKS				

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
1	Supplying all materials, labour and T&P for fitting and fixing white glazed vitreous china porcelain Indian Pan water closet of size 23" of approved make confirming to IS-2556 and top inlet for sinking into floor with 100mm PVC 'P' trap etc. including supply of necessary cement concrete for fitting the closet etc. complete in all respect in all floors including cost, conveyance and taxes of all materials etc. complete and as per PH specification and direction of Engineer-in-charge.				
		Nos	5,609.12	2.00	11,218.24
2	Supplying all materials, labour and T&P for fitting and fixing white glazed vitreous china porcelain flat back urinal pan of approved make confirming to IS-2556 and top inlet for sinking into floor with 100mm PVC 'P' trap etc. including supply of necessary cement concrete for fitting the closet etc. complete in all respect in all floors including cost, conveyance and taxes of all materials etc. complete and as per PH specification and direction of Engineer-in-charge including marble partition in between urinals.		-	-	-
	Complains all materials labours TOP and fining standard	Nos	12,288.40	2.00	24,576.80
3	Supplying all materials, labour, T&P and fixing standard sized shower (bath shower) of approved make etc complete including cutting the wall and making good the damages, including cost of all materials complete as per PH specification and direction of Engineering-in-charge.		-	-	-
		Nos	993.00	2.00	1,986.00
4	fixing white glazed vitreous china porcelain wash basin of size 450mm x 300mm of approved make confirming to IS-2556 and top inlet for sinking into floor with 100mm PVC 'P' trap etc. including supply of necessary cement concrete for fitting the closet etc. complete in all respect in all floors including cost, conveyance and taxes of all materials etc. complete and as per PH specification and direction of Engineer in charge		-	-	<u>-</u>
		Nos	9,150.40	4.00	36,601.60
5	Supplying all materials, labour, T&P and fixing standard sized CP Bib cock of approved make etc complete including cutting the wall and making good the damages, including cost of all materials complete as per PH specification and direction of Engineering-in-charge.		-	-	-
		Nos	1,873.00	4.00	7,492.00

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
6	Supplying all materials, labour, T&P and fixing standard sized 15mm dia Angular Stop cock of approved make etc complete including cutting the wall and making good the damages, including cost of all materials complete as per PH specification and direction of Engineering-incharge.		-	-	-
	onal do.	Nos	1,158.40	4.00	4,633.60
7	Supplying all materials, labour, T&P and fixing standard 15mm sized pillar cock of approved make etc complete including cutting the wall and making good the damages, including cost of all materials complete as per PH specification and direction of Engineering-in-charge.		-	-	-
		Nos	1,626.00	4.00	6,504.00
8	Supplying all materials, labour, T&P and fixing standard sized Long body 15mm dia CP Bib cock of approved make etc complete including cutting the wall and making good the damages, including cost of all materials complete as per PH specification and direction of Engineering-in- charge.	Nos	2,107.00	4.00	8,428.00
	To Delice		-	-	-
9	Supplying all materials, labour, T&P and fixing standard sized two way CP Bib cock of approved make etc complete including cutting the wall and making good the damages, including cost of all materials complete as per PH specification and direction of Engineering-in-charge.	Nos	1,873.40	2.00	3,746.80
10	Supplying all materials, labour, T&P and fixing standard sized shower (Health Faucet) of approved make etc complete including cutting the wall and making good the damages, including cost of all materials complete as per PH specification and direction of Engineering-incharge.	Nos	993.00	2.00	1,986.00
11	Supplying all materials, labour, T&P and fixing standard sized Chromium Plated brass towel rail complete with Chromium Plated brass brackets fixed to wooden plugs with Chromium Plated brass screws as per specification and direction of the Engineer in charge	Nos	1,369.70	- 2.00	2,739.40
	Finite (00.4F0h. II. I. I. I. I. I. I.	1405	1,309./0	2.00	2,739.40
12	Fixing 600x450mm bevelled edge mirror of superior glass mounted on 6mm thick A.C sheet or plywood sheet and fixed to wooden plugs with Chromium Plated brass screws and washers complete as per specification and direction of the Engineer in charge		-	-	-
		NOS	1,841.80	4.00	7,367.20

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
13	Supplying all materials, labour, T&P and fittings and fixing of Poly Propelene white double layer water storage Tank of approved make confirming to IS 12701-1996 including cutting holes through the tank and fixing mild steel tubes and fittings and providing extra sockets and jam nuts, fixing ball valve etc including hoisting upto terrace level and placing the tank to the required position etc all complete as per PH specification and direction of Engineer-in-charge. (To provided with brick masonary guard walls which will be paid separately)		-	-	-
α	2000 ltr	Nos	25,364.70	1.00	25,364.70
			-	-	-
14	Supplying all materials, labours, T&P and fitting and fixing of the following size of CPVC pipe confirming to IS 15778 certification mark with socket and screw joints in walls and floors including supplying of required number of fittings of approved make including cutting threads to pipes and pipes to length, including wastage, etc for fitting to the walls with supply of holder ats, clamps, fixing wooden plugs in walls, including testing of pipe line for water tightness complete as per IS specification including cost, conveyance and taxes of all materials all complete as per PH specification and direction of Engineer-in-		-	-	-
a	25 mm dia	R.mtr	368.50	20.00	7,370.00
ь	32 mm dia	R.mtr	563.20	20.00	11,264.00
c	40mm dia	R.mtr	732.10	20.00	14,642.00
15	Providing all materials, labour, Fitting & fixing of CPVC Ball Valve with CTS socket. Make: Prince)		0	0	-
α	25mm Dia	Nos	842.00	1.00	842.00
Ь	32mm Dia	Nos	1,589.00	1.00	1,589.00
С	40mm dia	Nos	2,391.00	1.00	2,391.00
16	Supplying all materials, labours, T&P for cutting holes through existing brickwork including making good the damages in cement mortar (1:4) for taking GI pipes and fittings/PVC pipes and fittings etc all complete as per PH specification and direction of Engineer-in-charge.		-	-	-
		Nos	55.60	2.00	111.20
17	Supplying all materials, labours, T&P for cutting holes through existing RCC floors & roofs including making good the damages for taking GI pipes and fittings/PVC pipes and fittings etc all complete as per PH specification and direction of Engineer-in-charge.		-	-	-
		Nos	167.40	2.00	334.80
		. 103	107.10	2.00	

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
18	Supplyng all materials, labour, T&P for construction of brick masonary Gulley trap chamber of size300mm x 300mm with CI gulley trap, by Fly ash brick masonry in CM (1:4), CP (1:6) with 150mm x 150mm CI grating including labour and materials for fitting and fixing 100mm dia square mouth CI gully trap with supply of all jointing materials and encasing the gully trap with a block of CC (1:4:8) with 25mm size hard stone metal all complete with providing and fixing of 250mm x 250mm precast RCC cover slab including cost, conveyance, taxes of all materials to site complete as per the PH specification and direction of Engineer-in-charge.		-	-	-
		Nos	3,586.00	2.00	7,172.00
19	Providing all materials labour, T&P for making grooves in bricks/stone masonary walls vertically or horizontally up to required depth and width in all floor for laying of pipes and fittings up to 50mm dia, testing the joints with required water pressure and making good the damages with cement concrete 1:2:4 with 12mm size h.g.c.b.chips and finished smooth with cement morter (1:4) to original shape including cost of all materials, curing, conveyance of all materials etc. all complete excluding GST as per specification & direction of Engineer-in-charge.		0.00	0.00	-
		Rmt	249.70	20.00	4,994.00
20	External PH Supplying all materials, labours, T&P and fitting and fixing of the following size of CPVC pipe confirming to IS 15778 certification mark with socket and screw joints in walls and floors including supplying of required number of fittings of approved make including cutting threads to pipes and pipes to length, including wastage, etc for fitting to the walls with supply of holder ats, clamps, fixing wooden plugs in walls, including testing of pipe line for water tightness complete as per IS specification including cost, conveyance and taxes of all materials all complete as per PH specification and direction of Engineer-in-		-	-	<u>-</u>
α	50mm dia	Rmt	1,153.60	10.00	11,536.00

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
21	Supplying all materials & labour, T&P and constructing brick masonary chamber for water sluice valve, single air valve & non return valve with Fly ash brick masonary in cement mortar (1:4) as per approved drawing and specification CC (1:4:8) with 4cm size hard granite metal on the bed, 12mm cement plaster (1:6) to inside and cement flush pointing (1:6) to outside surface with 100mm thick RCC M20 cover slab with 20mm hg chips using required quantity of tor steel, centring and shuttering to the slab and dismantling it after 31 days of casting, filling the outside cavity with excavated materials, watering, curing including cost, conveyance, taxes of all materials, labour charges for cutting, bending, binding and tying the grills in proper position etc all complete as per drawing, design and direction of Engineer-in- charge.		-	-	-
a	Chamber (0.75x0.75x0.7mtr)	Nos	9,729.00	1.00	9,729.00
			-	-	-
22	Supplying all materials, labour, T&P and fitting and fixing of double air valve of 50mm Dia confirming to the relevant IS specification and dimension including fixing it in position along the pipeline with supply of all required materials such as rubber insertion, nuts & bolts including cost of all materials, taxes, and duties, transportation charges from store to site etc all complete as per the direction of Engineer-in-charge.		-	-	-
		Nos	4,111.90	1.00	4,111.90
23	Supply, installation, testing and commissioning of automatic star delta control panel suitable for 2 HP pumpset including MS box fitted with main switch ,contactor, single phasing preventer, timer, selector switch, voltmetre, ammeter etc and connection with motor inside the sump with suitable cable etc complete as per the Direction of Engineer-in-charge. (Excluding power_supply)(MR)		-	-	-
		Set	14,500.00	1.00	14,500.00
	Septic Tank		-	-	-
24	Earth work in excavation in Hard rock by mechanical means (Hydraullic excavator)/ manual means overareas (exceeding 30 cm in depth, 1.5 m in width as well as 10sqm on plan) inculding disposal of excavated earth up to 50 m and lift upto 1.5m with all lead and lift including shoring, shuttering & dewatering (if required) with cost of all Labour, Labour cess ,Hire & Running charges of the water pumps, T & P required for the work complete as directed by the Engineer- in- charge.		-	-	-

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
α	Earth work excavation beyond 1.50mtr depth	CuM	210.97	6.00	1,265.82
25	Supplying and filling the Foundation & Plinth with clean coarse river sand of approved quality from approved quarry, laying in layers not exceeding 150mm thick, watering and ramming including cost, conveyance, royalty and taxes of all materials, cost of all labour, T&P etc. as required for the work complete as per direction of the Engineer-in-charge.		-	-	-
		CuM	848.00	2.73	2,315.04
26	Providing & laying cement concrete of prop. (1:4:8) in foundation bed and floors using 40mm nominal size down graded, screened, washed hard black crusher broken granite metal of approved quality & from approved quarry including laying in the layers not exceeding 100 mm thick etc. Providing and laying in position ready mixed M25 grade	CuM	5,055.20	0.75	3,791.40
27	Providing and laying in position ready mixed M25 grade concrete having compressive strength at 28 days test not lessthan 250kg/sq.cm for reinforced cement concrete work using cement content as per approved design mix etc		-	-	-
α	Foundation	CuM	6,402.65	1.00	6,402.65
Ь	RCC Wall	CuM	7,224.10	2.03	14,664.92
С	Slab	CuM	12,819.60	1.00	12,819.60
28	Cutting,straightening coiled or bent up HYSD/TMT Reinfocement Bars welding or jointing if necessary bending binding tving the grills as etc	Qntl	8,861.00	3.60	31,899.60
29	bending, binding, tying the grills as etc Providing 12mm. thick cement plaster with cement mortar of mix (1:4) in all floors cement and with screened and washed sharp sand for mortar with neat cement punning finished smooth to brick/RCC walls after racking out the joints including watering and curina complete with cost etc	SqM	152.30	12.18	1,855.01
30	Providing and laying of P.C.C. of 1:3:6 with 12 mm size hard granite metal in foundation trenches, under floors in line level including curing and ramming etc. all complete as per the direction of the Engineer-in-charge	Jym	0	0	-
		Sqm	6,162.20	0.34	2,095.15
31	Finishing walls with water proofing cement paint of approved shade on new work Two coat to give an even shade		-	-	-
32	Back filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20 cm in depth, consolidating each deposited layer by ramming and watering, lead upto 50 m and lift upto 1.5m.	Sqm	37.90 - 117.20	12.18 - 5.55	461.62
	Soak Pit			-	-
	Dour III		-	-	=

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
33	Supplying and filling the Foundation & Plinth with clean coarse river sand of approved quality from approved quarry, laying in layers not exceeding 150mm thick, watering and ramming including cost, conveyance, royalty and taxes of all materials, cost of all labour, T&P etc. as required for the work complete as per direction of the Engineer-in-charge.		-	-	-
	an ection of the Engineer in charge.	CuM	848.00	1.00	848.00
	Providing & laying cement concrete ot prop. (1:4:8) in	CuM	040.00	1.00	848.00
34	foundation bed and floors using 40mm nominal size down graded, screened, washed hard black crusher broken granite metal of approved quality & from approved quarry including laying in the layers not	CuM	5,055.20	0.62	3,134.22
35	exceeding 100 mm thick etc Providing and laying in position ready mixed M25 grade concrete having compressive strength at 28 days test not lessthan 250kg/sq.cm for reinforced cement concrete work using cement content as per approved		-	-	-
α	<u>desian mix etc</u> Foundation	CuM	6,402.65	0.32	2,048.85
36	Providing 12mm. thick cement plaster with cement mortar of mix (1:4) in all floors cement and with screened and washed sharp sand for mortar with neat cement punning finished smooth to brick/RCC walls after racking out the joints including watering and curing complete with cost. etc.		-	-	-
		SqM	270.80	1.36	368.29
37	Providing and laying of P.C.C. of 1:3:6 with 12 mm size hard granite metal in foundation trenches, under floors in line level including curing and ramming etc. all complete as per the direction of the Engineer-incharge		o	0	-
	charde	Sqm	8,314.20	0.62	5,154.80
38	Fly Ash Brick Masonry in cement mortar of mix (1:6) using Fly Ash bricks of size 25c.m x 12 c.m x 8 c.m in Foundation & Plinth having crushing strength not less than 75 kg per square c.m. with cement and screened & washed sharp sand for mortar after immersing the bricks for 6 (Six) hours in water before use in works with all necessary projections, splays cutting, circular moulding, corbelling, chamfering, watering and curing etc. including cost, coveyance, stacking, loading, unloading, royalties, all taxes, cost of all labour, Labour cess, scaffolding, sundries and T&P required for the works etc. complete in all respect as directed by the Engineer-in-charge.		-	-	-
		CuM	5,397.00	6.37	34,378.89

39 m	Supplying all materials, labour, T&P, fitting and fixing uPVC SWR pipes (Type-B)(Co-moulded Ring type) of				
	approved make confirming to IS-13592/1992with ISI marked, both below & above ground level or fixing on wall surface in all floors including transportation & scaffolding etc. all complete as per specification excluding GST & direction of the Engineer-in-charge.		0	0	-
a P	Pipe 110mm dia	R.Mtr	828.11	30.00	24,843.30
b 1	110mmx110mm 'P' Trap (Make:Astral)	nos	494.00	2.00	988.00
c 1	110mm dia single 'Y' withoutdoor	nos	479.00	2.00	958.00
d 1	110mm WC connector/Bend with lip ring	nos	360.00	2.00	720.00
e 1	110mm Socket plug	nos	180.00	2.00	360.00
f	Upvc Elbow	nos	786.00	2.00	1,572.00
40 t	Sinking of 200 mm x150mm size production well through DTH or combination drilling riges in hard rock area with PVC or GI casing pipes. 120mtr depth (1nos)	L.S	2,00,000.00	1.00	2,00,000.00
41 6 41 c 2 c	Supplying, fitting and fixing of Antiskid Ceramic Floor Tiles in flooring using special plain / printed series Ceramic Floor Tile of premium grade (having minimum thickness 7 mm to 8 mm & size 300 mm × 300 mm OR 600 mm ×600 mm, confirming to I.S 13755 of approved quality and shade in floors, treads on steps and landings on 25 m.m thick bed of cement mortar of mix (1:1) laid in proper slope and gradient with screened & washed sharp etc		-	-	-
e	Ground floor	SqM	1,153.90	17.88	20,631.73
42 s	Supplying, fitting and fixing of ceramic glazed wall Tiles in skirting dado,risers of step and wall using special plain / printed series Ceramic wall Tile of premium grade (having minimum thickness 6.5 mm to 6.7 mm & size 300 mm × 300 mm OR 600mm ×300 mm,		-	-	-
ϵ	Ground floor	SqM	1,317.60	68.46	90,202.90
Т	TOTAL of internal PH WORK[I]				6,97,661.49
3	ELECTRICAL WORK				

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount .
1	Wiring for light point/ fan/ exhaust fan point/ call bell point with 1.5 sqmm FRLS PVC insulated copper conductor single core cable in surface / recessed 2 mm thick PVC conduit with modular switch and earthing the point with 1.5 sqmm FRLS PVC insulated copper conductor single core cable including providing modular box with cover of requisite number of modules including providing cover plates as required. Make Conduit:Norepack/Precision/AKG Wire-KEI/Havells/Finolex Switch/socket-Legrand (myrius)/Panasonic(vision)/schneider(zencelo)		-	-	-
a)	Single light point controlled by one 6A switch or first light point of group control.	Each	785.00	20.00	15,700.00
b)	Subsequent point of group control	Each	515.00	4.00	2,060.00
2	Supplying and fixing two module steeped type electronic fan regulator with proper modular plate switch box including connections etc. as required. Switch/socket-Legrand (myrius)/Panasonic(vision)/schneider(zencelo)	Nos.	653.00	2.00	1,306.00
3	Supplying and fixing 6 Amp plug with 6 Amp switch (Modular Type) on existing board.	Nos.	356.00	8.00	2,848.00
4	Supplying and fixing including testing and commissioning of 6A modular socket outlet with 6 Amp switch including providing GI modular box with faceplate etc as required.		-	-	-
a)	1 nos 6 Amp 3-pin socket with 6 Amp switch.	Nos.	512.00	8.00	4,096.00
b)	2 nos 6 Amp 3-pin socket with 2 nos 6 Amp switch.	Nos.	909.00	6.00	5,454.00
5	Supply, installation, testing & commissioning of 6 / 16 Amp Plug Boards consisting of a 16 Amp clip-in type modular switch with indicator and a 6/16 Amp clip-in type modular socket fixed on metallic concealed box including interconnections and making good the damages caused complete as required and as per direction of Engineer-in-charge. Supplying, installation, testing & commissioning of 25		652.00	8.00	5,216.00
6	amp modular socket outlet on surface or in recess, on 1 Nos two module GI box with plate for socket point and one nos two module GI Box with face plate for switch etc. complete as direction of Engineer-in-charge. As per Crabtree(cat no-ACTO202504) or equivalent of Learand/Schneider		1,330.15	4.00	5,320.60
7	Wiring for circuit/ submain wiring along with earth wire of following size of FRLS heavy gauge PVC insulated copper conductor single core cable in heavy duty PVC conduit laid in surface/ recess as required.		-	-	-
a)	2X2.5 + 1X2.5 sqmm FRLS Cu wire (for Light circuit wiring)	mtr	233.05	75.00	17,478.75

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
b)	double core 4 sq mm. copper wire for phase and neutral	mtr	386.00	20.00	7,720.00
c)	double core 6 sq mm. copper wire for phase and neutral	mtr	452.05	20.00	9,041.00
8	Supply, delivery and fixing of Ceiling fan hook box made out of 18 swg GI sheet and containing 10 mm dia round ms bar projecting atleast 150mm on either side & duly bent to accommodate ceiling fan down rod bolt & having earthing arrangement as per direction of Engineer-in-charge.	Nos.	150.00	10.00	1,500.00
9	36Watt LED Light fitting (3300 Lumen) for PHILIPS .(CAT No:RC365B LED33- 6500 PSU OD WH)/Equivalent of Halonix/Panasonic/crompton as required	Each	3,983.00	10.00	39,830.00
10	20Watt LED Surface/suspended Battern Linear Luminaire (2000 Lumen) PHILIPS (CAT No:WT150C LED20S-6500 PSE OD GR) / Equivalent of Halonix/Panasonic/crompton	Each	1,753.00	10.00	17,530.00
11	6Watt LED Light fitting (600 Lumen) PHILIPS (CAT No:DN191B LED6S-6500 PSU WH S1) / Equivalent ofHalonix/Panasonic/crompton	Each	1,231.00	4.00	4,924.00
12	Supplying, installation, testing and commissioning of ceiling fan (5 star rating) including wiring the down rod, earthing etc as required (Make : Bajaj/Usha/		-	-	-
(a)	Crompton/ Orient/ Khaitan/ Havells). 1200 mm sweep	Nos.	2,656.00	10.00	26,560.00
13	Supplying, installation, testing and commissioning of Exhaust fan / fresh air fan with louvre (Make - Bajaj/Usha/ Crompton/ Orient/ Khaitan/ Havells) as required.		-	-	-
a)	225 mm sweep fibre body fresh air fan	Nos.	1,753.00	2.00	3,506.00
14	Supplying, installation, testing and commissioning of Split Air Conditioner (Make -DAIKINI/VOLTAS/BLUE STAR/as required.	Nos.	55,000.00	4.00	2,20,000.00
15	Supplying and fixing following way, TP and neutral, sheet steel, MCB distribution board, IP-43,IK09 with metal door ,415 V, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCBOs/ISOLATORS) Make- Legrand(Ekinoxe3/siemens(Betaguard)/Schneider Acti9		-	-	-
a)	6 way, Double door	Nos.	4,631.00	2.00	9,262.00

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
16	Supplying and fixing following way, single pole and neutral, sheet steel, MCB distribution board, IP-43, IK-09, 240 V, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCBOS/ISOLATORS)		-		-
a)	12 way, Double door	Each	2,523.00	2.00	5,046.00
17	Supplying and fixing following rating RCBOs/ MCBs in the existing DB complete with connections, testing and commissioning etc. as required Make-Legrand/L&T/ABB		-		
c)	6 Amp to 32 Amp, 10 KA SP MCB (C-Curve)	Each	305.00	2.00	610.00
18	Supplying and fixing of following sizes of heavy gauge PVC conduit along with accessories in surface/recess including cutting the wall and making good the same in case of recessed conduit as required.		-	-	
a)	20 mm	mtr	52.00	100.00	5,200.00
19	Earthing with GI earth pipe 4.5 meter long,40mm dia incluiding accessories and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc with charcoal/coke and salt as required	Nos.	5,809.32	1.00	5,809.32
20	Providing and fixing 25 mm X 5mm GI strip on surface or in recess for connection etc as required.	Mtr	129.00	5.00	645.00
21	Providing and fixing 6 SWG GI wire on surface or in recess for loop earthing along with surface/recessed MS Conduit/submain wiring/cables etc as required.	Mtr	37.00	5.00	185.00
	Total Chadried Amount		-	-	4 17 047 77
	Total Electrical Amount		-	-	4,16,847.67
4	FIRE FIGHTING SYSTEM		_	-	
			-	-	
1	Supplying installation testing and commissioning of ABC type fire extinguishers of 6 kg capacity confirming to IS:14609 & ABC powder confirming IS:13849 presurized with Nitrozen Gas marked.including cost of all material & labour for all floors & service building etc. all complete. Make-KANEX/FIRE SHILD /SAFEX or equivalent	Nos	3,264.00	2.00	6,528.00

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
2	Supplying, installation, testing and commissioning of CO_2 type Fire Extinguisher 4.5 kg capacity confirming to IS: 2878 made from ISI marked seamless cylinder confirming to IS: 7285, fitted with ISI marked controlled valve confirming to IS: 3224, high pressure 1mtr discharge hose & horn complete with initial gas charged with carrying handle & wall mounting bracket for all floors & service building etc. as per direction of Engineer-in-charge.Make-KANEX/FIRE SHILD /SAFEX or equivalentor equivalent	Nos	7,700.00	2.00	15,400.00
3	Supplying, installation, testing and commissioning of Mechanical Foam type 9 litre capacity Fire Extinguisher, ISI marked, IS: 10204, containing 540 ml AFFF liquid ISI marked, IS: 4989 Part II and a polyurethane coated CO2 Gas Cartridge, ISI marked, IS: 4947 complete with gunmetal union cap, nylon hose with plastic foam making branch and wall mounting bracket as per direction of Engineer-in-charge.	Each	3,659.00	2.00	7,318.00
4	Sand Buket as per IS Specicification	Each	500.00	3.00	1,500.00
5	Buket Stand to Store 10 nos of Buket also having Aluminium sheet above the to prevent the stand from rain/sunst.	Nos	2,820.00	1.00	2,820.00
	Total Fire Fighting Amount				33,566.00

TENDER FOR CONSTRUCTION OF MULTI-PURPOSE CENTRE (MPC) AT VARIOUS LOCATIONS FOR DISTRICT OF RAYAGADA, ODISHA (2nd Call)

NIT No: PCO/BBSR/980/200 Date- 26.09.2024

CONSTRUCTION OF MULTI-PURPOSE CENTRE (MPC) AT DENGUNI, MUNIKHOL, MUNIGUDA IN THE DISTRICT OF RAYAGADA

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
	Architectural Consultancy Services	Lot	54639.98	1	54639.98
	Sub Total				54639.98
1	CIVIL WORKS				
Α	EARTH WORK				
	Earth work in stoney earth and gravels mixed with				
	stone and boulder not exceeding 0.014 cum in volume				
	within 50m initial lead and 1.5m initial lift including				
1	rough dressing and breaking clods to maximum 5cm to				
	7cm and laying in layer not exceeding 0.3m in depth and				
	as per specification approved by the dept.				
i	Ordinary Soil	CuM	210.97	200.38	42,274.17
ii	Soft Rock	CuM	329.01	51.15	16,828.86
iii	Hard Rock	CuM	2,726.10	2.56	6,978.82
	Supplying & Filling foundation trenches , plinth &				
	ditches with clean course river sand well watered and		848.00	193.64	
	rammed in layers not exceeding 23 c.m. in depth with all				
2	lead and lift including cost, conveyance, loading,	CA.			1 / 4 20/ 72
4	unloading, stacking, royalties and all taxes of sand, cost	CuM			1,64,206.72
	& conveyance of water, cost of all Labour,labour				
	cess,T&P required for the work etc. complete in all				
	respect as directed by the Engineer- in -charge.				
	Back filling available excavated earth (excluding rock)				
	in trenches, plinth, sides of foundations etc. in layers				
3	not exceeding 20 cm in depth, consolidating each	CuM	117.20	34.20	4,008.24
	deposited layer by ramming and watering, lead upto 50				
	m and lift upto 1.5m. Making plinth protection 150 mm thick of cement				
	concrete 1:3:6 (1 cement: 3 coarse sand : 6 graded stone aggregate 20 mm nominal size) over 75mm thick				
4	bed of dry brick ballast 40 mm nominal size, well		-	-	-
	rammed and consolidated and grouted with fine sand,				
	lincluding finishing the top smooth				
	Inicialing Initialing the Top Silloom	SqM	2,397.30	51.75	1,24,060.28
В	PLAIN & REINFORCEMENT CONCRETE		-	-	-

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
1	Providing and laying P.C.C[1:4:8] using 4cm size metal etc in foundation and floors using cement, 40 mm size crusher broken H.G.Metal and screened and washed sharp river sand for mortar of approved quality and from approved quarry including hoisting, lowering and laying concrete to the required level, ramming, watering and curing etc	CuM	5,118.30	34.35	1,75,813.61
2	Providing and laying in position ready mixed M25 grade concrete having compressive strength at 28 days test not lessthan 250kg/sq.cm for reinforced cement concrete work using cement content as per approved design mix etc including Rigid & smooth centering and shuttering.		-	-	-
а	For R.C.C foundation, footing bases of column, mass	CuM	6,461.85	68.94	4,45,479.94
	concrete, pre-cast etc.				
Ь	For R.C.C plinth band etc.	CuM	7,283.30	11.99	87,326.77
	R.C.C Beam & Coloum	a	-	-	-
1	Ground Floor	CuM	14,285.80	26.87	3,83,859.45
d	Lintel	2.44	-	-	-
i	Ground Floor	CuM	13,564.80	3.38	45,849.02
f	Chaja		1 127 45	12.15	12 / 0/ 27
i	Ground Floor	Sqm	1,126.45	12.15	13,686.37
9	Roof slab, Landing, Balcony,	2.44	-	-	-
i	Ground Floor Cutting ,Straightening coiled or bend up HYSD/TMT	CuM	12,878.80	27.43	3,53,265.48
3	Reinforcement bars welding or jointing if necessary, bending tying the grills as required for R.C.C works etcwinding wire extra		-	-	-
α	Foundation	Qntl	8,861.00	45.93	4,06,985.73
b	Ground floor	Qntl	8,861.00	72.87	6,45,701.07
С	BRICK WORK		-	-	-
1	Fly Ash Brick Masonry in cement mortar of mix (1:6) using Fly Ash bricks of size 25c.m × 11 c.m × 8 c.m in Foundation & Plinth having crushing strength not less than 75 kg per square c.m. with cement and screened & washed sharp sand for mortar after immersing the bricks for 6 (Six) hours in water before use in works with all necessary projections, splays cutting, circular moulding, corbelling, chamfering, watering and curing etc. including cost, coveyance, stacking, loading, unloading, royalties, all taxes, cost of all labour, Labour cess, scaffolding, sundries and T&P required for the works etc. complete in all respect as directed by the Engineer-in-charge.		-	-	-
	Foundation and Plinth	CuM	5,145.00	19.46	1,00,121.70

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
2	Fly Ash Brick Masonry in cement mortar of mix (1:6) using Fly Ash bricks of size 25c.m x 11 c.m x 8 c.m in superstructure having crushing strength not less than 75 kg per square c.m. with cement and screened & washed sharp sand for mortar after immersing the bricks for 6 (Six) hours in water before use in works with all necessary projections, splays cutting, circular moulding, corbelling, chamfering, watering and curing etc. including cost, coveyance, stacking, loading, unloading, royalties, all taxes, cost of all labour, Labour cess, scaffolding, sundries and T&P required for the works etc. complete in all respect as directed by the Engineer-in-charge.		-)	-
а	Ground Floor	CuM	5,178.00	66.30	3,43,301.40
3	Fly Ash Brick masonry in cement mortar of mix [1:4] using Fly Ash bricks of size 25cm12cmx8cm in superstructure having crushing strength not less than 75 kg /m2 etc[Half Brick work]		-	-	-
а	Ground Floor	CuM	5,458.00	1.05	5,730.90
D	PLASTERING & PAINTING		-	-	<u>-</u>
	FLASIERING & FAINTING		-		
1	Providing 12mm. Thick cement plaster in cement mortar or mix(1:6) in all floors at all height with cement & screened and washed sharp river sand for mortar and finished smooth to the rough surface of the brick masonary walls after racking out the joints (alongwith providing grooves wherever necessary) including watering and curing, rounding of corners etc. complete with cost, conveyance, loading, unloading, royalities and taxes of all materials, cost of all labour, T&P, sundries and scaffolding required for the work etc. as directed by the Engineer-in- charge.		-	-	-
а	Ground floor	SqM	152.30	347.49	52,922.73
2	Providing 16mm. Thick cement plaster in cement mortar or mix(1:6) in all floors at all height with cement & screened and washed sharp river sand for mortar and finished smooth to the rough surface of the brick masonary walls after racking out the joints (alongwith providing grooves wherever necessary)including watering and curing, rounding of corners etc. complete with cost, conveyance, loading, unloading, royalities and taxes of all materials, cost of all labour, T&P, sundries and scaffolding required for the work etc. as directed by the Engineer-in- charge.		-	-	-
a	Ground floor	SqM	217.90	368.30	80,252.57

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
3	Finishing wall surface of wall with cement based wall putty [water based] of approved make and finished smooth and even surface to receive painting including cost etc		-	-	-
а	Ground Floor	SqM	81.61	924.15	75,419.88
4	Providing and applying 2 coats with 100% acrylic emulsion paint on New surface including one coat of primer (exterior quality) of approved make & shade by reputed manufacturer to make an even finished surface over a coat of primer with water bound cement primer in all heights with all scaffolding and staging charges including cost, conveyance, taxes of all materials, cost of all labours, T&P, sundries etc. as required for the work complete.		-		-
α	Ground floor	SqM	150.10	368.30	55,281.83
5	Supplying and painting of internal walls and ceiling with two or more coats of ACRYLIC emulsion paint on New surface which includes a coat of primer all complete. The shade and brand to be of approved brand & shade over the surfaces including preparation of surface, with cost of all materials, labour, conveyance taxes of all materials, scaffolding etc., as per the direction of the Engineer-in-charge.		-	-	-
а	Ground floor	SqM	149.30	555.86	82,989.90
6	Painting with synthetic enamel paint over a coat of primer of approved colour, shade and brand on New wood work /steel work in two or more coats as required to give an even shade including an under coat of suitable primer of approved brand and manufacturer including cost of all materials with taxes and transportation, loading, unloading, scaffolding, all labour, Labour cess, sundries, T&P, etc. complete as per the direction of the Engineer-in-charge including filling gaps with putties, scrapping, sand papering and cleaning the surface to make free from rusts, dusts and oily substances before applying primer etc.		-	-	-
а	Ground floor	sqm	216.80	25.20	5,463.36
E	FLOORING		-	-	-
1	A. S flooring under layer of 25mm thick C.C. (1:2:4) with 12mm ize granite chips and top layer of 6mm thick plaster cement red oxide mix using 3.5kg or red oxide per 50 kg of cement 1:3 finished with a floating coat of cement and Red oxide mix of same proportion.		-	-	-
α	Ground floor	SqM	430.00	162.84	70,021.20

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
2	12mm thick cement plaster in CM(1:4) with cement punning for skirting & Dados including all cost. complete with cost, conveyance, royality of all materials and labour with T&P required for the work with royalities, taxes etc.complete in all floors as per direction of Fnaineer-in-charge.	SqM	174.10	20.57	3,581.24
F	DOOR & WINDOW		-	-	-
1	Providing and fixing unplasticised poly vinyl chloride (UPVC) door in cluding all fittings and cost, conveyance of all materials, labours and T&P required for the work etc, all complete as per direction of engineer in charge.	Sqm	8,963.00	3.15	28,233.45
2	Providing and fixing 30 mm thick factory made single extruded WPC (Wood polymer composite) solid plain flush door shutter of required size fixing with stainless steel butt hinges of required size with necessary full body threaded star headed counter sunk S.S screws, all complete as per direction of engineer in	Sqm	4,424.00	15.75	69,678.00
3	Supplying, fitting, fixing up window (sliding type) made up aluminum Section 9778 as windows frame, section No. 4095, 4096 and 9777, 3994 as shutter frame with rubber beading including locking arrangement including all fitting including cost of materials all taxes labour, T&P etc. complete as per direction of Engineer-incharge. including cost of frosted glass & SS mosquito net.	Sqm	7,648.40	24.30	1,85,856.12
G	STEEL WORK		-	-	-
			-	-	-

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
1	Supplying, fitting and fixing of M.S grills, grill gates with top and bottom rails, (as per I.S. specification and as per approved drawings) in proper position in all floors and at all height including making holes to brick walls/ R.C.C structure/wood work etc. and making good to the damaged walls/ structures with cement concrete (1:2:4) with black hard crusher broken granite stone chips of 12mm to 20mm size (20mm size not to exceeds 25%) including watering and curing including cost, conveyance, loading, unloading, stacking, royalties and taxes of all materials, cost of all Labour, Labour cess, Sundries, T&P required for the work etc.complete as per the direction of Engineer in charge (W.I. / M.S. windows grills, grill gates, collapsible gates with top and bottom rails, steel windows, steel doors, steel frames for doors and windows, staircase and parapet railings square bar along with required nos. of nails and screws and other required materials of approved quality and approved size shall be supplied by the contractor at his own cost.)	KG	89.50	864.00	77,328.00
2	Supplying, fitting and fixing of Stainless steel of 304 grade in hand railing using 50mm dia of 2mm thick circular pipe with balustrade of size 32mmx32mmx2mm @ 0.90mtr.C/C and stainless square pipe bracing of size 32mmx32mmx2mm in 3 rows in stair case as per approved design and specification ,buffing, polishing etc with cost,conveyance,taxes of all materials, labour, T & P etc. requird for the complete in all respect.	Rmt	3,524.00	22.50	79,290.00
			-	-	-
1 1	Grading plaster 2.5 cm thick grading Plaster (1:4) on roof slab with 6mm size HG chips including all cost, conveyance, royalty & taxes etc.comp.to work site for new work as per the specification approved by the department & direction of E.I.C	sqm	387.30	215.00	- 83,269.50
	TOTAL CIVIL WORK				43,15,066.31
	IOTAL CIVIL WORK				73,13,000.31
2	PLUMBING AND SANITARY WORK				
	INTERNAL PH WORKS				

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
1	Supplying all materials, labour and T&P for fitting and fixing white glazed vitreous china porcelain Indian Pan water closet of size 23" of approved make confirming to IS-2556 and top inlet for sinking into floor with 100mm PVC 'P' trap etc. including supply of necessary cement concrete for fitting the closet etc. complete in all respect in all floors including cost, conveyance and taxes of all materials etc. complete and as per PH specification and direction of Engineer-in-charge.				
	· · · · · · · · · · · · · · · · · · ·	Nos	5,616.68	2.00	11,233.36
2	Supplying all materials, labour and T&P for fitting and fixing white glazed vitreous china porcelain flat back urinal pan of approved make confirming to IS-2556 and top inlet for sinking into floor with 100mm PVC 'P' trap etc. including supply of necessary cement concrete for fitting the closet etc. complete in all respect in all floors including cost, conveyance and taxes of all materials etc. complete and as per PH specification and direction of Engineer-in-charge including marble partition in between urinals.		-	-	-
	Complains all materials labours TOP and fining standard	Nos	12,288.40	2.00	24,576.80
3	Supplying all materials, labour, T&P and fixing standard sized shower (bath shower) of approved make etc complete including cutting the wall and making good the damages, including cost of all materials complete as per PH specification and direction of Engineering-in-charae.		-	-	-
		Nos	993.00	2.00	1,986.00
4	fixing white glazed vitreous china porcelain wash basin of size 450mm x 300mm of approved make confirming to IS-2556 and top inlet for sinking into floor with 100mm PVC 'P' trap etc. including supply of necessary cement concrete for fitting the closet etc. complete in all respect in all floors including cost, conveyance and taxes of all materials etc. complete and as per PH specification and direction of Engineer in charge		-	-	<u>-</u>
		Nos	9,150.40	4.00	36,601.60
5	Supplying all materials, labour, T&P and fixing standard sized CP Bib cock of approved make etc complete including cutting the wall and making good the damages, including cost of all materials complete as per PH specification and direction of Engineering-in-charge.		-	-	<u>-</u>
		Nos	1,873.00	4.00	7,492.00

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
6	Supplying all materials, labour, T&P and fixing standard sized 15mm dia Angular Stop cock of approved make etc complete including cutting the wall and making good the damages, including cost of all materials complete as per PH specification and direction of Engineering-incharge.		-	-	-
	onal do.	Nos	1,158.40	4.00	4,633.60
7	Supplying all materials, labour, T&P and fixing standard 15mm sized pillar cock of approved make etc complete including cutting the wall and making good the damages, including cost of all materials complete as per PH specification and direction of Engineering-in-charge.		-	-	-
		Nos	1,626.00	4.00	6,504.00
8	Supplying all materials, labour, T&P and fixing standard sized Long body 15mm dia CP Bib cock of approved make etc complete including cutting the wall and making good the damages, including cost of all materials complete as per PH specification and direction of Engineering-in- charge.	Nos	2,107.00	4.00	8,428.00
	To Delice		-	-	-
9	Supplying all materials, labour, T&P and fixing standard sized two way CP Bib cock of approved make etc complete including cutting the wall and making good the damages, including cost of all materials complete as per PH specification and direction of Engineering-in-charge.	Nos	1,873.40	2.00	3,746.80
10	Supplying all materials, labour, T&P and fixing standard sized shower (Health Faucet) of approved make etc complete including cutting the wall and making good the damages, including cost of all materials complete as per PH specification and direction of Engineering-incharge.	Nos	993.00	2.00	1,986.00
11	Supplying all materials, labour, T&P and fixing standard sized Chromium Plated brass towel rail complete with Chromium Plated brass brackets fixed to wooden plugs with Chromium Plated brass screws as per specification and direction of the Engineer in charge	Nos	1,369.70	- 2.00	2,739.40
	Finite (00.4F0h. II. I. I. I. I. I. I.	1405	1,309./0	2.00	2,739.40
12	Fixing 600x450mm bevelled edge mirror of superior glass mounted on 6mm thick A.C sheet or plywood sheet and fixed to wooden plugs with Chromium Plated brass screws and washers complete as per specification and direction of the Engineer in charge		-	-	-
		NOS	1,841.80	4.00	7,367.20

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
13	Supplying all materials, labour, T&P and fittings and fixing of Poly Propelene white double layer water storage Tank of approved make confirming to IS 12701-1996 including cutting holes through the tank and fixing mild steel tubes and fittings and providing extra sockets and jam nuts, fixing ball valve etc including hoisting upto terrace level and placing the tank to the required position etc all complete as per PH specification and direction of Engineer-in-charge. (To provided with brick masonary guard walls which will be paid separately)	l	-	-	-
α	2000 ltr	Nos	25,364.70	1.00	25,364.70
			-	-	-
14	Supplying all materials, labours, T&P and fitting and fixing of the following size of CPVC pipe confirming to IS 15778 certification mark with socket and screw joints in walls and floors including supplying of required number of fittings of approved make including cutting threads to pipes and pipes to length, including wastage, etc for fitting to the walls with supply of holder ats, clamps, fixing wooden plugs in walls, including testing of pipe line for water tightness complete as per IS specification including cost, conveyance and taxes of all materials all complete as per PH specification and direction of Engineer-in-		-	-	-
a	25 mm dia	R.mtr	368.50	20.00	7,370.00
b	32 mm dia	R.mtr	563.20	20.00	11,264.00
	40mm dia	R.mtr	732.10	20.00	14,642.00
15	Providing all materials, labour, Fitting & fixing of CPVC Ball Valve with CTS socket. Make: Prince)		0	0	-
α	25mm Dia	Nos	842.00	1.00	842.00
Ь	32mm Dia	Nos	1,589.00	1.00	1,589.00
С	40mm dia	Nos	2,391.00	1.00	2,391.00
16	Supplying all materials, labours, T&P for cutting holes through existing brickwork including making good the damages in cement mortar (1:4) for taking GI pipes and fittings/PVC pipes and fittings etc all complete as per PH specification and direction of Engineer-in-charge.		-	-	-
		Nos	55.80	2.00	111.60
17	Supplying all materials, labours, T&P for cutting holes through existing RCC floors & roofs including making good the damages for taking GI pipes and fittings/PVC pipes and fittings etc all complete as per PH specification and direction of Engineer-in-charge.		-	-	-
		Nos	167.40	2.00	334.80
		. 103	107.10	2.00	1 33 1.30

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
18	Supplyng all materials, labour, T&P for construction of brick masonary Gulley trap chamber of size300mm x 300mm with CI gulley trap, by Fly ash brick masonry in CM (1:4), CP (1:6) with 150mm x 150mm CI grating including labour and materials for fitting and fixing 100mm dia square mouth CI gully trap with supply of all jointing materials and encasing the gully trap with a block of CC (1:4:8) with 25mm size hard stone metal all complete with providing and fixing of 250mm x 250mm precast RCC cover slab including cost, conveyance, taxes of all materials to site complete as per the PH specification and direction of Engineer-in-charge.		-		
		Nos	3,599.00	2.00	7,198.00
19	Providing all materials labour, T&P for making grooves in bricks/stone masonary walls vertically or horizontally up to required depth and width in all floor for laying of pipes and fittings up to 50mm dia, testing the joints with required water pressure and making good the damages with cement concrete 1:2:4 with 12mm size h.g.c.b.chips and finished smooth with cement morter (1:4) to original shape including cost of all materials, curing, conveyance of all materials etc. all complete excluding GST as per specification & direction of Engineer-in-charge.		0.00	0.00	-
	F	Rmt	250.90	20.00	5,018.00
20	External PH Supplying all materials, labours, T&P and fitting and fixing of the following size of CPVC pipe confirming to IS 15778 certification mark with socket and screw joints in walls and floors including supplying of required number of fittings of approved make including cutting threads to pipes and pipes to length, including wastage, etc for fitting to the walls with supply of holder ats, clamps, fixing wooden plugs in walls, including testing of pipe line for water tightness complete as per IS specification including cost, conveyance and taxes of all materials all complete as per PH specification and direction of Engineer-in-		-	-	<u>-</u>
1	per rm specification and direction of Engineer-in-		1,153.60	10.00	11,536.00

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
21	Supplying all materials & labour, T&P and constructing brick masonary chamber for water sluice valve, single air valve & non return valve with Fly ash brick masonary in cement mortar (1:4) as per approved drawing and specification CC (1:4:8) with 4cm size hard granite metal on the bed, 12mm cement plaster (1:6) to inside and cement flush pointing (1:6) to outside surface with 100mm thick RCC M20 cover slab with 20mm hg chips using required quantity of tor steel, centring and shuttering to the slab and dismantling it after 31 days of casting, filling the outside cavity with excavated materials, watering, curing including cost, conveyance, taxes of all materials, labour charges for cutting, bending, binding and tying the grills in proper position etc all complete as per drawing, design and direction of Engineer-in-charge.		-	-	1
a	Chamber (0.75x0.75x0.7mtr)	Nos	9,784.00	1.00	9,784.00
			-	-	-
22	Supplying all materials, labour, T&P and fitting and fixing of double air valve of 50mm Dia confirming to the relevant IS specification and dimension including fixing it in position along the pipeline with supply of all required materials such as rubber insertion, nuts & bolts including cost of all materials, taxes, and duties, transportation charges from store to site etc all complete as per the direction of Engineer-in-charge.		-	-	-
		Nos	4,111.90	1.00	4,111.90
23	Supply, installation, testing and commissioning of automatic star delta control panel suitable for 2 HP pumpset including MS box fitted with main switch ,contactor, single phasing preventer, timer, selector switch, voltmetre, ammeter etc and connection with motor inside the sump with suitable cable etc complete as per the Direction of Engineer-in-charge. (Excluding power_supply)(MR)		-	-	-
		Set	14,500.00	1.00	14,500.00
	Septic Tank		-	-	-
24	Earth work in excavation in Hard rock by mechanical means (Hydraullic excavator)/ manual means overareas (exceeding 30 cm in depth, 1.5 m in width as well as 10sqm on plan) inculding disposal of excavated earth up to 50 m and lift upto 1.5m with all lead and lift including shoring, shuttering & dewatering (if required) with cost of all Labour, Labour cess ,Hire & Running charges of the water pumps, T & P required for the work complete as directed by the Engineer- in- charge.		-	-	-

Supplying and filling the Foundation & Plinth with clean coarse river sand of approved quality from approved quarry, laying in layers and exceeding 150mm thick, watering and ramming including cost, conveyance, royalty and taxes of all materials, cost of all labour, TAP etc. as required for the work complete as per direction of the Engineer-in-charge. CuM 848.00 2.73 2,315.04 Providing & laying cement concrete of prop. (1.4-8) In foundation bed and floors using 40mm nominal size down graded, screened, washed hard black crusher broken granite metal of approved quality & from approved quarry including laying in the layers not exceeding 100 mm thick etc. Providing and laying in position ready mixed M25 grade concrete work using cement content as per approved design mix etc. Providing and laying in position ready mixed M25 grade concrete work using cement content as per approved design mix etc. In concrete work using cement content as per approved design mix etc. In a foundation CuM 6.461.85 1.00 6.461.85 b RCC Wall Cutting, straightening coiled or bent up HVSD/TMT & Reinforcement Parse welding or jointing if necessary bending. Initiative, the graille as etc. Providing 12mm, thick cement plaster with cement mortar of mix (1:4) in all floors cement and with screened and washed sharp sand for mortar with neat cement punning finished smooth to brick/RCC walls after racking out the joints including watering and curion complete with cost. etc. Providing and laying of P.C.C. of 1:3.6 with 12 mm size hard granite metal in foundation trenches, under floors in line level including curing and romming etc. all On On-complete with cost. etc. Sqm 6,225.40 0.34 2,116.64 in paper washed and provide and laying of provide and laying of P.C.C. of 1:3.6 with 12 mm size hard granite metal in foundation trenches, under floors in line level including curing and romming etc. all On On-complete, with cost. etc. Sqm 6,225.40 0.34 2,116.64 in paper washed and provide and provide and laying of P.C.C. of 1:3.6 with 12 mm size hard granite	Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
coarse river sand of approved quality from approved quarry, loging in layers not exceeding 150mm thick, watering and ramming including costs, conveyance, royalty and taxes of all materials, cost of all labour, T&P etc., as required for the work complete as per direction of the Engineer-in-charge. Providing & Taying cement concrete of prop. (1489) in foundation bed and floors using 40mm nominal size down graded, screened, washed hard black crusher broken grantine metal of approved quality & from approved quarry including laying in the layers not exception 100 mm thick etc. Providing and laying in position ready mixed M25 grade concrete having compressive strength at 28 days test not esstand 250% a/g. am for reinforced cement concrete work using cement content as per approved design mix etc. a Foundation B RCC Wall Cutting straightening colled or bent up HYSD/TMT Reinfocement Bars welding or jointing if necessary bending, briding hying the quills as set cement punning finished smooth to brick/RCC walls after racking out the joints including watering and curina complete with cost etc. Providing 12mm, thick cement plaster with cement mortar of mix (14-4) in all floors cement and with screened and washed sharp sand for mortar with neat cement punning finished smooth to brick/RCC walls after racking out the joints including watering and curina complete with cost etc. Providing and laying of P.C.C. of 1:3:6 with 12 mm size hard granite metal in foundation trenches, under floors in line level including curing and ramning etc. all on the providing and laying of P.C.C. of 1:3:6 with 12 mm size hard granite metal in foundation trenches, under floors in line level including curing and ramning etc. all on the providing and laying of P.C.C. of 1:3:6 with 12 mm size hard granite metal in foundation trenches, under floors in the revel including uning and complete as per the direction of the Engineer-incharge. Sqm 37.90 12.18 461.62 30 in the revel including uning and complete as per the direction of the Engineer-inch	α	Earth work excavation beyond 1.50mtr depth	CuM	210.97	6.00	1,265.82
Providing A laying cement concrete of prop. (1.4-8) in foundation bed and floors using 40mm nominal size down graded, screened, washed hard black crusher broken granite metal of approved quality & from approved quarry including laying in the layers not exceeding 100 mm hick. Act. Providing and laying in position ready mixed M25 grade concrete having compressive strength at 28 days test not lessthan 250kg/sq.cm for reinforced cement concrete work using cement content as per approved design mix etc. A Foundation CuM 6,461.85 1.00 6,461.85 b RCC Wall CuM 7,283.30 2.03 14,785.10 c Slab CuM 12,878.80 1.00 12,878.80 1.00 12,878.80 CuM 12,878.80 1.00 12,878.80 1	25	coarse river sand of approved quality from approved quarry, laying in layers not exceeding 150mm thick, watering and ramming including cost, conveyance, royalty and taxes of all materials, cost of all labour, T&P etc. as required for the work complete as per		-	-	-
foundation bed and floors using 40mm nominal size down graded, screened, washed hard black crusher broken granite metal of approved quality & from approved quarry including laying in the layers not exceeding 100 mm thick etc. Providing and laying in position ready mixed M25 grade concrete having compressive strength at 28 days test not lessthan 250kg/sq.cm for reinforced cement concrete work using cement content as per approved desian mix etc. a Foundation CulM 7,283,30 2,03 14,785,10 CulM 7,283,30 2,03 2,03 14,785,10 CulM 7,283,3			CuM	848.00	2.73	2,315.04
concrete having compressive strength at 28 days test not lessthan 250kg/sq.cm for reinforced cement concrete work using cement content as per approved design mix etc. a Foundation	26	foundation bed and floors using 40mm nominal size down graded, screened, washed hard black crusher broken granite metal of approved quality & from approved quarry including laying in the layers not	CuM	5,118.30	0.75	3,838.73
a Foundation CuM 6,461.85 1.00 6,461.85 b RCC Wall CuM 7,283.30 2.03 14,785.10 c Slab Cutting, straightening coiled or bent up HYSD/TMT Reinfocement Bars welding or jointing if necessary bending, binding, tying the grills as etc Providing 12mm. thick cement plaster with cement mortar of mix (1:4) in all floors cement and with screened and washed sharp sand for mortar with neat cement punning finished smooth to brick/RCC walls after racking out the joints including watering and curina camplete with cost etc SqM 152.30 12.18 1,855.01 Providing and laying of P.C.C. of 1:3:6 with 12 mm size hard granite metal in foundation trenches, under floors in line level including curing and ramming etc. all complete as per the direction of the Engineer-in-charae. Sqm 6,225.40 0.34 2,116.64 Finishing walls with water proofing cement paint of approved shade on new work Two coat to give an even shade Sqm 37.90 12.18 461.62 Back filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20 cm in depth, consolidating each deposited layer by ramming and watering, lead upto 50 m and lift upto 1.5m. CuM 117.20 5.55 650.46	27	concrete having compressive strength at 28 days test not lessthan 250kg/sq.cm for reinforced cement concrete work using cement content as per approved		-	-	-
c Slab Cutting, straightening coiled or bent up HYSD/TMT Reinfocement Bars welding or jointing if necessary	α		CuM	6,461.85	1.00	6,461.85
Cutting, straightening coiled or bent up HYSD/TMT Reinfocement Bars welding or jointing if necessary bending, binding, tying the grills as etc Providing 12mm. thick cement plaster with cement mortar of mix (1:4) in all floors cement and with screened and washed sharp sand for mortar with neat cement punning finished smooth to brick/RCC walls after racking out the joints including watering and curina complete with cost etc Providing and laying of P.C.C. of 1:3:6 with 12 mm size hard granite metal in foundation trenches, under floors in line level including curing and ramming etc. all complete as per the direction of the Engineer-in- charae. Sqm 6,225.40 0.34 2,116.64 Finishing walls with water proofing cement paint of approved shade on new work Two coat to give an even shade Sqm 37.90 12.18 461.62 Back filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20 cm in depth, consolidating each deposited layer by ramming and watering, lead upto 50 m and lift upto 1.5m. Cum 117.20 5.55 650.46	Ь	RCC Wall	CuM	7,283.30	2.03	14,785.10
Reinfocement Bars welding or jointing if necessary bending, binding tying the grills as etc Providing 12mm. Thick cement plaster with cement mortar of mix (1:4) in all floors cement and with screened and washed sharp sand for mortar with neat cement punning finished smooth to brick/RCC walls after racking out the joints including watering and curina complete with cost etc. Providing and laying of P.C.C. of 1:3:6 with 12 mm size hard granite metal in foundation trenches, under floors in line level including curing and ramming etc. all complete as per the direction of the Engineer-incharae. Sqm 6,225.40 0.34 2,116.64 Finishing walls with water proofing cement paint of approved shade on new work Two coat to give an even shade Back filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20 cm in depth, consolidating each deposited layer by ramming and watering, lead upto 50 m and lift upto 1.5m. Cum 117.20 5.55 650.46	C		CuM	12,878.80	1.00	12,878.80
mortar of mix (1:4) in all floors cement and with screened and washed sharp sand for mortar with neat cement punning finished smooth to brick/RCC walls after racking out the joints including watering and curina complete with cost etc Providing and laying of P.C.C. of 1:3:6 with 12 mm size hard granite metal in foundation trenches, under floors in line level including curing and ramming etc. all complete as per the direction of the Engineer-in-charae. Sam 6,225.40 0.34 2,116.64 Finishing walls with water proofing cement paint of approved shade on new work Two coat to give an even shade Back filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20 cm in depth, consolidating each deposited layer by ramming and watering, lead upto 50 m and lift upto 1.5m. Cum 117.20 5.55 650.46	28	Reinfocement Bars welding or jointing if necessary	Qntl	8,861.00	3.60	31,899.60
Providing and laying of P.C.C. of 1:3:6 with 12 mm size hard granite metal in foundation trenches, under floors in line level including curing and ramming etc. all complete as per the direction of the Engineer-in- charae Sqm 6,225.40 0.34 2,116.64 Finishing walls with water proofing cement paint of approved shade on new work Two coat to give an even shade Sqm 37.90 12.18 461.62 Back filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20 cm in depth, consolidating each deposited layer by ramming and watering, lead upto 50 m and lift upto 1.5m. Cum 117.20 5.55 650.46	29	mortar of mix (1:4) in all floors cement and with screened and washed sharp sand for mortar with neat cement punning finished smooth to brick/RCC walls after racking out the joints including watering and	SaM	- 152 30	- 12 18	- 1 855 O1
Finishing walls with water proofing cement paint of approved shade on new work Two coat to give an even shade Sqm 37.90 12.18 461.62 Back filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20 cm in depth, consolidating each deposited layer by ramming and watering, lead upto 50 m and lift upto 1.5m. CuM 117.20 5.55 650.46	30	hard granite metal in foundation trenches, under floors in line level including curing and ramming etc. all complete as per the direction of the Engineer-in-	JqM			-
Finishing walls with water proofing cement paint of approved shade on new work Two coat to give an even shade Sqm 37.90 12.18 461.62 Back filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20 cm in depth, consolidating each deposited layer by ramming and watering, lead upto 50 m and lift upto 1.5m. CuM 117.20 5.55 650.46			Sqm	6,225.40	0.34	2,116.64
Back filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers 32 not exceeding 20 cm in depth, consolidating each deposited layer by ramming and watering, lead upto 50 m and lift upto 1.5m. CuM 117.20 5.55 650.46	31	approved shade on new work Two coat to give an even		-	-	-
CuM 117.20 5.55 650.46	32	in trenches, plinth, sides of foundations etc. in layers not exceeding 20 cm in depth, consolidating each deposited layer by ramming and watering, lead upto 50	Sqm	37.90	12.18	461.62
Soak Pit			CuM	117.20	5.55	650.46
		Soak Pit				<u>-</u>

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
33	Supplying and filling the Foundation & Plinth with clean coarse river sand of approved quality from approved quarry, laying in layers not exceeding 150mm thick, watering and ramming including cost, conveyance, royalty and taxes of all materials, cost of all labour, T&P etc. as required for the work complete as per direction of the Engineer-in-charge.		-	-	-
	an ection of the Engineer in charge.	CuM	848.00	1.00	848.00
	Providing & laying cement concrete of prop. (1:4:8) in	CuM	646.00	1.00	646.00
34	foundation bed and floors using 40mm nominal size down graded, screened, washed hard black crusher broken granite metal of approved quality & from approved quarry including laying in the layers not	CuM	5,118.30	0.62	3,173.35
35	exceeding 100 mm thick etc Providing and laying in position ready mixed M25 grade concrete having compressive strength at 28 days test not lessthan 250kg/sq.cm for reinforced cement concrete work using cement content as per approved design mix etc		-	-	-
α	Foundation	CuM	6,461.85	0.32	2,067.79
36	Providing 12mm. thick cement plaster with cement mortar of mix (1:4) in all floors cement and with screened and washed sharp sand for mortar with neat cement punning finished smooth to brick/RCC walls after racking out the joints including watering and curing complete with cost. etc.		-	-	-
		SqM	270.80	1.36	368.29
37	Providing and laying of P.C.C. of 1:3:6 with 12 mm size hard granite metal in foundation trenches, under floors in line level including curing and ramming etc. all complete as per the direction of the Engineer-incharge		0	0	-
	Criai ye	Sqm	8,377.30	0.62	5,193.93
38	Fly Ash Brick Masonry in cement mortar of mix (1:6) using Fly Ash bricks of size 25c.m x 12 c.m x 8 c.m in Foundation & Plinth having crushing strength not less than 75 kg per square c.m. with cement and screened & washed sharp sand for mortar after immersing the bricks for 6 (Six) hours in water before use in works with all necessary projections, splays cutting, circular moulding, corbelling, chamfering, watering and curing etc. including cost, coveyance, stacking, loading, unloading, royalties, all taxes, cost of all labour, Labour cess, scaffolding, sundries and T&P required for the works etc. complete in all respect as directed by the Engineer-in-charge.		-	-	-
		CuM	5,449.00	6.37	34,710.13

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
39	Supplying all materials, labour, T&P, fitting and fixing uPVC SWR pipes (Type-B)(Co-moulded Ring type) of approved make confirming to IS-13592/1992with ISI marked, both below & above ground level or fixing on wall surface in all floors including transportation & scaffolding etc. all complete as per specification excluding GST & direction of the Engineer-in-charge.		0	0	-
α	Pipe 110mm dia	R.Mtr	828.11	30.00	24,843.30
ь	110mm×110mm 'P' Trap (Make:Astral)	nos	494.00	2.00	988.00
С	110mm dia single 'Y' withoutdoor	nos	479.00	2.00	958.00
Ъ	110mm WC connector/Bend with lip ring	nos	360.00	2.00	720.00
e	110mm Socket plug	nos	180.00	2.00	360.00
f	Upvc Elbow	nos	786.00	2.00	1,572.00
40	Sinking of 200 mm x150mm size production well through DTH or combination drilling riges in hard rock area with PVC or GI casing pipes. 120mtr depth (1nos)	L.S	2,00,000.00	1.00	2,00,000.00
41	Supplying, fitting and fixing of Antiskid Ceramic Floor Tiles in flooring using special plain / printed series Ceramic Floor Tile of premium grade (having minimum thickness 7 mm to 8 mm & size 300 mm × 300 mm OR 600 mm ×600 mm, confirming to I.S 13755 of approved quality and shade in floors, treads on steps and landings on 25 m.m thick bed of cement mortar of mix (1:1) laid in proper slope and gradient with screened & washed sharp etc		-		-
	Ground floor	SqM	1,153.90	17.88	20,631.73
42	Supplying, fitting and fixing of ceramic glazed wall Tiles in skirting dado, risers of step and wall using special plain / printed series Ceramic wall Tile of premium grade (having minimum thickness 6.5 mm to 6.7 mm & size 300 mm × 300 mm OR 600mm ×300 mm,		-	-	-
	Ground floor	SqM	1,317.60	68.46	90,202.90
	TOTAL of internal PH WORK[I]				6,98,517.85
3	ELECTRICAL WORK				

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount .
1	Wiring for light point/ fan/ exhaust fan point/ call bell point with 1.5 sqmm FRLS PVC insulated copper conductor single core cable in surface / recessed 2 mm thick PVC conduit with modular switch and earthing the point with 1.5 sqmm FRLS PVC insulated copper conductor single core cable including providing modular box with cover of requisite number of modules including providing cover plates as required. Make Conduit:Norepack/Precision/AKG Wire-KEI/Havells/Finolex Switch/socket-Legrand				
a)	(myrius)/Panasonic(vision)/schneider(zencelo) Single light point controlled by one 6A switch or first light point of group control.	Each	785.00	20.00	15,700.00
b)	Subsequent point of group control	Each	515.00	4.00	2,060.00
2	Supplying and fixing two module steeped type electronic fan regulator with proper modular plate switch box including connections etc. as required. Switch/socket-Legrand (myrius)/Panasonic(vision)/schneider(zencelo)	Nos.	653.00	2.00	1,306.00
3	Supplying and fixing 6 Amp plug with 6 Amp switch (Modular Type) on existing board.	Nos.	356.00	8.00	2,848.00
4	Supplying and fixing including testing and commissioning of 6A modular socket outlet with 6 Amp switch including providing GI modular box with faceplate etc as required.		-	-	-
a)	1 nos 6 Amp 3-pin socket with 6 Amp switch.	Nos.	512.00	8.00	4,096.00
b)	2 nos 6 Amp 3-pin socket with 2 nos 6 Amp switch.	Nos.	909.00	6.00	5,454.00
5	Supply, installation, testing & commissioning of 6 / 16 Amp Plug Boards consisting of a 16 Amp clip-in type modular switch with indicator and a 6/16 Amp clip-in type modular socket fixed on metallic concealed box including interconnections and making good the damages caused complete as required and as per direction of Engineer-in-charge.		652.00	8.00	5,216.00
6	Supplying, installation, testing & commissioning of 25 amp modular socket outlet on surface or in recess, on 1 Nos two module GI box with plate for socket point and one nos two module GI Box with face plate for switch etc. complete as direction of Engineer-in-charge. As per Crabtree(cat no-ACTO202504) or equivalent of Learand/Schneider		1,330.15	4.00	5,320.60
7	Wiring for circuit/ submain wiring along with earth wire of following size of FRLS heavy gauge PVC insulated copper conductor single core cable in heavy duty PVC conduit laid in surface/ recess as required.		-	-	-
a)	2X2.5 + 1X2.5 sqmm FRLS Cu wire (for Light circuit wiring)	mtr	233.05	75.00	17,478.75

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
b)	double core 4 sq mm. copper wire for phase and neutral	mtr	386.00	20.00	7,720.00
c)	double core 6 sq mm. copper wire for phase and neutral	mtr	452.05	20.00	9,041.00
8	Supply, delivery and fixing of Ceiling fan hook box made out of 18 swg GI sheet and containing 10 mm dia round ms bar projecting atleast 150mm on either side & duly bent to accommodate ceiling fan down rod bolt & having earthing arrangement as per direction of Engineer-in-charge.	Nos.	150.00	10.00	1,500.00
9	36Watt LED Light fitting (3300 Lumen) for PHILIPS .(CAT No:RC365B LED33- 6500 PSU OD WH)/Equivalent of Halonix/Panasonic/crompton as required	Each	3,983.00	10.00	39,830.00
10	20Watt LED Surface/suspended Battern Linear Luminaire (2000 Lumen) PHILIPS (CAT No:WT150C LED20S-6500 PSE OD GR) / Equivalent of Halonix/Panasonic/crompton	Each	1,753.00	10.00	17,530.00
11	6Watt LED Light fitting (600 Lumen) PHILIPS (CAT No:DN191B LED6S-6500 PSU WH S1) / Equivalent ofHalonix/Panasonic/crompton	Each	1,231.00	4.00	4,924.00
12	Supplying, installation, testing and commissioning of ceiling fan (5 star rating) including wiring the down rod, earthing etc as required (Make : Bajaj/Usha/		-	-	-
(a)	Crompton/ Orient/ Khaitan/ Havells). 1200 mm sweep	Nos.	2,656.00	10.00	26,560.00
13	Supplying, installation, testing and commissioning of Exhaust fan / fresh air fan with louvre (Make - Bajaj/Usha/ Crompton/ Orient/ Khaitan/ Havells) as required.		-	-	-
a)	225 mm sweep fibre body fresh air fan	Nos.	1,753.00	2.00	3,506.00
14	Supplying, installation, testing and commissioning of Split Air Conditioner (Make -DAIKINI/VOLTAS/BLUE STAR/as required.	Nos.	55,000.00	4.00	2,20,000.00
15	Supplying and fixing following way, TP and neutral, sheet steel, MCB distribution board, IP-43,IK09 with metal door ,415 V, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCBOs/ISOLATORS) Make- Legrand(Ekinoxe3/siemens(Betaguard)/Schneider Acti9		-	-	-
a)	6 way, Double door	Nos.	4,631.00	2.00	9,262.00

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
16	Supplying and fixing following way, single pole and neutral, sheet steel, MCB distribution board, IP-43, IK-09, 240 V, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCBOS/ISOLATORS)		-		-
a)	12 way, Double door	Each	2,523.00	2.00	5,046.00
17	Supplying and fixing following rating RCBOs/ MCBs in the existing DB complete with connections, testing and commissioning etc. as required Make-Legrand/L&T/ABB		-		
c)	6 Amp to 32 Amp, 10 KA SP MCB (C-Curve)	Each	305.00	2.00	610.00
18	Supplying and fixing of following sizes of heavy gauge PVC conduit along with accessories in surface/recess including cutting the wall and making good the same in case of recessed conduit as required.		-	-	
a)	20 mm	mtr	52.00	100.00	5,200.00
19	Earthing with GI earth pipe 4.5 meter long,40mm dia incluiding accessories and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc with charcoal/coke and salt as required	Nos.	5,809.32	1.00	5,809.32
20	Providing and fixing 25 mm X 5mm GI strip on surface or in recess for connection etc as required.	Mtr	129.00	5.00	645.00
21	Providing and fixing 6 SWG GI wire on surface or in recess for loop earthing along with surface/recessed MS Conduit/submain wiring/cables etc as required.	Mtr	37.00	5.00	185.00
	Total Chadried Amount		-	-	4 17 047 77
	Total Electrical Amount		-	-	4,16,847.67
4	FIRE FIGHTING SYSTEM		_	-	
			-	-	
1	Supplying installation testing and commissioning of ABC type fire extinguishers of 6 kg capacity confirming to IS:14609 & ABC powder confirming IS:13849 presurized with Nitrozen Gas marked.including cost of all material & labour for all floors & service building etc. all complete. Make-KANEX/FIRE SHILD /SAFEX or equivalent	Nos	3,264.00	2.00	6,528.00

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
2	Supplying, installation, testing and commissioning of CO_2 type Fire Extinguisher 4.5 kg capacity confirming to IS: 2878 made from ISI marked seamless cylinder confirming to IS: 7285, fitted with ISI marked controlled valve confirming to IS: 3224, high pressure 1mtr discharge hose & horn complete with initial gas charged with carrying handle & wall mounting bracket for all floors & service building etc. as per direction of Engineer-in-charge.Make-KANEX/FIRE SHILD /SAFEX or equivalentor equivalent	Nos	7,700.00	2.00	15,400.00
3	Supplying, installation, testing and commissioning of Mechanical Foam type 9 litre capacity Fire Extinguisher, ISI marked, IS: 10204, containing 540 ml AFFF liquid ISI marked, IS: 4989 Part II and a polyurethane coated CO2 Gas Cartridge, ISI marked, IS: 4947 complete with gunmetal union cap, nylon hose with plastic foam making branch and wall mounting bracket as per direction of Engineer-in-charge.	Each	3,659.00	2.00	7,318.00
4	Sand Buket as per IS Specicification	Each	500.00	3.00	1,500.00
5	Buket Stand to Store 10 nos of Buket also having Aluminium sheet above the to prevent the stand from rain/sunst.	Nos	2,820.00	1.00	2,820.00
	Total Fire Fighting Amount				33,566.00

TENDER FOR CONSTRUCTION OF MULTI-PURPOSE CENTRE (MPC) AT VARIOUS LOCATIONS FOR DISTRICT OF RAYAGADA, ODISHA (2nd Call)

NIT No: PCO/BBSR/980/200 Date- 26.09.2024

CONSTRUCTION OF MULTI-PURPOSE CENTRE (MPC) AT SERGIPAI, MUNIKHOL, MUNIGUDA IN THE DISTRICT OF RAYAGADA

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
	Architectural Consultancy Services	Lot	54706.97	1	54706.97
	Sub Total				54706.97
1	CIVIL WORKS				
Α	EARTH WORK				
	Earth work in stoney earth and gravels mixed with				
	stone and boulder not exceeding 0.014 cum in volume				
	within 50m initial lead and 1.5m initial lift including				
1	rough dressing and breaking clods to maximum 5cm to				
	7cm and laying in layer not exceeding 0.3m in depth and				
	as per specification approved by the dept.				
i	Ordinary Soil	CuM	210.97	203.50	42,932.40
ii	Soft Rock	CuM	329.01	51.15	16,828.86
iii	Hard Rock	CuM	2,726.10	2.56	6,978.82
	Supplying & Filling foundation trenches , plinth &				
	ditches with clean course river sand well watered and		848.00	193.64	
	rammed in layers not exceeding 23 c.m. in depth with all				
2	lead and lift including cost, conveyance, loading,				1 / 4 20/ 72
4	unloading, stacking, royalties and all taxes of sand, cost	CuM			1,64,206.72
	& conveyance of water, cost of all Labour,labour				
	cess,T&P required for the work etc. complete in all				
	respect as directed by the Engineer- in -charge.				
	Back filling available excavated earth (excluding rock)				
	in trenches, plinth, sides of foundations etc. in layers				
3	not exceeding 20 cm in depth, consolidating each	CuM	117.20	34.20	4,008.24
	deposited layer by ramming and watering, lead upto 50				
	m and lift upto 1.5m. Making plinth protection 150 mm thick of cement				
	concrete 1:3:6 (1 cement: 3 coarse sand: 6 graded				
4	stone aggregate 20 mm nominal size) over 75mm thick bed of dry brick ballast 40 mm nominal size, well		-	-	-
	rammed and consolidated and grouted with fine sand,				
	lincluding finishing the top smooth				
	Inicialing Initialing the Top Silloom	SqM	2,397.30	51.75	1,24,060.28
В	PLAIN & REINFORCEMENT CONCRETE		-	-	-

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
	Providing and laying P.C.C[1:4:8] using 4cm size metal				
	etc in foundation and floors using cement , 40 mm size				
	crusher broken H.G.Metal and screened and washed				
1	sharp river sand for mortar of approved quality and	CuM	5,156.20	34.35	1,77,115.47
	from approved quarry including hoisting ,lowering and				
	laying concrete to the required level, ramming				
	,watering and curing etc				
	Providing and laying in position ready mixed M25 grade				
	concrete having compressive strength at 28 days test				
	not lessthan 250kg/sq.cm for reinforced cement				
2	concrete work using cement content as per approved		-	-	-
	design mix etc including Rigid & smooth centering and				
	shuttering.				
	For R.C.C foundation, footing bases of column, mass	CuM	6,497.35	68.94	A A7 027 21
a	concrete, pre-cast etc.	CuM	0,497.30	00.94	4,47,927.31
Ь	For R.C.C plinth band etc.	CuM	7,318.80	11.96	87,532.85
С	R.C.C Beam & Coloum		-	-	-
i	Ground Floor	CuM	14,321.30	26.87	3,84,813.33
d	Lintel		-	-	-
i	Ground Floor	CuM	13,600.30	3.38	45,969.01
f	Chaja		-	_	-
i	Ground Floor	Sqm	1,128.67	12.15	13,713.34
9	Roof slab, Landing, Balcony,		-	-	-
i	Ground Floor Cutting ,Straightening coiled or bend up HYSD/TMT	CuM	12,914.30	27.43	3,54,239.25
3	Reinforcement bars welding or jointing if necessary ,				
٦	bending ,tying the grills as required for R.C.C works		-	-	-
	etcwinding wire extra				
а	Foundation	Qntl	8,861.00	45.88	4,06,542.68
b	Ground floor	Qntl	8,861.00	72.87	6,45,701.07
С	BRICK WORK		-	-	-
	Fly Ash Brick Masonry in cement mortar of mix				
	(1:6) using Fly Ash bricks of size $25c.m \times 11 c.m \times 8$				
	c.m in Foundation & Plinth having crushing strength				
	not less than 75 kg per square c.m. with cement and				
	screened & washed sharp sand for mortar after				
	immersing the bricks for 6 (Six) hours in water				
1	before use in works with all necessary projections,		-	-	-
	splays cutting, circular moulding, corbelling, chamfering, watering and curing etc. including cost,				
	coveyance,stacking, loading, unloading, royalties , all				
	taxes ,cost of all labour,Labour cess ,scaffolding,				
	sundries and T&P required for the works etc. complete				
	in all respect as directed by the Engineer-in-charge.				
	Foundation and Plinth	CuM	5,145.00	19.46	1,00,121.70
	ו סעוועמווסוו מווע דווווווו	CuM	5,145.00	17.40	1,00,121./0

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
2	Fly Ash Brick Masonry in cement mortar of mix (1:6) using Fly Ash bricks of size 25c.m x 11 c.m x 8 c.m in superstructure having crushing strength not less than 75 kg per square c.m. with cement and screened & washed sharp sand for mortar after immersing the bricks for 6 (Six) hours in water before use in works with all necessary projections, splays cutting, circular moulding, corbelling, chamfering, watering and curing etc. including cost, coveyance, stacking, loading, unloading, royalties, all taxes, cost of all labour, Labour cess, scaffolding, sundries and T&P required for the works etc. complete in all respect as directed by the Engineer-in-charge.		-)	-
а	Ground Floor	CuM	5,178.00	66.30	3,43,301.40
3	Fly Ash Brick masonry in cement mortar of mix [1:4] using Fly Ash bricks of size 25cm12cmx8cm in superstructure having crushing strength not less than 75 kg /m2 etc[Half Brick work]		-	-	-
а	Ground Floor	CuM	5,458.00	1.05	5,730.90
D	PLASTERING & PAINTING		-	-	<u>-</u>
	FLASIERING & FAINTING		-		
1	Providing 12mm. Thick cement plaster in cement mortar or mix(1:6) in all floors at all height with cement & screened and washed sharp river sand for mortar and finished smooth to the rough surface of the brick masonary walls after racking out the joints (alongwith providing grooves wherever necessary) including watering and curing, rounding of corners etc. complete with cost, conveyance, loading, unloading, royalities and taxes of all materials, cost of all labour, T&P, sundries and scaffolding required for the work etc. as directed by the Engineer-in- charge.		-	-	-
а	Ground floor	SqM	152.30	347.49	52,922.73
2	Providing 16mm. Thick cement plaster in cement mortar or mix(1:6) in all floors at all height with cement & screened and washed sharp river sand for mortar and finished smooth to the rough surface of the brick masonary walls after racking out the joints (alongwith providing grooves wherever necessary)including watering and curing, rounding of corners etc. complete with cost, conveyance, loading, unloading, royalities and taxes of all materials, cost of all labour, T&P, sundries and scaffolding required for the work etc. as directed by the Engineer-in- charge.		-	-	-
a	Ground floor	SqM	217.90	368.30	80,252.57

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
3	Finishing wall surface of wall with cement based wall putty [water based] of approved make and finished smooth and even surface to receive painting including cost etc		-	-	-
а	Ground Floor	SqM	81.61	924.15	75,419.88
4	Providing and applying 2 coats with 100% acrylic emulsion paint on New surface including one coat of primer (exterior quality) of approved make & shade by reputed manufacturer to make an even finished surface over a coat of primer with water bound cement primer in all heights with all scaffolding and staging charges including cost, conveyance, taxes of all materials, cost of all labours, T&P, sundries etc. as required for the work complete.		-		-
α	Ground floor	SqM	150.10	368.30	55,281.83
5	Supplying and painting of internal walls and ceiling with two or more coats of ACRYLIC emulsion paint on New surface which includes a coat of primer all complete. The shade and brand to be of approved brand & shade over the surfaces including preparation of surface, with cost of all materials, labour, conveyance taxes of all materials, scaffolding etc., as per the direction of the Engineer-in-charge.		-	-	-
а	Ground floor	SqM	149.30	555.86	82,989.90
6	Painting with synthetic enamel paint over a coat of primer of approved colour, shade and brand on New wood work /steel work in two or more coats as required to give an even shade including an under coat of suitable primer of approved brand and manufacturer including cost of all materials with taxes and transportation, loading, unloading, scaffolding, all labour, Labour cess, sundries, T&P, etc. complete as per the direction of the Engineer-in-charge including filling gaps with putties, scrapping, sand papering and cleaning the surface to make free from rusts, dusts and oily substances before applying primer etc.		-	-	-
α	Ground floor	sqm	216.80	25.20	5,463.36
_	ELOODING		-	-	-
1	FLOORING A. S flooring under layer of 25mm thick C.C. (1:2:4) with 12mm ize granite chips and top layer of 6mm thick plaster cement red oxide mix using 3.5kg or red oxide per 50 kg of cement 1:3 finished with a floating coat of cement and Red oxide mix of same proportion.		-	-	-
α	Ground floor	SqM	431.00	162.84	70,184.04

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
2	12mm thick cement plaster in CM(1:4) with cement punning for skirting & Dados including all cost. complete with cost, conveyance, royality of all materials and labour with T&P required for the work with royalities, taxes etc.complete in all floors as per direction of Fnaineer-in-charge.	SqM	174.10	20.57	3,581.24
F	DOOR & WINDOW		-	-	-
1	Providing and fixing unplasticised poly vinyl chloride (UPVC) door in cluding all fittings and cost, conveyance of all materials, labours and T&P required for the work etc, all complete as per direction of engineer in charge.	Sqm	8,963.00	3.15	28,233.45
2	Providing and fixing 30 mm thick factory made single extruded WPC (Wood polymer composite) solid plain flush door shutter of required size fixing with stainless steel butt hinges of required size with necessary full body threaded star headed counter sunk S.S screws, all complete as per direction of engineer in	Sqm	4,424.00	15.75	69,678.00
3	Supplying, fitting, fixing up window (sliding type) made up aluminum Section 9778 as windows frame, section No. 4095, 4096 and 9777, 3994 as shutter frame with rubber beading including locking arrangement including all fitting including cost of materials all taxes labour, T&P etc. complete as per direction of Engineer-incharge. including cost of frosted glass & SS mosquito net.	Sqm	7,648.40	24.30	1,85,856.12
G	STEEL WORK		-	-	-
			-	-	-

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
1	Supplying, fitting and fixing of M.S grills, grill gates with top and bottom rails, (as per I.S. specification and as per approved drawings) in proper position in all floors and at all height including making holes to brick walls/ R.C.C structure/wood work etc. and making good to the damaged walls/ structures with cement concrete (1:2:4) with black hard crusher broken granite stone chips of 12mm to 20mm size (20mm size not to exceeds 25%) including watering and curing including cost, conveyance, loading, unloading, stacking, royalties and taxes of all materials, cost of all Labour, Labour cess, Sundries, T&P required for the work etc.complete as per the direction of Engineer in charge (W.I. / M.S. windows grills, grill gates, collapsible gates with top and bottom rails, steel windows, steel doors, steel frames for doors and windows, staircase and parapet railings square bar along with required nos. of nails and screws and other required materials of approved quality and approved size shall be supplied by the contractor at his own cost.)	KG	89.50	864.00	77,328.00
2	Supplying, fitting and fixing of Stainless steel of 304 grade in hand railing using 50mm dia of 2mm thick circular pipe with balustrade of size 32mmx32mmx2mm @ 0.90mtr.C/C and stainless square pipe bracing of size 32mmx32mmx2mm in 3 rows in stair case as per approved design and specification ,buffing, polishing etc with cost,conveyance,taxes of all materials, labour, T & P etc. requird for the complete in all respect.	Rmt	3,524.00	22.50	79,290.00
			-	-	-
1	Grading plaster 2.5 cm thick grading Plaster (1:4) on roof slab with 6mm size HG chips including all cost, conveyance, royalty & taxes etc.comp.to work site for new work as per the specification approved by the department & direction of E.I.C	sqm	387.30	215.00	83,269.50
	TOTAL CIVIL WORK				43,21,474.25
					,=2,20
2	PLUMBING AND SANITARY WORK				
	INTERNAL PH WORKS				

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
1	Supplying all materials, labour and T&P for fitting and fixing white glazed vitreous china porcelain Indian Pan water closet of size 23" of approved make confirming to IS-2556 and top inlet for sinking into floor with 100mm PVC 'P' trap etc. including supply of necessary cement concrete for fitting the closet etc. complete in all respect in all floors including cost, conveyance and taxes of all materials etc. complete and as per PH specification and direction of Engineer-in-charge.				
		Nos	5,621.21	2.00	11,242.42
2	Supplying all materials, labour and T&P for fitting and fixing white glazed vitreous china porcelain flat back urinal pan of approved make confirming to IS-2556 and top inlet for sinking into floor with 100mm PVC 'P' trap etc. including supply of necessary cement concrete for fitting the closet etc. complete in all respect in all floors including cost, conveyance and taxes of all materials etc. complete and as per PH specification and direction of Engineer-in-charge including marble partition in between urinals.		-	-	-
	 Supplying all materials, labour, T&P and fixing standard	Nos	12,288.40	2.00	24,576.80
3	sized shower (bath shower) of approved make etc complete including cutting the wall and making good the damages, including cost of all materials complete as per PH specification and direction of Engineering-incharge.		-	-	-
		Nos	993.00	2.00	1,986.00
4	fixing white glazed vitreous china porcelain wash basin of size 450mm × 300mm of approved make confirming to IS-2556 and top inlet for sinking into floor with 100mm PVC 'P' trap etc. including supply of necessary cement concrete for fitting the closet etc. complete in all respect in all floors including cost, conveyance and taxes of all materials etc. complete and as per PH specification and direction of Engineer-in-charge	No	0.150.40	-	
		Nos	9,150.40	4.00	36,601.60
5	Supplying all materials, labour, T&P and fixing standard sized CP Bib cock of approved make etc complete including cutting the wall and making good the damages, including cost of all materials complete as per PH specification and direction of Engineering-in-charge.		-	-	-
		Nos	1,873.00	4.00	7,492.00

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
6	Supplying all materials, labour, T&P and fixing standard sized 15mm dia Angular Stop cock of approved make etc complete including cutting the wall and making good the damages, including cost of all materials complete as per PH specification and direction of Engineering-incharge.		-	-	-
	onal do.	Nos	1,158.40	4.00	4,633.60
7	Supplying all materials, labour, T&P and fixing standard 15mm sized pillar cock of approved make etc complete including cutting the wall and making good the damages, including cost of all materials complete as per PH specification and direction of Engineering-in-charge.		-	-	-
		Nos	1,626.00	4.00	6,504.00
8	Supplying all materials, labour, T&P and fixing standard sized Long body 15mm dia CP Bib cock of approved make etc complete including cutting the wall and making good the damages, including cost of all materials complete as per PH specification and direction of Engineering-in- charge.	Nos	2,107.00	4.00	8,428.00
	To Delice		-	-	-
9	Supplying all materials, labour, T&P and fixing standard sized two way CP Bib cock of approved make etc complete including cutting the wall and making good the damages, including cost of all materials complete as per PH specification and direction of Engineering-in-charge.	Nos	1,873.40	2.00	3,746.80
10	Supplying all materials, labour, T&P and fixing standard sized shower (Health Faucet) of approved make etc complete including cutting the wall and making good the damages, including cost of all materials complete as per PH specification and direction of Engineering-incharge.	Nos	993.00	2.00	1,986.00
11	Supplying all materials, labour, T&P and fixing standard sized Chromium Plated brass towel rail complete with Chromium Plated brass brackets fixed to wooden plugs with Chromium Plated brass screws as per specification and direction of the Engineer in charge	Nos	1,369.70	- 2.00	2,739.40
	Finite (00.4F0h. II. I. I. I. I. I. I.	1405	1,309./0	2.00	2,739.40
12	Fixing 600x450mm bevelled edge mirror of superior glass mounted on 6mm thick A.C sheet or plywood sheet and fixed to wooden plugs with Chromium Plated brass screws and washers complete as per specification and direction of the Engineer in charge		-	-	-
		NOS	1,841.80	4.00	7,367.20

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
13	Supplying all materials, labour, T&P and fittings and fixing of Poly Propelene white double layer water storage Tank of approved make confirming to IS 12701-1996 including cutting holes through the tank and fixing mild steel tubes and fittings and providing extra sockets and jam nuts, fixing ball valve etc including hoisting upto terrace level and placing the tank to the required position etc all complete as per PH specification and direction of Engineer-in-charge. (To provided with brick masonary guard walls which will be paid separately)	l	-	-	-
α	2000 ltr	Nos	25,364.70	1.00	25,364.70
			-	-	-
14	Supplying all materials, labours, T&P and fitting and fixing of the following size of CPVC pipe confirming to IS 15778 certification mark with socket and screw joints in walls and floors including supplying of required number of fittings of approved make including cutting threads to pipes and pipes to length, including wastage, etc for fitting to the walls with supply of holder ats, clamps, fixing wooden plugs in walls, including testing of pipe line for water tightness complete as per IS specification including cost, conveyance and taxes of all materials all complete as per PH specification and direction of Engineer-in-		-	-	-
a	25 mm dia	R.mtr	368.50	20.00	7,370.00
b	32 mm dia	R.mtr	563.20	20.00	11,264.00
	40mm dia	R.mtr	732.10	20.00	14,642.00
15	Providing all materials, labour, Fitting & fixing of CPVC Ball Valve with CTS socket. Make: Prince)		0	0	-
α	25mm Dia	Nos	842.00	1.00	842.00
Ь	32mm Dia	Nos	1,589.00	1.00	1,589.00
С	40mm dia	Nos	2,391.00	1.00	2,391.00
16	Supplying all materials, labours, T&P for cutting holes through existing brickwork including making good the damages in cement mortar (1:4) for taking GI pipes and fittings/PVC pipes and fittings etc all complete as per PH specification and direction of Engineer-in-charge.		-	-	-
		Nos	55.80	2.00	111.60
17	Supplying all materials, labours, T&P for cutting holes through existing RCC floors & roofs including making good the damages for taking GI pipes and fittings/PVC pipes and fittings etc all complete as per PH specification and direction of Engineer-in-charge.		-	-	-
		Nos	167.40	2.00	334.80
		. 103	107.10	2.00	1 33 1.30

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
18	Supplyng all materials, labour, T&P for construction of brick masonary Gulley trap chamber of size300mm x 300mm with CI gulley trap, by Fly ash brick masonry in CM (1:4), CP (1:6) with 150mm x 150mm CI grating including labour and materials for fitting and fixing 100mm dia square mouth CI gully trap with supply of all jointing materials and encasing the gully trap with a block of CC (1:4:8) with 25mm size hard stone metal all complete with providing and fixing of 250mm x 250mm precast RCC cover slab including cost, conveyance, taxes of all materials to site complete as per the PH specification and direction of Engineer-in-charge.		-	-	-
		Nos	3,604.00	2.00	7,208.00
19	Providing all materials labour, T&P for making grooves in bricks/stone masonary walls vertically or horizontally up to required depth and width in all floor for laying of pipes and fittings up to 50mm dia, testing the joints with required water pressure and making good the damages with cement concrete 1:2:4 with 12mm size h.g.c.b.chips and finished smooth with cement morter (1:4) to original shape including cost of all materials, curing, conveyance of all materials etc. all complete excluding GST as per specification & direction of Engineer-in-charge.		0.00	0.00	-
		Rmt	251.60	20.00	5,032.00
20	External PH Supplying all materials, labours, T&P and fitting and fixing of the following size of CPVC pipe confirming to IS 15778 certification mark with socket and screw joints in walls and floors including supplying of required number of fittings of approved make including cutting threads to pipes and pipes to length, including wastage, etc for fitting to the walls with supply of holder ats, clamps, fixing wooden plugs in walls, including testing of pipe line for water tightness complete as per IS specification including cost, conveyance and taxes of all materials all complete as per PH specification and direction of Engineer-in-		-	-	<u>-</u>
α	50mm dia	Rmt	1,153.60	10.00	11,536.00

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
21	Supplying all materials & labour, T&P and constructing brick masonary chamber for water sluice valve, single air valve & non return valve with Fly ash brick masonary in cement mortar (1:4) as per approved drawing and specification CC (1:4:8) with 4cm size hard granite metal on the bed, 12mm cement plaster (1:6) to inside and cement flush pointing (1:6) to outside surface with 100mm thick RCC M20 cover slab with 20mm hg chips using required quantity of tor steel, centring and shuttering to the slab and dismantling it after 31 days of casting, filling the outside cavity with excavated materials, watering, curing including cost, conveyance, taxes of all materials, labour charges for cutting, bending, binding and tying the grills in proper position etc all complete as per drawing, design and direction of Engineer-in- charge.		1	-	-
a	Chamber (0.75x0.75x0.7mtr)	Nos	9,799.00	1.00	9,799.00
22	Supplying all materials, labour, T&P and fitting and fixing of double air valve of 50mm Dia confirming to the relevant IS specification and dimension including fixing it in position along the pipeline with supply of all required materials such as rubber insertion, nuts & bolts including cost of all materials, taxes, and duties, transportation charges from store to site etc all complete as per the direction of Engineer-in-charge.	Nos	4,111.90	1.00	- 4,111.90
23	Supply, installation, testing and commissioning of automatic star delta control panel suitable for 2 HP pumpset including MS box fitted with main switch ,contactor, single phasing preventer, timer, selector switch, voltmetre, ammeter etc and connection with motor inside the sump with suitable cable etc complete as per the Direction of Engineer-in-charge. (Excluding power supply)(MR)		-	-	-
	Cantia Taul	Set	14,500.00	1.00	14,500.00
24	Septic Tank Earth work in excavation in Hard rock by mechanical means (Hydraullic excavator)/ manual means overareas (exceeding 30 cm in depth, 1.5 m in width as well as 10sqm on plan) inculding disposal of excavated earth up to 50 m and lift upto 1.5m with all lead and lift including shoring, shuttering & dewatering (if required) with cost of all Labour, Labour cess ,Hire & Running charges of the water pumps, T & P required for the work complete as directed by the Engineer- in- charge.		<u>-</u>	<u>-</u>	-

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
α	Earth work excavation beyond 1.50mtr depth	CuM	210.97	6.00	1,265.82
25	Supplying and filling the Foundation & Plinth with clean coarse river sand of approved quality from approved quarry, laying in layers not exceeding 150mm thick, watering and ramming including cost, conveyance, royalty and taxes of all materials, cost of all labour, T&P etc. as required for the work complete as per direction of the Engineer-in-charge.		-	-	-
		CuM	848.00	2.73	2,315.04
26	Providing & laying cement concrete of prop. (1:4:8) in foundation bed and floors using 40mm nominal size down graded, screened, washed hard black crusher broken granite metal of approved quality & from approved quarry including laying in the layers not exceeding 100 mm thick etc. Providing and laying in position ready mixed M25 grade	CuM	5,156.20	0.75	3,867.15
27	concrete having compressive strength at 28 days test not lessthan 250kg/sq.cm for reinforced cement concrete work using cement content as per approved design mix etc		-	-	-
α	Foundation	CuM	6,497.35	1.00	6,497.35
Ь	RCC Wall	CuM	7,318.80	2.03	14,857.16
C	Slab	CuM	12,914.30	1.00	12,914.30
28	Cutting,straightening coiled or bent up HYSD/TMT Reinfocement Bars welding or jointing if necessary bending binding tying the grills as etc	Qntl	8,861.00	3.60	31,899.60
29	bending, binding, tying the grills as etc Providing 12mm. thick cement plaster with cement mortar of mix (1:4) in all floors cement and with screened and washed sharp sand for mortar with neat cement punning finished smooth to brick/RCC walls after racking out the joints including watering and curina complete with cost etc	SqM	152.30	12.18	1,855.01
30	Providing and laying of P.C.C. of 1:3:6 with 12 mm size hard granite metal in foundation trenches, under floors in line level including curing and ramming etc. all complete as per the direction of the Engineer-in-charge	JqM	0	0	-
		Sqm	6,263.20	0.34	2,129.49
31	Finishing walls with water proofing cement paint of approved shade on new work Two coat to give an even shade		-	-	-
32	Back filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20 cm in depth, consolidating each deposited layer by ramming and watering, lead upto 50 m and lift upto 1.5m.	Sqm	37.90	12.18	461.62
		CuM	117.20	5.55	650.46
	Soak Pit		-	-	-

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
33	Supplying and filling the Foundation & Plinth with clean coarse river sand of approved quality from approved quarry, laying in layers not exceeding 150mm thick, watering and ramming including cost, conveyance, royalty and taxes of all materials, cost of all labour, T&P etc. as required for the work complete as per direction of the Engineer-in-charge.		-	-	-
	an ection of the Engineer-in-charge.	CuM	949.00	1.00	9.49.00
	Providing & laying cement concrete of prop. (1:4:8) in	CuM	848.00	1.00	848.00
34	foundation bed and floors using 40mm nominal size down graded, screened, washed hard black crusher broken granite metal of approved quality & from approved quarry including laying in the layers not	CuM	5,156.20	0.62	3,196.84
35	exceeding 100 mm thick etc Providing and laying in position ready mixed M25 grade concrete having compressive strength at 28 days test not lessthan 250kg/sq.cm for reinforced cement concrete work using cement content as per approved design mix etc		-	-	-
α	Foundation	CuM	6,497.35	0.32	2,079.15
36	Providing 12mm. thick cement plaster with cement mortar of mix (1:4) in all floors cement and with screened and washed sharp sand for mortar with neat cement punning finished smooth to brick/RCC walls after racking out the joints including watering and curing complete with cost. etc.		-	-	<u>-</u>
		SqM	270.80	1.36	368.29
37	Providing and laying of P.C.C. of 1:3:6 with 12 mm size hard granite metal in foundation trenches, under floors in line level including curing and ramming etc. all complete as per the direction of the Engineer-incharge		O	0	-
	charde	Sqm	8,415.20	0.62	5,217.42
38	Fly Ash Brick Masonry in cement mortar of mix (1:6) using Fly Ash bricks of size 25c.m x 12 c.m x 8 c.m in Foundation & Plinth having crushing strength not less than 75 kg per square c.m. with cement and screened & washed sharp sand for mortar after immersing the bricks for 6 (Six) hours in water before use in works with all necessary projections, splays cutting, circular moulding, corbelling, chamfering, watering and curing etc. including cost, coveyance, stacking, loading, unloading, royalties, all taxes, cost of all labour, Labour cess, scaffolding, sundries and T&P required for the works etc. complete in all respect as directed by the Engineer-in-charge.		-	-	-
		CuM	5,449.00	6.37	34,710.13

a Pipe 1: b 110mm c 110mm d 110mm f Upvc I Sinkin 40 throug area w Supply Tiles Ceram thickr 41 600 m I.S 13 treads cemer gradie Groun Supply Tiles 42 specia	plying all materials, labour, T&P, fitting and fixing C SWR pipes (Type-B)(Co-moulded Ring type) of roved make confirming to IS-13592/1992with ISI rked, both below & above ground level or fixing on surface in all floors including transportation & ffolding etc. all complete as per specification luding GST & direction of the Engineer-in-charge.				
b 110mm c 110mm d 110mm e 110mm f Upvc I Sinkin 40 throug area w Supply Tiles Ceram thickr 41 600 m I.S 13 treads cemer gradie Groun Supply Tiles 42 special			0	0	-
c 110mm d 110mm e 110mm f Upvc I Sinkin 40 through area w Supply Tiles Ceram thickr 41 600 m I.S 13 treads cemer gradie Groun Supply Tiles 42 special premie	2 110mm dia	R.Mtr	828.11	30.00	24,843.30
d 110mm e 110mm f Upvc I Sinkin 40 through area w Supply Tiles Ceram thickr 41 600 m I.S 13 treads cemer gradie Groun Supply Tiles 42 special premis	mm×110mm 'P' Trap (Make:Astral)	nos	494.00	2.00	988.00
e 110mm f Upvc I Sinkin 40 through area w Supply Tiles Ceram thickr 41 600 m I.S 13 treads cemer gradie Groun Supply Tiles i special premie	mm dia single 'Y' withoutdoor	nos	479.00	2.00	958.00
f Upvc I Sinkin 40 through area w Supply Tiles Ceram thickr 41 600 m I.S 13 treads cemer gradie Groun Supply Tiles special premis	mm WC connector/Bend with lip ring	nos	360.00	2.00	720.00
Sinkin through area w Supply Tiles Ceram thickr 41 600 m I.S 13 treads cemer gradie Groun Supply Tiles 42 special premis	mm Socket plug	nos	180.00	2.00	360.00
40 through area with supply Tiles Ceram thickr 41 600 m I.S 13 treads cemer gradie Groun Supply Tiles is special premie	vc Elbow	nos	786.00	2.00	1,572.00
Tiles Ceram thickr 41 600 m I.S 13 treads cemer gradie Groun Supply Tiles 42 special	king of 200 mm x150mm size production well ough DTH or combination drilling riges in hard rock a with PVC or GI casing pipes. 120mtr depth (1nos)	L.S	2,00,000.00	1.00	2,00,000.00
Supply Tiles is special premium premiu	oplying, fitting and fixing of Antiskid Ceramic Floor is in flooring using special plain / printed series amic Floor Tile of premium grade (having minimum ckness 7 mm to 8 mm & size 300 mm × 300 mm OR 0 mm × 600 mm, confirming to 13755 of approved quality and shade in floors, and so n steps and landings on 25 m.m thick bed of ment mortar of mix (1:1) laid in proper slope and dient with screened & washed sharp etc		-	-	-
Tiles in special premium premi	und floor	SqM	1,153.90	17.88	20,631.73
6.7 mi	plying, fitting and fixing of ceramic glazed wall in skirting dado,risers of step and wall using cial plain / printed series Ceramic wall Tile of mium grade (having minimum thickness 6.5 mm to mm & size 300 mm × 300 mm OR 600mm ×300 mm,		-	-	-
Groun	und floor	SqM	1,317.60	68.46	90,202.90
TOTA	TAL of internal PH WORK[I]				6,98,808.58
3					

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount .
1	Wiring for light point/ fan/ exhaust fan point/ call bell point with 1.5 sqmm FRLS PVC insulated copper conductor single core cable in surface / recessed 2 mm thick PVC conduit with modular switch and earthing the point with 1.5 sqmm FRLS PVC insulated copper conductor single core cable including providing modular box with cover of requisite number of modules including providing cover plates as required. Make Conduit:Norepack/Precision/AKG Wire-KEI/Havells/Finolex Switch/socket-Legrand (myrius)/Panasonic(vision)/schneider(zencelo)		-	-	-
a)	Single light point controlled by one 6A switch or first light point of group control.	Each	785.00	20.00	15,700.00
b)	Subsequent point of group control	Each	515.00	4.00	2,060.00
2	Supplying and fixing two module steeped type electronic fan regulator with proper modular plate switch box including connections etc. as required. Switch/socket-Legrand (myrius)/Panasonic(vision)/schneider(zencelo)	Nos.	653.00	2.00	1,306.00
3	Supplying and fixing 6 Amp plug with 6 Amp switch (Modular Type) on existing board.	Nos.	356.00	8.00	2,848.00
4	Supplying and fixing including testing and commissioning of 6A modular socket outlet with 6 Amp switch including providing GI modular box with faceplate etc as required.		-	-	-
a)	1 nos 6 Amp 3-pin socket with 6 Amp switch.	Nos.	512.00	8.00	4,096.00
b)	2 nos 6 Amp 3-pin socket with 2 nos 6 Amp switch.	Nos.	909.00	6.00	5,454.00
5	Supply, installation, testing & commissioning of 6 / 16 Amp Plug Boards consisting of a 16 Amp clip-in type modular switch with indicator and a 6/16 Amp clip-in type modular socket fixed on metallic concealed box including interconnections and making good the damages caused complete as required and as per direction of Engineer-in-charge. Supplying, installation, testing & commissioning of 25		652.00	8.00	5,216.00
6	amp modular socket outlet on surface or in recess, on 1 Nos two module GI box with plate for socket point and one nos two module GI Box with face plate for switch etc. complete as direction of Engineer-in-charge. As per Crabtree(cat no-ACTO202504) or equivalent of Learand/Schneider		1,330.15	4.00	5,320.60
7	Wiring for circuit/ submain wiring along with earth wire of following size of FRLS heavy gauge PVC insulated copper conductor single core cable in heavy duty PVC conduit laid in surface/ recess as required.		-	-	-
a)	2X2.5 + 1X2.5 sqmm FRLS Cu wire (for Light circuit wiring)	mtr	233.05	75.00	17,478.75

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
b)	double core 4 sq mm. copper wire for phase and neutral	mtr	386.00	20.00	7,720.00
c)	double core 6 sq mm. copper wire for phase and neutral	mtr	452.05	20.00	9,041.00
8	Supply, delivery and fixing of Ceiling fan hook box made out of 18 swg GI sheet and containing 10 mm dia round ms bar projecting atleast 150mm on either side & duly bent to accommodate ceiling fan down rod bolt & having earthing arrangement as per direction of Engineer-in-charge.	Nos.	150.00	10.00	1,500.00
9	36Watt LED Light fitting (3300 Lumen) for PHILIPS .(CAT No:RC365B LED33- 6500 PSU OD WH)/Equivalent of Halonix/Panasonic/crompton as required	Each	3,983.00	10.00	39,830.00
10	20Watt LED Surface/suspended Battern Linear Luminaire (2000 Lumen) PHILIPS (CAT No:WT150C LED20S-6500 PSE OD GR) / Equivalent of Halonix/Panasonic/crompton	Each	1,753.00	10.00	17,530.00
11	6Watt LED Light fitting (600 Lumen) PHILIPS (CAT No:DN191B LED6S-6500 PSU WH S1) / Equivalent ofHalonix/Panasonic/crompton	Each	1,231.00	4.00	4,924.00
12	Supplying, installation, testing and commissioning of ceiling fan (5 star rating) including wiring the down rod, earthing etc as required (Make : Bajaj/Usha/		-	-	-
(a)	Crompton/ Orient/ Khaitan/ Havells). 1200 mm sweep	Nos.	2,656.00	10.00	26,560.00
13	Supplying, installation, testing and commissioning of Exhaust fan / fresh air fan with louvre (Make - Bajaj/Usha/ Crompton/ Orient/ Khaitan/ Havells) as required.		-	-	-
a)	225 mm sweep fibre body fresh air fan	Nos.	1,753.00	2.00	3,506.00
14	Supplying, installation, testing and commissioning of Split Air Conditioner (Make -DAIKINI/VOLTAS/BLUE STAR/as required.	Nos.	55,000.00	4.00	2,20,000.00
15	Supplying and fixing following way, TP and neutral, sheet steel, MCB distribution board, IP-43,IK09 with metal door ,415 V, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCBOs/ISOLATORS) Make- Legrand(Ekinoxe3/siemens(Betaguard)/Schneider Acti9		-	-	-
a)	6 way, Double door	Nos.	4,631.00	2.00	9,262.00

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
16	Supplying and fixing following way, single pole and neutral, sheet steel, MCB distribution board, IP-43, IK-09, 240 V, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCBOS/ISOLATORS)		-		-
a)	12 way, Double door	Each	2,523.00	2.00	5,046.00
17	Supplying and fixing following rating RCBOs/ MCBs in the existing DB complete with connections, testing and commissioning etc. as required Make-Legrand/L&T/ABB		-		
c)	6 Amp to 32 Amp, 10 KA SP MCB (C-Curve)	Each	305.00	2.00	610.00
18	Supplying and fixing of following sizes of heavy gauge PVC conduit along with accessories in surface/recess including cutting the wall and making good the same in case of recessed conduit as required.		-	-	
a)	20 mm	mtr	52.00	100.00	5,200.00
19	Earthing with GI earth pipe 4.5 meter long,40mm dia incluiding accessories and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc with charcoal/coke and salt as required	Nos.	5,809.32	1.00	5,809.32
20	Providing and fixing 25 mm X 5mm GI strip on surface or in recess for connection etc as required.	Mtr	129.00	5.00	645.00
21	Providing and fixing 6 SWG GI wire on surface or in recess for loop earthing along with surface/recessed MS Conduit/submain wiring/cables etc as required.	Mtr	37.00	5.00	185.00
	Total Chadried Amount		-	-	4 17 047 77
	Total Electrical Amount		-	-	4,16,847.67
4	FIRE FIGHTING SYSTEM		_	-	
			-	-	
1	Supplying installation testing and commissioning of ABC type fire extinguishers of 6 kg capacity confirming to IS:14609 & ABC powder confirming IS:13849 presurized with Nitrozen Gas marked.including cost of all material & labour for all floors & service building etc. all complete. Make-KANEX/FIRE SHILD /SAFEX or equivalent	Nos	3,264.00	2.00	6,528.00

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
2	Supplying, installation, testing and commissioning of CO_2 type Fire Extinguisher 4.5 kg capacity confirming to IS: 2878 made from ISI marked seamless cylinder confirming to IS: 7285, fitted with ISI marked controlled valve confirming to IS: 3224, high pressure 1mtr discharge hose & horn complete with initial gas charged with carrying handle & wall mounting bracket for all floors & service building etc. as per direction of Engineer-in-charge.Make-KANEX/FIRE SHILD /SAFEX or equivalentor equivalent	Nos	7,700.00	2.00	15,400.00
3	Supplying, installation, testing and commissioning of Mechanical Foam type 9 litre capacity Fire Extinguisher, ISI marked, IS: 10204, containing 540 ml AFFF liquid ISI marked, IS: 4989 Part II and a polyurethane coated CO2 Gas Cartridge, ISI marked, IS: 4947 complete with gunmetal union cap, nylon hose with plastic foam making branch and wall mounting bracket as per direction of Engineer-in-charge.	Each	3,659.00	2.00	7,318.00
4	Sand Buket as per IS Specicification	Each	500.00	3.00	1,500.00
5	Buket Stand to Store 10 nos of Buket also having Aluminium sheet above the to prevent the stand from rain/sunst.	Nos	2,820.00	1.00	2,820.00
	Total Fire Fighting Amount				33,566.00

TENDER FOR CONSTRUCTION OF MULTI-PURPOSE CENTRE (MPC) AT VARIOUS LOCATIONS FOR DISTRICT OF RAYAGADA, ODISHA (2nd Call)

NIT No: PCO/BBSR/980/200 Date- 26.09.2024

CONSTRUCTION OF MULTI-PURPOSE CENTRE (MPC) AT BATIGUMMA, KURLI, BISSAMCUTTACK IN THE DISTRICT OF RAYAGADA

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
	Architectural Consultancy Services	Lot	54788.1	1	54788.1
	Sub Total				54788.1
1	CIVIL WORKS				
Α	EARTH WORK				
	Earth work in stoney earth and gravels mixed with				
	stone and boulder not exceeding 0.014 cum in volume				
	within 50m initial lead and 1.5m initial lift including				
1	rough dressing and breaking clods to maximum 5cm to				
	7cm and laying in layer not exceeding 0.3m in depth and				
	as per specification approved by the dept.				
i	Ordinary Soil	CuM	210.97	201.30	42,468.26
ii	Soft Rock	CuM	329.01	51.15	16,828.86
iii	Hard Rock	CuM	2,726.10	2.56	6,978.82
	Supplying & Filling foundation trenches , plinth &				
	ditches with clean course river sand well watered and		887.50	193.64	
	rammed in layers not exceeding 23 c.m. in depth with all				
2	lead and lift including cost, conveyance, loading,	CAA			1 71 055 50
	unloading, stacking,royalties and all taxes of sand,cost	CuM			1,71,855.50
	& conveyance of water, cost of all Labour,labour				
	cess,T&P required for the work etc. complete in all				
	respect as directed by the Engineer- in -charge.				
	Back filling available excavated earth (excluding rock)				
	in trenches, plinth, sides of foundations etc. in layers				
3	not exceeding 20 cm in depth, consolidating each	CuM	117.20	34.20	4,008.24
	deposited layer by ramming and watering, lead upto 50				
	m and lift upto 1.5m. Making plinth protection 150 mm thick of cement				
	concrete 1:3:6 (1 cement: 3 coarse sand: 6 graded				
4	1				
	stone aggregate 20 mm nominal size) over 75mm thick bed of dry brick ballast 40 mm nominal size, well		-	-	-
	rammed and consolidated and grouted with fine sand,				
	lincluding finishing the top smooth				
	THOUSENING THE TOP SHIPOTH	SqM	2,397.30	51.75	1,24,060.28
В	PLAIN & REINFORCEMENT CONCRETE		-	-	_

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
	Providing and laying P.C.C[1:4:8] using 4cm size metal				
	etc in foundation and floors using cement , 40 mm size				
	crusher broken H.G.Metal and screened and washed				
1	sharp river sand for mortar of approved quality and	CuM	5,156.20	34.35	1,77,115.47
	from approved quarry including hoisting ,lowering and				
	laying concrete to the required level, ramming				
	,watering and curing etc				
	Providing and laying in position ready mixed M25 grade				
	concrete having compressive strength at 28 days test				
	not lessthan 250kg/sq.cm for reinforced cement				
2	concrete work using cement content as per approved		-	-	-
	design mix etc including Rigid & smooth centering and				
	shuttering.				
	For R.C.C foundation, footing bases of column, mass	CuM	6,497.35	68.94	A A7 027 21
α	concrete,pre-cast etc.	CuM	0,497.30	00.94	4,47,927.31
Ь	For R.C.C plinth band etc.	CuM	7,318.80	11.99	87,752.41
С	R.C.C Beam & Coloum		-	-	-
i	Ground Floor	CuM	14,321.30	26.87	3,84,813.33
d	Lintel		-	-	-
i	Ground Floor	CuM	13,600.30	3.38	45,969.01
f	Chaja		-	-	-
i	Ground Floor	Sqm	1,128.67	12.15	13,713.34
9	Roof slab, Landing, Balcony,		-	-	-
i	Ground Floor Cutting ,Straightening coiled or bend up HYSD/TMT	CuM	12,914.30	27.43	3,54,239.25
3	Reinforcement bars welding or jointing if necessary ,		_		
	bending ,tying the grills as required for R.C.C works		_	_	_
	etcwinding wire extra				
α	Foundation	Qntl	8,861.00	45.93	4,06,985.73
b	Ground floor	Qntl	8,861.00	72.87	6,45,701.07
С	BRICK WORK		-	-	-
	Fly Ash Brick Masonry in cement mortar of mix				
	(1:6) using Fly Ash bricks of size $25c.m \times 11 c.m \times 8$				
	c.m in Foundation & Plinth having crushing strength				
	not less than 75 kg per square c.m. with cement and				
	screened & washed sharp sand for mortar after				
	immersing the bricks for 6 (Six) hours in water				
1	before use in works with all necessary projections,		-	-	-
	splays cutting, circular moulding, corbelling, chamfering, watering and curing etc. including cost,				
	coveyance,stacking, loading, unloading, royalties , all				
	taxes ,cost of all labour,Labour cess ,scaffolding,				
	sundries and T&P required for the works etc. complete				
	in all respect as directed by the Engineer-in-charge.				
	Foundation and Plinth	CuM	5,145.00	19.46	1,00,121.70

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
2	Fly Ash Brick Masonry in cement mortar of mix (1:6) using Fly Ash bricks of size 25c.m x 11 c.m x 8 c.m in superstructure having crushing strength not less than 75 kg per square c.m. with cement and screened & washed sharp sand for mortar after immersing the bricks for 6 (Six) hours in water before use in works with all necessary projections, splays cutting, circular moulding, corbelling, chamfering, watering and curing etc. including cost, coveyance, stacking, loading, unloading, royalties, all taxes, cost of all labour, Labour cess, scaffolding, sundries and T&P required for the works etc. complete in all respect as directed by the Engineer-in-charge.		-)	-
а	Ground Floor	CuM	5,178.00	66.30	3,43,301.40
3	Fly Ash Brick masonry in cement mortar of mix [1:4] using Fly Ash bricks of size 25cm12cmx8cm in superstructure having crushing strength not less than 75 kg /m2 etc[Half Brick work]		-	-	-
а	Ground Floor	CuM	5,458.00	1.05	5,730.90
D	PLASTERING & PAINTING		-	-	<u>-</u>
-	FLASIERING & FAINTING		-		
1	Providing 12mm. Thick cement plaster in cement mortar or mix(1:6) in all floors at all height with cement & screened and washed sharp river sand for mortar and finished smooth to the rough surface of the brick masonary walls after racking out the joints (alongwith providing grooves wherever necessary) including watering and curing, rounding of corners etc. complete with cost, conveyance, loading, unloading, royalities and taxes of all materials, cost of all labour, T&P, sundries and scaffolding required for the work etc. as directed by the Engineer-in- charge.		-	-	-
а	Ground floor	SqM	152.30	347.49	52,922.73
2	Providing 16mm. Thick cement plaster in cement mortar or mix(1:6) in all floors at all height with cement & screened and washed sharp river sand for mortar and finished smooth to the rough surface of the brick masonary walls after racking out the joints (alongwith providing grooves wherever necessary)including watering and curing, rounding of corners etc. complete with cost, conveyance, loading, unloading, royalities and taxes of all materials, cost of all labour, T&P, sundries and scaffolding required for the work etc. as directed by the Engineer-in- charge.		-	-	-
a	Ground floor	SqM	217.90	368.30	80,252.57

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
3	Finishing wall surface of wall with cement based wall putty [water based] of approved make and finished smooth and even surface to receive painting including cost etc		-	-	-
а	Ground Floor	SqM	81.61	924.15	75,419.88
4	Providing and applying 2 coats with 100% acrylic emulsion paint on New surface including one coat of primer (exterior quality) of approved make & shade by reputed manufacturer to make an even finished surface over a coat of primer with water bound cement primer in all heights with all scaffolding and staging charges including cost, conveyance, taxes of all materials, cost of all labours, T&P, sundries etc. as required for the work complete.		-		-
α	Ground floor	SqM	150.10	368.30	55,281.83
5	Supplying and painting of internal walls and ceiling with two or more coats of ACRYLIC emulsion paint on New surface which includes a coat of primer all complete. The shade and brand to be of approved brand & shade over the surfaces including preparation of surface, with cost of all materials, labour, conveyance taxes of all materials, scaffolding etc., as per the direction of the Engineer-in-charge.		-	-	-
а	Ground floor	SqM	149.30	555.86	82,989.90
6	Painting with synthetic enamel paint over a coat of primer of approved colour, shade and brand on New wood work /steel work in two or more coats as required to give an even shade including an under coat of suitable primer of approved brand and manufacturer including cost of all materials with taxes and transportation, loading, unloading, scaffolding, all labour, Labour cess, sundries, T&P, etc. complete as per the direction of the Engineer-in-charge including filling gaps with putties, scrapping, sand papering and cleaning the surface to make free from rusts, dusts and oily substances before applying primer etc.		-	-	-
α	Ground floor	sqm	216.80	25.20	5,463.36
_	ELOODING		-	-	-
1	FLOORING A. S flooring under layer of 25mm thick C.C. (1:2:4) with 12mm ize granite chips and top layer of 6mm thick plaster cement red oxide mix using 3.5kg or red oxide per 50 kg of cement 1:3 finished with a floating coat of cement and Red oxide mix of same proportion.		-	-	-
α	Ground floor	SqM	431.00	162.84	70,184.04

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
2	12mm thick cement plaster in CM(1:4) with cement punning for skirting & Dados including all cost. complete with cost, conveyance, royality of all materials and labour with T&P required for the work with royalities, taxes etc.complete in all floors as per direction of Fnaineer-in-charge.	SqM	174.10	20.57	3,581.24
F	DOOR & WINDOW		-	-	-
1	Providing and fixing unplasticised poly vinyl chloride (UPVC) door in cluding all fittings and cost, conveyance of all materials, labours and T&P required for the work etc, all complete as per direction of engineer in charge.	Sqm	8,963.00	3.15	28,233.45
2	Providing and fixing 30 mm thick factory made single extruded WPC (Wood polymer composite) solid plain flush door shutter of required size fixing with stainless steel butt hinges of required size with necessary full body threaded star headed counter sunk S.S screws, all complete as per direction of engineer in	Sqm	4,424.00	15.75	69,678.00
3	Supplying, fitting, fixing up window (sliding type) made up aluminum Section 9778 as windows frame, section No. 4095, 4096 and 9777, 3994 as shutter frame with rubber beading including locking arrangement including all fitting including cost of materials all taxes labour, T&P etc. complete as per direction of Engineer-incharge. including cost of frosted glass & SS mosquito net.	Sqm	7,648.40	24.30	1,85,856.12
G	STEEL WORK		-	-	-
			-	-	-

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
1	Supplying, fitting and fixing of M.S grills, grill gates with top and bottom rails, (as per I.S. specification and as per approved drawings) in proper position in all floors and at all height including making holes to brick walls/ R.C.C structure/wood work etc. and making good to the damaged walls/ structures with cement concrete (1:2:4) with black hard crusher broken granite stone chips of 12mm to 20mm size (20mm size not to exceeds 25%) including watering and curing including cost, conveyance, loading, unloading, stacking, royalties and taxes of all materials, cost of all Labour, Labour cess, Sundries, T&P required for the work etc.complete as per the direction of Engineer in charge (W.I. / M.S. windows grills, grill gates, collapsible gates with top and bottom rails, steel windows, steel doors, steel frames for doors and windows, staircase and parapet railings square bar along with required nos. of nails and screws and other required materials of approved quality and approved size shall be supplied by the contractor at his own cost.)	KG	89.50	864.00	77,328.00
2	Supplying, fitting and fixing of Stainless steel of 304 grade in hand railing using 50mm dia of 2mm thick circular pipe with balustrade of size 32mmx32mmx2mm @ 0.90mtr.C/C and stainless square pipe bracing of size 32mmx32mmx2mm in 3 rows in stair case as per approved design and specification ,buffing, polishing etc with cost,conveyance,taxes of all materials, labour, T & P etc. requird for the complete in all respect.	Rmt	3,524.00	22.50	79,290.00
			-	-	-
1 1	Grading plaster 2.5 cm thick grading Plaster (1:4) on roof slab with 6mm size HG chips including all cost, conveyance, royalty & taxes etc.comp.to work site for new work as per the specification approved by the department & direction of E.I.C	sqm	387.30	215.00	- 83,269.50
	TOTAL CIVIL WORK				43,29,321.50
	IOTAL CIVIL WORK				73,23,321.30
2	PLUMBING AND SANITARY WORK				
	INTERNAL PH WORKS				

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
1	Supplying all materials, labour and T&P for fitting and fixing white glazed vitreous china porcelain Indian Pan water closet of size 23" of approved make confirming to IS-2556 and top inlet for sinking into floor with 100mm PVC 'P' trap etc. including supply of necessary cement concrete for fitting the closet etc. complete in all respect in all floors including cost, conveyance and taxes of all materials etc. complete and as per PH specification and direction of Engineer-in-charge.				
		Nos	5,623.50	2.00	11,247.00
2	Supplying all materials, labour and T&P for fitting and fixing white glazed vitreous china porcelain flat back urinal pan of approved make confirming to IS-2556 and top inlet for sinking into floor with 100mm PVC 'P' trap etc. including supply of necessary cement concrete for fitting the closet etc. complete in all respect in all floors including cost, conveyance and taxes of all materials etc. complete and as per PH specification and direction of Engineer-in-charge including marble partition in between urinals.		-	-	-
	Supplying all materials, labour, T&P and fixing standard	Nos	12,288.40	2.00	24,576.80
3	sized shower (bath shower) of approved make etc complete including cutting the wall and making good the damages, including cost of all materials complete as per PH specification and direction of Engineering-incharge.		-	-	-
		Nos	993.00	2.00	1,986.00
4	fixing white glazed vitreous china porcelain wash basin of size 450mm × 300mm of approved make confirming to IS-2556 and top inlet for sinking into floor with 100mm PVC 'P' trap etc. including supply of necessary cement concrete for fitting the closet etc. complete in all respect in all floors including cost, conveyance and taxes of all materials etc. complete and as per PH specification and direction of Engineer-in-charge	Ne	-	-	-
		Nos	9,150.40	4.00	36,601.60
5	Supplying all materials, labour, T&P and fixing standard sized CP Bib cock of approved make etc complete including cutting the wall and making good the damages, including cost of all materials complete as per PH specification and direction of Engineering-in-charge.		-	-	-
		Nos	1,873.00	4.00	7,492.00

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
6	Supplying all materials, labour, T&P and fixing standard sized 15mm dia Angular Stop cock of approved make etc complete including cutting the wall and making good the damages, including cost of all materials complete as per PH specification and direction of Engineering-incharge.		-	-	-
	onal do.	Nos	1,158.40	4.00	4,633.60
7	Supplying all materials, labour, T&P and fixing standard 15mm sized pillar cock of approved make etc complete including cutting the wall and making good the damages, including cost of all materials complete as per PH specification and direction of Engineering-in-charge.		-	-	-
		Nos	1,626.00	4.00	6,504.00
8	Supplying all materials, labour, T&P and fixing standard sized Long body 15mm dia CP Bib cock of approved make etc complete including cutting the wall and making good the damages, including cost of all materials complete as per PH specification and direction of Engineering-in- charge.	Nos	2,107.00	4.00	8,428.00
	To Delice		-	-	-
9	Supplying all materials, labour, T&P and fixing standard sized two way CP Bib cock of approved make etc complete including cutting the wall and making good the damages, including cost of all materials complete as per PH specification and direction of Engineering-in-charge.	Nos	1,873.40	2.00	3,746.80
10	Supplying all materials, labour, T&P and fixing standard sized shower (Health Faucet) of approved make etc complete including cutting the wall and making good the damages, including cost of all materials complete as per PH specification and direction of Engineering-incharge.	Nos	993.00	2.00	1,986.00
11	Supplying all materials, labour, T&P and fixing standard sized Chromium Plated brass towel rail complete with Chromium Plated brass brackets fixed to wooden plugs with Chromium Plated brass screws as per specification and direction of the Engineer in charge	Nos	1,369.70	- 2.00	2,739.40
	Finite (00.4F0h. II. I. I. I. I. I. I.	1405	1,309./0	2.00	2,739.40
12	Fixing 600x450mm bevelled edge mirror of superior glass mounted on 6mm thick A.C sheet or plywood sheet and fixed to wooden plugs with Chromium Plated brass screws and washers complete as per specification and direction of the Engineer in charge		-	-	-
		NOS	1,841.80	4.00	7,367.20

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
13	Supplying all materials, labour, T&P and fittings and fixing of Poly Propelene white double layer water storage Tank of approved make confirming to IS 12701-1996 including cutting holes through the tank and fixing mild steel tubes and fittings and providing extra sockets and jam nuts, fixing ball valve etc including hoisting upto terrace level and placing the tank to the required position etc all complete as per PH specification and direction of Engineer-in-charge. (To provided with brick masonary guard walls which will be paid separately)		-	-	-
α	2000 ltr	Nos	25,364.70	1.00	25,364.70
			-	-	-
14	Supplying all materials, labours, T&P and fitting and fixing of the following size of CPVC pipe confirming to IS 15778 certification mark with socket and screw joints in walls and floors including supplying of required number of fittings of approved make including cutting threads to pipes and pipes to length, including wastage, etc for fitting to the walls with supply of holder ats, clamps, fixing wooden plugs in walls, including testing of pipe line for water tightness complete as per IS specification including cost, conveyance and taxes of all materials all complete as per PH specification and direction of Engineer-in-		-	-	-
a	25 mm dia	R.mtr	368.50	20.00	7,370.00
b	32 mm dia	R.mtr	563.20	20.00	11,264.00
	40mm dia	R.mtr	732.10	20.00	14,642.00
15	Providing all materials, labour, Fitting & fixing of CPVC Ball Valve with CTS socket. Make: Prince)		0	0	-
α	25mm Dia	Nos	842.00	1.00	842.00
Ь	32mm Dia	Nos	1,589.00	1.00	1,589.00
С	40mm dia	Nos	2,391.00	1.00	2,391.00
16	Supplying all materials, labours, T&P for cutting holes through existing brickwork including making good the damages in cement mortar (1:4) for taking GI pipes and fittings/PVC pipes and fittings etc all complete as per PH specification and direction of Engineer-in-charge.		-	-	-
		Nos	55.80	2.00	111.60
17	Supplying all materials, labours, T&P for cutting holes through existing RCC floors & roofs including making good the damages for taking GI pipes and fittings/PVC pipes and fittings etc all complete as per PH specification and direction of Engineer-in-charge.		-	-	-
		Nos	167.40	2.00	334.80
		. 103	107.10	2.00	1 33 1.30

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
18	Supplyng all materials, labour, T&P for construction of brick masonary Gulley trap chamber of size300mm x 300mm with CI gulley trap, by Fly ash brick masonry in CM (1:4), CP (1:6) with 150mm x 150mm CI grating including labour and materials for fitting and fixing 100mm dia square mouth CI gully trap with supply of all jointing materials and encasing the gully trap with a block of CC (1:4:8) with 25mm size hard stone metal all complete with providing and fixing of 250mm x 250mm precast RCC cover slab including cost, conveyance, taxes of all materials to site complete as per the PH specification and direction of Engineer-in-charge.		-	-	-
		Nos	3,608.00	2.00	7,216.00
19	Providing all materials labour, T&P for making grooves in bricks/stone masonary walls vertically or horizontally up to required depth and width in all floor for laying of pipes and fittings up to 50mm dia, testing the joints with required water pressure and making good the damages with cement concrete 1:2:4 with 12mm size h.g.c.b.chips and finished smooth with cement morter (1:4) to original shape including cost of all materials, curing, conveyance of all materials etc. all complete excluding GST as per specification & direction of Engineer-in-charge.		0.00	0.00	-
		Rmt	252.00	20.00	5,040.00
II	External PH Supplying all materials, labours, T&P and fitting and		-	-	-
20	fixing of the following size of CPVC pipe confirming to IS 15778 certification mark with socket and screw joints in walls and floors including supplying of required number of fittings of approved make including cutting threads to pipes and pipes to length, including wastage, etc for fitting to the walls with supply of holder ats, clamps, fixing wooden plugs in walls, including testing of pipe line for water tightness complete as per IS specification including cost, conveyance and taxes of all materials all complete as per PH specification and direction of Engineer-in-		<u>-</u>	<u>-</u>	-
α	50mm dia	Rmt	1,153.60	10.00	11,536.00

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
21	Supplying all materials & labour, T&P and constructing brick masonary chamber for water sluice valve, single air valve & non return valve with Fly ash brick masonary in cement mortar (1:4) as per approved drawing and specification CC (1:4:8) with 4cm size hard granite metal on the bed, 12mm cement plaster (1:6) to inside and cement flush pointing (1:6) to outside surface with 100mm thick RCC M20 cover slab with 20mm hg chips using required quantity of tor steel, centring and shuttering to the slab and dismantling it after 31 days of casting, filling the outside cavity with excavated materials, watering, curing including cost, conveyance, taxes of all materials, labour charges for cutting, bending, binding and tying the grills in proper position etc all complete as per drawing, design and direction of Engineer-in- charge.		-	-	1
a	Chamber (0.75x0.75x0.7mtr)	Nos	9,814.00	1.00	9,814.00
			-	-	-
22	Supplying all materials, labour, T&P and fitting and fixing of double air valve of 50mm Dia confirming to the relevant IS specification and dimension including fixing it in position along the pipeline with supply of all required materials such as rubber insertion, nuts & bolts including cost of all materials, taxes, and duties, transportation charges from store to site etc all complete as per the direction of Engineer-in-charge.		-	-	-
		Nos	4,111.90	1.00	4,111.90
23	Supply, installation, testing and commissioning of automatic star delta control panel suitable for 2 HP pumpset including MS box fitted with main switch ,contactor, single phasing preventer, timer, selector switch, voltmetre, ammeter etc and connection with motor inside the sump with suitable cable etc complete as per the Direction of Engineer-in-charge. (Excluding power supply)(MR)		-	-	-
		Set	14,500.00	1.00	14,500.00
	Septic Tank		-	-	-
24	Earth work in excavation in Hard rock by mechanical means (Hydraullic excavator)/ manual means overareas (exceeding 30 cm in depth, 1.5 m in width as well as 10sqm on plan) inculding disposal of excavated earth up to 50 m and lift upto 1.5m with all lead and lift including shoring, shuttering & dewatering (if required) with cost of all Labour, Labour cess ,Hire & Running charges of the water pumps, T & P required for the work complete as directed by the Engineer- in- charge.		-	-	-

Supplying and filling the Foundation & Plinth with clean coarse river sand of approved quality from approved quarry, laying in layers not exceeding ISOmm thick, watering and ramming including cost, conveyance, royalty and taxes of all materials, cost of all labour, T&P etc. as required for the work complete as per direction of the Engineer-in-charge. Providing & laying cement concrete of prop. (1:4:8) in foundation bed and floors using 40mm nominal size down graded, screened, washed hard black crusher broken granite metal of approved quality & from approved quarry including laying in the layers not exceeding 100 mm thick etc. Providing and laying in position ready mixed M25 grade concrete having compressive strength at 28 days test not less than 250kg/sq.cm for reinforced cement concrete work using cement content as per approved design mix etc. a Foundation Could for the concrete with cement concrete work using cement content as per approved design mix etc. b RcC Wall Cutting, straightening coiled or bent up HYSD/TMT Reinfocement Bars welding or jointing if necessary bending, binding, tying the grills as etc. Providing IZmm. Thick exement plastrew with cement mortar of mix (1:4) in all floors cement and with screened and washed sharp sand for mortar with neat cement punning finished smooth to brick/RCC walls after racking out the joints including watering and curina complete as per the direction of the Engineer-incharace. Providing and laying of P.C.C. of 1:3:6 with 12 mm size hard granite metal in foundation trenches, under floors in line level including curing and ramming etc. all 00 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
coarse river sand of approved quality from approved quarry, loging in layers not exceeding 150mm thick, at your providing and laying including cost, conveyance, royalty and taxes of all materials, cost of all labour, T&P etc. as required for the work complete as per direction of the Engineer-in-charge. Providing & taying cement concrete of prop. (1748) in foundation bed and floors using 40mm nominal size down graded, screened, washed hard black crusher broken grantine that of approved quality & from approved quarry including laying in the layers not exceeding 20 mm thick, etc. Providing and laying in position ready mixed M25 grade concrete having compressive strength at 28 days test not less than 250% 494, cm for reinforced cement concrete work using cement content as per approved design mix etc. a foundation CuM 6,497.35 1.00 6,497.35 1.00 6,497.35 b. CuM 7,318.80 2.03 14,857.14 C	α	Earth work excavation beyond 1.50mtr depth	CuM	210.97	6.00	1,265.82
Providing & laying cement concrete of prop. (14-8) in foundation bed and floors using 40mm nominal size broken granite metal of approved quality & from approved quarry including laying in the layers not exceeding 100 mm hick. etc. Providing and laying in position ready mixed M25 grade concrete having compressive strength at 28 days test not lessthan 250kg/sq.cm for reinforced cement concrete work using cement content as per approved design mix etc. A Foundation B RCC Wall Cuth 7,318.80 Cuth 7,318.80 Cuth 12,914.30 Cuthing, straightening coiled or bent up HYSD/TMT Reinfocement Bars welding or jointing if necessary bending, binding, tying the grills as etc. Providing 12mm, think cement plaster with cement mortar of mix (1:4) in all floors cement and with screened and washed sharp sand for mortar with neat cement punning finished smooth to brick/RCC walls after racking out the joints including watering and curina complete with cost etc. Providing and laying of P.C.C. of 1:3:6 with 12 mm size hard granite metal in foundation trenches, under floors in line level including curing and ramming etc. all occupied as per the direction of the Engineer-incharace. Sqm 6,263.20 O 34 2,129.4: Finishing walls with water proofing cement paint of approved shade on new work Two coat to give an even shade Sack filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20 cm in depth, consolidating each deposited layer by ramming and watering, lead upto 50 m and lift upto 1.5m. Cuth 117.20 S.555 650.44	25	coarse river sand of approved quality from approved quarry, laying in layers not exceeding 150mm thick, watering and ramming including cost, conveyance, royalty and taxes of all materials, cost of all labour, T&P etc. as required for the work complete as per		-	-	-
Providing & laying cement concrete of prop. (14-8) in foundation bed and floors using 40mm nominal size broken granite metal of approved quality & from approved quarry including laying in the layers not exceeding 100 mm hick. etc. Providing and laying in position ready mixed M25 grade concrete having compressive strength at 28 days test not lessthan 250kg/sq.cm for reinforced cement concrete work using cement content as per approved design mix etc. A Foundation B RCC Wall Cuth 7,318.80 Cuth 7,318.80 Cuth 12,914.30 Cuthing, straightening coiled or bent up HYSD/TMT Reinfocement Bars welding or jointing if necessary bending, binding, tying the grills as etc. Providing 12mm, think cement plaster with cement mortar of mix (1:4) in all floors cement and with screened and washed sharp sand for mortar with neat cement punning finished smooth to brick/RCC walls after racking out the joints including watering and curina complete with cost etc. Providing and laying of P.C.C. of 1:3:6 with 12 mm size hard granite metal in foundation trenches, under floors in line level including curing and ramming etc. all occupied as per the direction of the Engineer-incharace. Sqm 6,263.20 O 34 2,129.4: Finishing walls with water proofing cement paint of approved shade on new work Two coat to give an even shade Sack filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20 cm in depth, consolidating each deposited layer by ramming and watering, lead upto 50 m and lift upto 1.5m. Cuth 117.20 S.555 650.44			CuM	887.50	2,73	2,422.88
concrete having compressive strength at 28 days test not lessthan 250kg/sq. m for reinforced cement concrete work using cement content as per approved desian mix etc a Foundation	26	foundation bed and floors using 40mm nominal size down graded, screened, washed hard black crusher broken granite metal of approved quality & from approved quarry including laying in the layers not				3,867.15
a Foundation CuM 6,497.35 1.00 6,497.35 b RCC Wall CuM 7,318.80 2.03 14,857.16 c Slab Cutting, straightening coiled or bent up HYSD/TMT 28 Reinfocement Bars welding or jointing if necessary bending, binding, tying the grills as etc Providing 12mm. Thick cement plaster with cement mortar of mix (1:4) in all floors cement and with screened and washed sharp sand for mortar with neat cement punning finished smooth to brick/RCC walls after racking out the joints including watering and curina complete with cost etc. Providing and laying of P.C.C. of 1:3:6 with 12 mm size hard granite metal in foundation trenches, under floors in line level including curing and ramming etc. all complete as per the direction of the Engineer-incharae. Sqm 6,263.20 0.34 2,129.45 Finishing walls with water proofing cement paint of approved shade on new work Two coat to give an even shade Sqm 37.90 12.18 461.66 Back filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20 cm in depth, consolidating each deposited layer by ramming and watering, lead upto 50 m and lift upto 1.5m. CuM 117.20 5.55 650.46	27	concrete having compressive strength at 28 days test not lessthan 250kg/sq.cm for reinforced cement concrete work using cement content as per approved		-	-	-
c Slab Cutting, straightening coiled or bent up HYSD/TMT Reinfocement Bars welding or jointing if necessary bending, binding, tying the grills as etc Providing 12mm. Thick cement plaster with cement mortar of mix (1:4) in all floors cement and with screened and washed sharp sand for mortar with neat cement punning finished smooth to brick/RCC walls after racking out the joints including watering and curina complete with cost etc Providing and laying of P.C.C. of 1:3:6 with 12 mm size hard granite metal in foundation trenches, under floors in line level including curing and ramming etc. all complete as per the direction of the Engineer-in- charae. Sqm 6,263.20 0.34 2,129.45 Finishing walls with water proofing cement paint of approved shade on new work Two coat to give an even shade Sqm 37.90 12.18 461.66 Back filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20 cm in depth, consolidating each deposited layer by ramming and watering, lead upto 50 m and lift upto 1.5m. CuM 117.20 5.55 650.46	α		CuM	6,497.35	1.00	6,497.35
Cutting, straightening coiled or bent up HYSD/TMT Reinfocement Bars welding or jointing if necessary bending, binding, tying the grills as etc Providing 12mm. thick cement plaster with cement mortar of mix (1:4) in all floors cement and with screened and washed sharp sand for mortar with neat cement punning finished smooth to brick/RCC walls after racking out the joints including watering and curina complete with cost etc Providing and laying of P.C.C. of 1:3:6 with 12 mm size hard granite metal in foundation trenches, under floors in line level including curing and ramming etc. all complete as per the direction of the Engineer-in- charae Sqm 6,263.20 0.34 2,129.49 Finishing walls with water proofing cement paint of approved shade on new work Two coat to give an even shade Sqm 37.90 12.18 461.66 Back filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20 cm in depth, consolidating each deposited layer by ramming and watering, lead upto 50 m and lift upto 1.5m. Cum 117.20 5.55 650.46	Ь	RCC Wall	CuM	7,318.80	2.03	14,857.16
Reinfocement Bars welding or jointing if necessary bending, binding tying the grills as etc Providing 12mm. Thick cement plaster with cement mortar of mix (1:4) in all floors cement and with screened and washed sharp sand for mortar with neat cement punning finished smooth to brick/RCC walls after racking out the joints including watering and curina complete with cost etc. Providing and laying of P.C.C. of 1:3:6 with 12 mm size hard granite metal in foundation trenches, under floors in line level including curing and ramming etc. all complete as per the direction of the Engineer-in-charae. Sqm 6,263.20 0.34 2,129.49 Finishing walls with water proofing cement paint of approved shade on new work Two coat to give an even shade Back filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20 cm in depth, consolidating each deposited layer by ramming and watering, lead upto 50 m and lift upto 1.5m. Qut 117.20 5.55 650.46	С		CuM	12,914.30	1.00	12,914.30
mortar of mix (1:4) in all floors cement and with screened and washed sharp sand for mortar with neat cement punning finished smooth to brick/RCC walls after racking out the joints including watering and curina complete with cost etc Providing and laying of P.C.C. of 1:3:6 with 12 mm size hard granite metal in foundation trenches, under floors in line level including curing and ramming etc. all complete as per the direction of the Engineer-incharae. Finishing walls with water proofing cement paint of approved shade on new work Two coat to give an even shade Back filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20 cm in depth, consolidating each deposited layer by ramming and watering, lead upto 50 m and lift upto 1.5m. Mortara in all floors cement and with neat cement paint of after a complete with cost etc. Sqm	28	Reinfocement Bars welding or jointing if necessary	Qntl	8,861.00	3.60	31,899.60
Providing and laying of P.C.C. of 1:3:6 with 12 mm size hard granite metal in foundation trenches, under floors in line level including curing and ramming etc. all complete as per the direction of the Engineer-in- charae Sqm 6,263.20 0.34 2,129.49 Finishing walls with water proofing cement paint of approved shade on new work Two coat to give an even shade Sqm 37.90 12.18 461.66 Back filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20 cm in depth, consolidating each deposited layer by ramming and watering, lead upto 50 m and lift upto 1.5m. CuM 117.20 5.55 650.46	29	mortar of mix (1:4) in all floors cement and with screened and washed sharp sand for mortar with neat cement punning finished smooth to brick/RCC walls after racking out the joints including watering and	SaM	- 152 20	- 12 18	1 855 01
Finishing walls with water proofing cement paint of approved shade on new work Two coat to give an even shade Sqm 37.90 12.18 461.62 Back filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20 cm in depth, consolidating each deposited layer by ramming and watering, lead upto 50 m and lift upto 1.5m. CuM 117.20 5.55 650.46	30	hard granite metal in foundation trenches, under floors in line level including curing and ramming etc. all complete as per the direction of the Engineer-in-	Jym			-
approved shade on new work Two coat to give an even shade Sqm 37.90 12.18 461.66 Back filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20 cm in depth, consolidating each deposited layer by ramming and watering, lead upto 50 m and lift upto 1.5m. CuM 117.20 5.55 650.46			Sqm	6,263.20	0.34	2,129.49
Back filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20 cm in depth, consolidating each deposited layer by ramming and watering, lead upto 50 m and lift upto 1.5m. CuM 117.20 5.55 650.46	31	approved shade on new work Two coat to give an even		-	-	-
	32	in trenches, plinth, sides of foundations etc. in layers not exceeding 20 cm in depth, consolidating each deposited layer by ramming and watering, lead upto 50		-	-	461.62 - 650.46
		Soak Pit			-	-

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
33	Supplying and filling the Foundation & Plinth with clean coarse river sand of approved quality from approved quarry, laying in layers not exceeding 150mm thick, watering and ramming including cost, conveyance, royalty and taxes of all materials, cost of all labour, T&P etc. as required for the work complete as per direction of the Engineer-in-charge.		-	-	-
	an ection of the Engineer-in-charge.	CuAA	997.50	1.00	997 50
	Providing & laying cement concrete of prop. (1:4:8) in	CuM	887.50	1.00	887.50
34	foundation bed and floors using 40mm nominal size down graded, screened, washed hard black crusher broken granite metal of approved quality & from approved quarry including laying in the layers not	CuM	5,156.20	0.62	3,196.84
35	exceeding 100 mm thick etc Providing and laying in position ready mixed M25 grade concrete having compressive strength at 28 days test not lessthan 250kg/sq.cm for reinforced cement concrete work using cement content as per approved design mix etc		-	-	_
α	Foundation	CuM	6,497.35	0.32	2,079.15
36	Providing 12mm. thick cement plaster with cement mortar of mix (1:4) in all floors cement and with screened and washed sharp sand for mortar with neat cement punning finished smooth to brick/RCC walls after racking out the joints including watering and curing complete with cost. etc.		-	-	-
		SqM	271.60	1.36	369.38
37	Providing and laying of P.C.C. of 1:3:6 with 12 mm size hard granite metal in foundation trenches, under floors in line level including curing and ramming etc. all complete as per the direction of the Engineer-in-		0	0	_
	<u>charge</u>	Sqm	8,434.10	0.62	5,229.14
38	Fly Ash Brick Masonry in cement mortar of mix (1:6) using Fly Ash bricks of size 25c.m x 12 c.m x 8 c.m in Foundation & Plinth having crushing strength not less than 75 kg per square c.m. with cement and screened & washed sharp sand for mortar after immersing the bricks for 6 (Six) hours in water before use in works with all necessary projections, splays cutting, circular moulding, corbelling, chamfering, watering and curing etc. including cost, coveyance, stacking, loading, unloading, royalties, all taxes, cost of all labour, Labour cess, scaffolding, sundries and T&P required for the works etc. complete in all respect as directed by the Engineer-in-charge.		-	-	-
		CuM	5,460.00	6.37	34,780.20

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
39	Supplying all materials, labour, T&P, fitting and fixing uPVC SWR pipes (Type-B)(Co-moulded Ring type) of approved make confirming to IS-13592/1992with ISI marked, both below & above ground level or fixing on wall surface in all floors including transportation & scaffolding etc. all complete as per specification excluding GST & direction of the Engineer-in-charge.		0	0	-
α	Pipe 110mm dia	R.Mtr	828.11	30.00	24,843.30
Ь	110mm×110mm 'P' Trap (Make:Astral)	nos	494.00	2.00	988.00
С	110mm dia single 'Y' withoutdoor	nos	479.00	2.00	958.00
Ъ	110mm WC connector/Bend with lip ring	nos	360.00	2.00	720.00
е	110mm Socket plug	nos	180.00	2.00	360.00
f	Upvc Elbow	nos	786.00	2.00	1,572.00
40	Sinking of 200 mm x150mm size production well through DTH or combination drilling riges in hard rock area with PVC or GI casing pipes. 120mtr depth (1nos)	L.S	2,00,000.00	1.00	2,00,000.00
41	Supplying, fitting and fixing of Antiskid Ceramic Floor Tiles in flooring using special plain / printed series Ceramic Floor Tile of premium grade (having minimum thickness 7 mm to 8 mm & size 300 mm × 300 mm OR 600 mm ×600 mm, confirming to I.S 13755 of approved quality and shade in floors, treads on steps and landings on 25 m.m thick bed of cement mortar of mix (1:1) laid in proper slope and gradient with screened & washed sharp etc		-	-	-
	Ground floor	SqM	1,153.90	17.88	20,631.73
42	Supplying, fitting and fixing of ceramic glazed wall Tiles in skirting dado, risers of step and wall using special plain / printed series Ceramic wall Tile of premium grade (having minimum thickness 6.5 mm to 6.7 mm & size 300 mm x 300 mm OR 600mm x300 mm,		-	-	-
	Ground floor	SqM	1,317.60	68.46	90,202.90
	TOTAL of internal PH WORK[I]				6,99,074.38
3	ELECTRICAL WORK				

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount .
1	Wiring for light point/ fan/ exhaust fan point/ call bell point with 1.5 sqmm FRLS PVC insulated copper conductor single core cable in surface / recessed 2 mm thick PVC conduit with modular switch and earthing the point with 1.5 sqmm FRLS PVC insulated copper conductor single core cable including providing modular box with cover of requisite number of modules including providing cover plates as required. Make Conduit:Norepack/Precision/AKG Wire-KEI/Havells/Finolex Switch/socket-Legrand (myrius)/Panasonic(vision)/schneider(zencelo)		-	-	-
a)	Single light point controlled by one 6A switch or first light point of group control.	Each	785.00	20.00	15,700.00
b)	Subsequent point of group control	Each	515.00	4.00	2,060.00
2	Supplying and fixing two module steeped type electronic fan regulator with proper modular plate switch box including connections etc. as required. Switch/socket-Legrand (myrius)/Panasonic(vision)/schneider(zencelo)	Nos.	653.00	2.00	1,306.00
3	Supplying and fixing 6 Amp plug with 6 Amp switch (Modular Type) on existing board.	Nos.	356.00	8.00	2,848.00
4	Supplying and fixing including testing and commissioning of 6A modular socket outlet with 6 Amp switch including providing GI modular box with faceplate etc as required.		-	-	-
a)	1 nos 6 Amp 3-pin socket with 6 Amp switch.	Nos.	512.00	8.00	4,096.00
b)	2 nos 6 Amp 3-pin socket with 2 nos 6 Amp switch.	Nos.	909.00	6.00	5,454.00
5	Supply, installation, testing & commissioning of 6 / 16 Amp Plug Boards consisting of a 16 Amp clip-in type modular switch with indicator and a 6/16 Amp clip-in type modular socket fixed on metallic concealed box including interconnections and making good the damages caused complete as required and as per direction of Engineer-in-charge. Supplying, installation, testing & commissioning of 25		652.00	8.00	5,216.00
6	amp modular socket outlet on surface or in recess, on 1 Nos two module GI box with plate for socket point and one nos two module GI Box with face plate for switch etc. complete as direction of Engineer-in-charge. As per Crabtree(cat no-ACTO202504) or equivalent of Learand/Schneider		1,330.15	4.00	5,320.60
7	Wiring for circuit/ submain wiring along with earth wire of following size of FRLS heavy gauge PVC insulated copper conductor single core cable in heavy duty PVC conduit laid in surface/ recess as required.		-	-	-
a)	2X2.5 + 1X2.5 sqmm FRLS Cu wire (for Light circuit wiring)	mtr	233.05	75.00	17,478.75

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
b)	double core 4 sq mm. copper wire for phase and neutral	mtr	386.00	20.00	7,720.00
c)	double core 6 sq mm. copper wire for phase and neutral	mtr	452.05	20.00	9,041.00
8	Supply, delivery and fixing of Ceiling fan hook box made out of 18 swg GI sheet and containing 10 mm dia round ms bar projecting atleast 150mm on either side & duly bent to accommodate ceiling fan down rod bolt & having earthing arrangement as per direction of Engineer-in-charge.	Nos.	150.00	10.00	1,500.00
9	36Watt LED Light fitting (3300 Lumen) for PHILIPS .(CAT No:RC365B LED33- 6500 PSU OD WH)/Equivalent of Halonix/Panasonic/crompton as required	Each	3,983.00	10.00	39,830.00
10	20Watt LED Surface/suspended Battern Linear Luminaire (2000 Lumen) PHILIPS (CAT No:WT150C LED20S-6500 PSE OD GR) / Equivalent of Halonix/Panasonic/crompton	Each	1,753.00	10.00	17,530.00
11	6Watt LED Light fitting (600 Lumen) PHILIPS (CAT No:DN191B LED6S-6500 PSU WH S1) / Equivalent ofHalonix/Panasonic/crompton	Each	1,231.00	4.00	4,924.00
12	Supplying, installation, testing and commissioning of ceiling fan (5 star rating) including wiring the down rod, earthing etc as required (Make : Bajaj/Usha/		-	-	-
(a)	Crompton/ Orient/ Khaitan/ Havells). 1200 mm sweep	Nos.	2,656.00	10.00	26,560.00
13	Supplying, installation, testing and commissioning of Exhaust fan / fresh air fan with louvre (Make - Bajaj/Usha/ Crompton/ Orient/ Khaitan/ Havells) as required.		-	-	-
a)	225 mm sweep fibre body fresh air fan	Nos.	1,753.00	2.00	3,506.00
14	Supplying, installation, testing and commissioning of Split Air Conditioner (Make -DAIKINI/VOLTAS/BLUE STAR/as required.	Nos.	55,000.00	4.00	2,20,000.00
15	Supplying and fixing following way, TP and neutral, sheet steel, MCB distribution board, IP-43,IK09 with metal door ,415 V, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCBOs/ISOLATORS) Make- Legrand(Ekinoxe3/siemens(Betaguard)/Schneider Acti9		-	-	-
a)	6 way, Double door	Nos.	4,631.00	2.00	9,262.00

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
16	Supplying and fixing following way, single pole and neutral, sheet steel, MCB distribution board, IP-43, IK-09, 240 V, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCBOS/ISOLATORS)		-		-
a)	12 way, Double door	Each	2,523.00	2.00	5,046.00
17	Supplying and fixing following rating RCBOs/ MCBs in the existing DB complete with connections, testing and commissioning etc. as required Make-Legrand/L&T/ABB		-		
c)	6 Amp to 32 Amp, 10 KA SP MCB (C-Curve)	Each	305.00	2.00	610.00
18	Supplying and fixing of following sizes of heavy gauge PVC conduit along with accessories in surface/recess including cutting the wall and making good the same in case of recessed conduit as required.		-	-	
a)	20 mm	mtr	52.00	100.00	5,200.00
19	Earthing with GI earth pipe 4.5 meter long,40mm dia incluiding accessories and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc with charcoal/coke and salt as required	Nos.	5,809.32	1.00	5,809.32
20	Providing and fixing 25 mm X 5mm GI strip on surface or in recess for connection etc as required.	Mtr	129.00	5.00	645.00
21	Providing and fixing 6 SWG GI wire on surface or in recess for loop earthing along with surface/recessed MS Conduit/submain wiring/cables etc as required.	Mtr	37.00	5.00	185.00
	Total Chadried Amount		-	-	4 17 047 77
	Total Electrical Amount		-	-	4,16,847.67
4	FIRE FIGHTING SYSTEM		_	-	
			-	-	
1	Supplying installation testing and commissioning of ABC type fire extinguishers of 6 kg capacity confirming to IS:14609 & ABC powder confirming IS:13849 presurized with Nitrozen Gas marked.including cost of all material & labour for all floors & service building etc. all complete. Make-KANEX/FIRE SHILD /SAFEX or equivalent	Nos	3,264.00	2.00	6,528.00

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
2	Supplying, installation, testing and commissioning of CO_2 type Fire Extinguisher 4.5 kg capacity confirming to IS: 2878 made from ISI marked seamless cylinder confirming to IS: 7285, fitted with ISI marked controlled valve confirming to IS: 3224, high pressure 1mtr discharge hose & horn complete with initial gas charged with carrying handle & wall mounting bracket for all floors & service building etc. as per direction of Engineer-in-charge.Make-KANEX/FIRE SHILD /SAFEX or equivalentor equivalent	Nos	7,700.00	2.00	15,400.00
3	Supplying, installation, testing and commissioning of Mechanical Foam type 9 litre capacity Fire Extinguisher, ISI marked, IS: 10204, containing 540 ml AFFF liquid ISI marked, IS: 4989 Part II and a polyurethane coated CO2 Gas Cartridge, ISI marked, IS: 4947 complete with gunmetal union cap, nylon hose with plastic foam making branch and wall mounting bracket as per direction of Engineer-in-charge.	Each	3,659.00	2.00	7,318.00
4	Sand Buket as per IS Specicification	Each	500.00	3.00	1,500.00
5	Buket Stand to Store 10 nos of Buket also having Aluminium sheet above the to prevent the stand from rain/sunst.	Nos	2,820.00	1.00	2,820.00
	Total Fire Fighting Amount				33,566.00

TENDER FOR CONSTRUCTION OF MULTI-PURPOSE CENTRE (MPC) AT VARIOUS LOCATIONS FOR DISTRICT OF RAYAGADA, ODISHA (2nd Call)

NIT No: PCO/BBSR/980/200 Date- 26.09.2024

CONSTRUCTION OF MULTI-PURPOSE CENTRE (MPC) AT PENJA, DALIAKUJI, BISSAMCUTTACK IN THE DISTRICT OF RAYAGADA

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
	Architectural Consultancy Services	Lot	54530.87	1	54530.87
	Sub Total				54530.87
1	CIVIL WORKS				
Α	EARTH WORK				
	Earth work in stoney earth and gravels mixed with				
	stone and boulder not exceeding 0.014 cum in volume				
	within 50m initial lead and 1.5m initial lift including				
1	rough dressing and breaking clods to maximum 5cm to				
	7cm and laying in layer not exceeding 0.3m in depth and				
	as per specification approved by the dept.				
i	Ordinary Soil	CuM	210.97	200.42	42,282.61
ii	Soft Rock	CuM	329.01	51.15	16,828.86
iii	Hard Rock	CuM	2,726.10	2.56	6,978.82
	Supplying & Filling foundation trenches , plinth &			193.64	
	ditches with clean course river sand well watered and		782.30		
	rammed in layers not exceeding 23 c.m. in depth with all				
	lead and lift including cost, conveyance, loading,				4 54 404 57
2	unloading, stacking,royalties and all taxes of sand,cost	CuM			1,51,484.57
	& conveyance of water, cost of all Labour,labour				
	cess,T&P required for the work etc. complete in all				
	respect as directed by the Engineer- in -charge.				
	Back filling available excavated earth (excluding rock)				
	in trenches, plinth, sides of foundations etc. in layers				
3	not exceeding 20 cm in depth, consolidating each	CuM	117.20	34.20	4,008.24
	deposited layer by ramming and watering, lead upto 50				
	m and lift upto 1.5m.				
	Making plinth protection 150 mm thick of cement				
	concrete 1:3:6 (1 cement: 3 coarse sand : 6 graded				
4	stone aggregate 20 mm nominal size) over 75mm thick		-	-	_
	bed of dry brick ballast 40 mm nominal size, well				
	rammed and consolidated and grouted with fine sand,				
	including finishing the top smooth	SqM	2,392.90	51.75	1,23,832.58
В	PLAIN & REINFORCEMENT CONCRETE	JYIM	2,392.90	51.75	1,23,032,30

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
	Providing and laying P.C.C[1:4:8] using 4cm size metal				
	etc in foundation and floors using cement , 40 mm size				
	crusher broken H.G.Metal and screened and washed				
1	sharp river sand for mortar of approved quality and	CuM	5,187.70	34.35	1,78,197.50
	from approved quarry including hoisting ,lowering and				
	laying concrete to the required level, ramming				
	,watering and curing etc				
	Providing and laying in position ready mixed M25 grade				
	concrete having compressive strength at 28 days test				
2	not lessthan 250kg/sq.cm for reinforced cement				
	concrete work using cement content as per approved		-	_	-
	design mix etc including Rigid & smooth centering and				
	shuttering.				
a	For R.C.C foundation, footing bases of column, mass	CuM	6,526.95	68.94	4,49,967.93
	concrete, pre-cast etc.	Cuivi	0,020.90		1,15,507.50
Ь	For R.C.C plinth band etc.	CuM	7,348.40	11.99	88,107.32
С	R.C.C Beam & Coloum		-	-	-
i	Ground Floor	CuM	14,350.90	26.61	3,81,877.45
d	Lintel		-	-	-
i	Ground Floor	CuM	13,629.90	3.38	46,069.06
f	Chaja	_	-	-	-
i	Ground Floor	Sqm	1,130.52	12.15	13,735.82
<u>g</u>	Roof slab, Landing, Balcony,		-	-	-
i	Ground Floor Cutting ,Straightening coiled or bend up HYSD/TMT	CuM	12,943.90	27.43	3,55,051.18
3	Reinforcement bars welding or jointing if necessary ,		_	_	_
	bending ,tying the grills as required for R.C.C works				
	etcwinding wire extra				
a	Foundation	Qntl	8,861.00	45.93	4,06,985.73
Ь	Ground floor	Qntl	8,861.00	72.48	6,42,245.28
С	BRICK WORK		-	_	-
	Fly Ash Brick Masonry in cement mortar of mix				
	(1:6) using Fly Ash bricks of size $25c.m \times 11 c.m \times 8$				
	c.m in Foundation & Plinth having crushing strength				
	not less than 75 kg per square c.m. with cement and				
	screened & washed sharp sand for mortar after				
	immersing the bricks for 6 (Six) hours in water				
1	before use in works with all necessary projections,		-	-	-
	splays cutting, circular moulding, corbelling, chamfering, watering and curing etc. including cost,				
	coveyance,stacking, loading, unloading, royalties , all				
	taxes ,cost of all labour,Labour cess ,scaffolding,				
	sundries and T&P required for the works etc. complete				
	in all respect as directed by the Engineer-in-charge.				
	Foundation and Plinth	CuM	5,111.00	19.46	99,460.06

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
2	Fly Ash Brick Masonry in cement mortar of mix (1:6) using Fly Ash bricks of size 25c.m x 11 c.m x 8 c.m in superstructure having crushing strength not less than 75 kg per square c.m. with cement and screened & washed sharp sand for mortar after immersing the bricks for 6 (Six) hours in water before use in works with all necessary projections, splays cutting, circular moulding, corbelling, chamfering, watering and curing etc. including cost, coveyance, stacking, loading, unloading, royalties, all taxes, cost of all labour, Labour cess, scaffolding, sundries and T&P required for the works etc. complete in all respect as directed by the Engineer-in-charge.		-	-	-
а	Ground Floor	CuM	5,144.00	66.30	3,41,047.20
3	Fly Ash Brick masonry in cement mortar of mix [1:4] using Fly Ash bricks of size 25cm12cmx8cm in superstructure having crushing strength not less than 75 kg /m2 etc[Half Brick work]		-	-	-
а	Ground Floor	CuM	5,458.00	1.05	5,730.90
			-	-	-
D	PLASTERING & PAINTING		-	-	-
1	Providing 12mm. Thick cement plaster in cement mortar or mix(1:6) in all floors at all height with cement & screened and washed sharp river sand for mortar and finished smooth to the rough surface of the brick masonary walls after racking out the joints (alongwith providing grooves wherever necessary) including watering and curing, rounding of corners etc. complete with cost, conveyance, loading, unloading, royalities and taxes of all materials, cost of all labour, T&P, sundries and scaffolding required for the work etc. as directed by the Engineer-in- charge.		-	-	-
а	Ground floor	SqM	153.30	347.49	53,270.22
2	Providing 16mm. Thick cement plaster in cement mortar or mix(1:6) in all floors at all height with cement & screened and washed sharp river sand for mortar and finished smooth to the rough surface of the brick masonary walls after racking out the joints (alongwith providing grooves wherever necessary)including watering and curing, rounding of corners etc. complete with cost, conveyance, loading, unloading, royalities and taxes of all materials, cost of all labour, T&P, sundries and scaffolding required for the work etc. as directed by the Engineer-in- charge.		-	-	_
α	Ground floor	SqM	219.10	368.30	80,694.53

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
3	Finishing wall surface of wall with cement based wall putty [water based] of approved make and finished smooth and even surface to receive painting including cost etc		-	-	-
а	Ground Floor	SqM	81.61	924.15	75,419.88
4	Providing and applying 2 coats with 100% acrylic emulsion paint on New surface including one coat of primer (exterior quality) of approved make & shade by reputed manufacturer to make an even finished surface over a coat of primer with water bound cement primer in all heights with all scaffolding and staging charges including cost, conveyance, taxes of all materials, cost of all labours, T&P, sundries etc. as required for the work complete.		-		-
α	Ground floor	SqM	150.10	368.30	55,281.83
5	Supplying and painting of internal walls and ceiling with two or more coats of ACRYLIC emulsion paint on New surface which includes a coat of primer all complete. The shade and brand to be of approved brand & shade over the surfaces including preparation of surface, with cost of all materials, labour, conveyance taxes of all materials, scaffolding etc., as per the direction of the Engineer-in-charge.		-	-	-
а	Ground floor	SqM	149.30	555.86	82,989.90
6	Painting with synthetic enamel paint over a coat of primer of approved colour, shade and brand on New wood work /steel work in two or more coats as required to give an even shade including an under coat of suitable primer of approved brand and manufacturer including cost of all materials with taxes and transportation, loading, unloading, scaffolding, all labour, Labour cess, sundries, T&P, etc. complete as per the direction of the Engineer-in-charge including filling gaps with putties, scrapping, sand papering and cleaning the surface to make free from rusts, dusts and oily substances before applying primer etc.		-	-	-
α	Ground floor	sqm	216.80	25.20	5,463.36
_	ELOODING		-	-	-
1	FLOORING A. S flooring under layer of 25mm thick C.C. (1:2:4) with 12mm ize granite chips and top layer of 6mm thick plaster cement red oxide mix using 3.5kg or red oxide per 50 kg of cement 1:3 finished with a floating coat of cement and Red oxide mix of same proportion.		-	-	-
α	Ground floor	SqM	431.00	162.84	70,184.04

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
2	12mm thick cement plaster in CM(1:4) with cement punning for skirting & Dados including all cost. complete with cost, conveyance, royality of all materials and labour with T&P required for the work with royalities, taxes etc.complete in all floors as per direction of Engineer-in-charge.	SqM	175.10	20.57	3,601.81
F	DOOR & WINDOW		-	ı	1
1	Providing and fixing unplasticised poly vinyl chloride (UPVC) door in cluding all fittings and cost, conveyance of all materials, labours and T&P required for the work etc, all complete as per direction of engineer in charge.	Sqm	8,963.00	3.15	28,233.45
2	Providing and fixing 30 mm thick factory made single extruded WPC (Wood polymer composite) solid plain flush door shutter of required size fixing with stainless steel butt hinges of required size with necessary full body threaded star headed counter sunk S.S screws, all complete as per direction of engineer in	Sqm	4,424.00	15.75	69,678.00
3	Supplying, fitting, fixing up window (sliding type) made up aluminum Section 9778 as windows frame, section No. 4095, 4096 and 9777, 3994 as shutter frame with rubber beading including locking arrangement including all fitting including cost of materials all taxes labour, T&P etc. complete as per direction of Engineer-incharge. including cost of frosted glass & SS mosquito net.	Sqm	7,648.40	24.30	1,85,856.12
G	STEEL WORK		-	-	-
			-	-	-

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
1	Supplying, fitting and fixing of M.S grills, grill gates with top and bottom rails, (as per I.S. specification and as per approved drawings) in proper position in all floors and at all height including making holes to brick walls/ R.C.C structure/wood work etc. and making good to the damaged walls/ structures with cement concrete (1:2:4) with black hard crusher broken granite stone chips of 12mm to 20mm size (20mm size not to exceeds 25%) including watering and curing including cost, conveyance, loading, unloading, stacking, royalties and taxes of all materials, cost of all Labour, Labour cess ,Sundries, T&P required for the work etc.complete as per the direction of Engineer in charge (W.I. / M.S. windows grills, grill gates, collapsible gates with top and bottom rails, steel windows, steel doors, steel frames for doors and windows, staircase and parapet railings square bar along with required nos. of nails and screws and other required materials of approved quality and approved size shall be supplied by the contractor at his own cost.)	KG	89.50	864.00	77,328.00
2	Supplying, fitting and fixing of Stainless steel of 304 grade in hand railing using 50mm dia of 2mm thick circular pipe with balustrade of size 32mmx32mmx2mm @ 0.90mtr.C/C and stainless square pipe bracing of size 32mmx32mmx2mm in 3 rows in stair case as per approved design and specification ,buffing, polishing etc with cost,conveyance,taxes of all materials, labour, T & P etc. requird for the complete in all respect.	Rmt	3,524.00	22.50	79,290.00
- 11	Condition of the same		-	-	-
1	Grading plaster 2.5 cm thick grading Plaster (1:4) on roof slab with 6mm size HG chips including all cost, conveyance, royalty & taxes etc.comp.to work site for new work as per the specification approved by the department & direction of E.I.C	sqm	387.30	215.00	83,269.50
	TOTAL CIVIL WORK				43,04,451.75
2	PLUMBING AND SANITARY WORK				
	INTERNAL PH WORKS				

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
1	Supplying all materials, labour and T&P for fitting and fixing white glazed vitreous china porcelain Indian Pan water closet of size 23" of approved make confirming to IS-2556 and top inlet for sinking into floor with 100mm PVC 'P' trap etc. including supply of necessary cement concrete for fitting the closet etc. complete in all respect in all floors including cost, conveyance and taxes of all materials etc. complete and as per PH specification and direction of Engineer-in-charge.				
		Nos	5,617.40	2.00	11,234.80
2	Supplying all materials, labour and T&P for fitting and fixing white glazed vitreous china porcelain flat back urinal pan of approved make confirming to IS-2556 and top inlet for sinking into floor with 100mm PVC 'P' trap etc. including supply of necessary cement concrete for fitting the closet etc. complete in all respect in all floors including cost, conveyance and taxes of all materials etc. complete and as per PH specification and direction of Engineer-in-charge including marble partition in between urinals.		-	-	-
	 Supplying all materials, labour, T&P and fixing standard	Nos	12,288.40	2.00	24,576.80
3	sized shower (bath shower) of approved make etc complete including cutting the wall and making good the damages, including cost of all materials complete as per PH specification and direction of Engineering-incharge.		-	-	-
		Nos	993.00	2.00	1,986.00
4	fixing white glazed vitreous china porcelain wash basin of size 450mm × 300mm of approved make confirming to IS-2556 and top inlet for sinking into floor with 100mm PVC 'P' trap etc. including supply of necessary cement concrete for fitting the closet etc. complete in all respect in all floors including cost, conveyance and taxes of all materials etc. complete and as per PH specification and direction of Engineer-in-charge	N	-	-	-
		Nos	9,150.40	4.00	36,601.60
5	Supplying all materials, labour, T&P and fixing standard sized CP Bib cock of approved make etc complete including cutting the wall and making good the damages, including cost of all materials complete as per PH specification and direction of Engineering-in-charge.		-	-	-
		Nos	1,873.00	4.00	7,492.00

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
6	Supplying all materials, labour, T&P and fixing standard sized 15mm dia Angular Stop cock of approved make etc complete including cutting the wall and making good the damages, including cost of all materials complete as per PH specification and direction of Engineering-incharge.		-	-	-
	onal do.	Nos	1,158.40	4.00	4,633.60
7	Supplying all materials, labour, T&P and fixing standard 15mm sized pillar cock of approved make etc complete including cutting the wall and making good the damages, including cost of all materials complete as per PH specification and direction of Engineering-in-charge.		-	-	-
		Nos	1,626.00	4.00	6,504.00
8	Supplying all materials, labour, T&P and fixing standard sized Long body 15mm dia CP Bib cock of approved make etc complete including cutting the wall and making good the damages, including cost of all materials complete as per PH specification and direction of Engineering-in- charge.	Nos	2,107.00	4.00	8,428.00
	To Delice		-	-	-
9	Supplying all materials, labour, T&P and fixing standard sized two way CP Bib cock of approved make etc complete including cutting the wall and making good the damages, including cost of all materials complete as per PH specification and direction of Engineering-in-charge.	Nos	1,873.40	2.00	3,746.80
10	Supplying all materials, labour, T&P and fixing standard sized shower (Health Faucet) of approved make etc complete including cutting the wall and making good the damages, including cost of all materials complete as per PH specification and direction of Engineering-incharge.	Nos	993.00	2.00	1,986.00
11	Supplying all materials, labour, T&P and fixing standard sized Chromium Plated brass towel rail complete with Chromium Plated brass brackets fixed to wooden plugs with Chromium Plated brass screws as per specification and direction of the Engineer in charge	Nos	1,369.70	- 2.00	2,739.40
	Finite (00.4F0h. II. I. I. I. I. I. I.	1405	1,309./0	2.00	2,739.40
12	Fixing 600x450mm bevelled edge mirror of superior glass mounted on 6mm thick A.C sheet or plywood sheet and fixed to wooden plugs with Chromium Plated brass screws and washers complete as per specification and direction of the Engineer in charge		-	-	-
		NOS	1,841.80	4.00	7,367.20

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
13	Supplying all materials, labour, T&P and fittings and fixing of Poly Propelene white double layer water storage Tank of approved make confirming to IS 12701-1996 including cutting holes through the tank and fixing mild steel tubes and fittings and providing extra sockets and jam nuts, fixing ball valve etc including hoisting upto terrace level and placing the tank to the required position etc all complete as per PH specification and direction of Engineer-in-charge. (To provided with brick masonary guard walls which will be paid separately)		-	-	-
α	2000 ltr	Nos	25,364.70	1.00	25,364.70
			-	-	-
14	Supplying all materials, labours, T&P and fitting and fixing of the following size of CPVC pipe confirming to IS 15778 certification mark with socket and screw joints in walls and floors including supplying of required number of fittings of approved make including cutting threads to pipes and pipes to length, including wastage, etc for fitting to the walls with supply of holder ats, clamps, fixing wooden plugs in walls, including testing of pipe line for water tightness complete as per IS specification including cost, conveyance and taxes of all materials all complete as per PH specification and direction of Engineer-in-		-	-	-
a	25 mm dia	R.mtr	368.50	20.00	7,370.00
ь	32 mm dia	R.mtr	563.20	20.00	11,264.00
c	40mm dia	R.mtr	732.10	20.00	14,642.00
15	Providing all materials, labour, Fitting & fixing of CPVC Ball Valve with CTS socket. Make: Prince)		0	0	-
α	25mm Dia	Nos	842.00	1.00	842.00
Ь	32mm Dia	Nos	1,589.00	1.00	1,589.00
С	40mm dia	Nos	2,391.00	1.00	2,391.00
16	Supplying all materials, labours, T&P for cutting holes through existing brickwork including making good the damages in cement mortar (1:4) for taking GI pipes and fittings/PVC pipes and fittings etc all complete as per PH specification and direction of Engineer-in-charge.		-	-	-
		Nos	55.60	2.00	111.20
17	Supplying all materials, labours, T&P for cutting holes through existing RCC floors & roofs including making good the damages for taking GI pipes and fittings/PVC pipes and fittings etc all complete as per PH specification and direction of Engineer-in-charge.		-	-	-
		Nos	167.40	2.00	334.80
		. 103	107.10	2.00	

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
18	Supplyng all materials, labour, T&P for construction of brick masonary Gulley trap chamber of size300mm x 300mm with CI gulley trap, by Fly ash brick masonry in CM (1:4), CP (1:6) with 150mm x 150mm CI grating including labour and materials for fitting and fixing 100mm dia square mouth CI gully trap with supply of all jointing materials and encasing the gully trap with a block of CC (1:4:8) with 25mm size hard stone metal all complete with providing and fixing of 250mm x 250mm precast RCC cover slab including cost, conveyance, taxes of all materials to site complete as per the PH specification and direction of Engineer-in-charge.		-	-	-
		Nos	3,597.00	2.00	7,194.00
19	Providing all materials labour, T&P for making grooves in bricks/stone masonary walls vertically or horizontally up to required depth and width in all floor for laying of pipes and fittings up to 50mm dia, testing the joints with required water pressure and making good the damages with cement concrete 1:2:4 with 12mm size h.g.c.b.chips and finished smooth with cement morter (1:4) to original shape including cost of all materials, curing, conveyance of all materials etc. all complete excluding GST as per specification & direction of Engineer-in-charge.		0.00	0.00	-
		Rmt	251.20	20.00	5,024.00
II	External PH Supplying all materials, labours, T&P and fitting and		-	-	-
20	fixing of the following size of CPVC pipe confirming to IS 15778 certification mark with socket and screw joints in walls and floors including supplying of required number of fittings of approved make including cutting threads to pipes and pipes to length, including wastage, etc for fitting to the walls with supply of holder ats, clamps, fixing wooden plugs in walls, including testing of pipe line for water tightness complete as per IS specification including cost, conveyance and taxes of all materials all complete as per PH specification and direction of Engineer-in-		<u>-</u>	<u>-</u>	-
a	50mm dia	Rmt	1,153.60	10.00	11,536.00

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
21	Supplying all materials & labour, T&P and constructing brick masonary chamber for water sluice valve, single air valve & non return valve with Fly ash brick masonary in cement mortar (1:4) as per approved drawing and specification CC (1:4:8) with 4cm size hard granite metal on the bed, 12mm cement plaster (1:6) to inside and cement flush pointing (1:6) to outside surface with 100mm thick RCC M20 cover slab with 20mm hg chips using required quantity of tor steel, centring and shuttering to the slab and dismantling it after 31 days of casting, filling the outside cavity with excavated materials, watering, curing including cost, conveyance, taxes of all materials, labour charges for cutting, bending, binding and tying the grills in proper position etc all complete as per drawing, design and direction of Engineer-in-charge.		-	-	-
a	Chamber (0.75x0.75x0.7mtr)	Nos	9,760.00	1.00	9,760.00
			-	-	-
22	Supplying all materials, labour, T&P and fitting and fixing of double air valve of 50mm Dia confirming to the relevant IS specification and dimension including fixing it in position along the pipeline with supply of all required materials such as rubber insertion, nuts & bolts including cost of all materials, taxes, and duties, transportation charges from store to site etc all complete as per the direction of Engineer-in-charge.		-	-	-
		Nos	4,111.90	1.00	4,111.90
23	Supply, installation, testing and commissioning of automatic star delta control panel suitable for 2 HP pumpset including MS box fitted with main switch ,contactor, single phasing preventer, timer, selector switch, voltmetre, ammeter etc and connection with motor inside the sump with suitable cable etc complete as per the Direction of Engineer-in-charge. (Excluding power_supply)(MR)		-	-	-
		Set	14,500.00	1.00	14,500.00
	Septic Tank		-	-	-
24	Earth work in excavation in Hard rock by mechanical means (Hydraullic excavator)/ manual means overareas (exceeding 30 cm in depth, 1.5 m in width as well as 10sqm on plan) inculding disposal of excavated earth up to 50 m and lift upto 1.5m with all lead and lift including shoring, shuttering & dewatering (if required) with cost of all Labour, Labour cess ,Hire & Running charges of the water pumps, T & P required for the work complete as directed by the Engineer- in- charge.		-	-	-

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
α	Earth work excavation beyond 1.50mtr depth	CuM	210.97	6.00	1,265.82
25	Supplying and filling the Foundation & Plinth with clean coarse river sand of approved quality from approved quarry, laying in layers not exceeding 150mm thick, watering and ramming including cost, conveyance, royalty and taxes of all materials, cost of all labour, T&P etc. as required for the work complete as per direction of the Engineer-in-charge.		-	-	-
		CuM	782.30	2.73	2,135.68
26	Providing & laying cement concrete of prop. (1:4:8) in foundation bed and floors using 40mm nominal size down graded, screened, washed hard black crusher broken granite metal of approved quality & from approved quarry including laying in the layers not exceeding 100 mm thick etc. Providing and laying in position ready mixed M25 grade	CuM	5,187.70	0.75	3,890.78
27	Providing and laying in position ready mixed M25 grade concrete having compressive strength at 28 days test not lessthan 250kg/sq.cm for reinforced cement concrete work using cement content as per approved design mix etc		-	-	-
α	Foundation	CuM	6,526.95	1.00	6,526.95
Ь	RCC Wall	CuM	7,348.40	2.03	14,917.25
C	Slab	CuM	12,943.90	1.00	12,943.90
28	Cutting,straightening coiled or bent up HYSD/TMT Reinfocement Bars welding or jointing if necessary bending binding tving the grills as etc	Qntl	8,861.00	3.60	31,899.60
29	bending, binding, tying the grills as etc Providing 12mm. thick cement plaster with cement mortar of mix (1:4) in all floors cement and with screened and washed sharp sand for mortar with neat cement punning finished smooth to brick/RCC walls after racking out the joints including watering and curing complete with cost etc		-	-	-
30	Providing and laying of P.C.C. of 1:3:6 with 12 mm size hard granite metal in foundation trenches, under floors in line level including curing and ramming etc. all complete as per the direction of the Engineer-in-charge	SqM	153.30	0	1,867.19
	SHALAS	Sqm	6,294.80	0.34	2,140.23
31	Finishing walls with water proofing cement paint of approved shade on new work Two coat to give an even shade		-	-	-
32	Back filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20 cm in depth, consolidating each deposited layer by ramming and watering, lead upto 50 m and lift upto 1.5m.	Sqm	37.90	12.18 - 5.55	461.62 - 650.46
	1	1		0.00	333.10

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
33	Supplying and filling the Foundation & Plinth with clean coarse river sand of approved quality from approved quarry, laying in layers not exceeding 150mm thick, watering and ramming including cost, conveyance, royalty and taxes of all materials, cost of all labour, T&P etc. as required for the work complete as per direction of the Engineer-in-charge.		-	-	-
		CuM	782.30	1.00	782.30
34	Providing & laying cement concrete of prop. (1:4:8) in foundation bed and floors using 40mm nominal size down graded, screened, washed hard black crusher broken granite metal of approved quality & from approved quarry including laying in the layers not	CuM	5,187.70	0.62	3,216.37
35	exceeding 100 mm thick etc Providing and laying in position ready mixed M25 grade concrete having compressive strength at 28 days test not lessthan 250kg/sq.cm for reinforced cement concrete work using cement content as per approved design mix etc		-	-	-
α	Foundation	CuM	6,526.95	0.32	2,088.62
36	Providing 12mm. thick cement plaster with cement mortar of mix (1:4) in all floors cement and with screened and washed sharp sand for mortar with neat cement punning finished smooth to brick/RCC walls after racking out the joints including watering and curing complete with cost. etc.		-	-	-
		SqM	269.40	1.36	366.38
37	Providing and laying of P.C.C. of 1:3:6 with 12 mm size hard granite metal in foundation trenches, under floors in line level including curing and ramming etc. all complete as per the direction of the Engineer-incharge		0	0	-
	charde	Sqm	8,383.70	0.62	5,197.89
38	Fly Ash Brick Masonry in cement mortar of mix (1:6) using Fly Ash bricks of size 25c.m x 12 c.m x 8 c.m in Foundation & Plinth having crushing strength not less than 75 kg per square c.m. with cement and screened & washed sharp sand for mortar after immersing the bricks for 6 (Six) hours in water before use in works with all necessary projections, splays cutting, circular moulding, corbelling, chamfering, watering and curing etc. including cost, coveyance, stacking, loading, unloading, royalties, all taxes, cost of all labour, Labour cess, scaffolding, sundries and T&P required for the works etc. complete in all respect as directed by the Engineer-in-charge.		-	-	-
		CuM	5,379.00	6.37	34,264.23

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
39	Supplying all materials, labour, T&P, fitting and fixing uPVC SWR pipes (Type-B)(Co-moulded Ring type) of approved make confirming to IS-13592/1992with ISI marked, both below & above ground level or fixing on wall surface in all floors including transportation & scaffolding etc. all complete as per specification excluding GST & direction of the Engineer-in-charge.		0	0	-
α	Pipe 110mm dia	R.Mtr	828.11	30.00	24,843.30
ь	110mm×110mm 'P' Trap (Make:Astral)	nos	494.00	2.00	988.00
С	110mm dia single 'Y' withoutdoor	nos	479.00	2.00	958.00
d	110mm WC connector/Bend with lip ring	nos	360.00	2.00	720.00
e	110mm Socket plug	nos	180.00	2.00	360.00
f	Upvc Elbow	nos	786.00	2.00	1,572.00
40	Sinking of 200 mm x150mm size production well through DTH or combination drilling riges in hard rock area with PVC or GI casing pipes. 120mtr depth (1nos)	L.S	2,00,000.00	1.00	2,00,000.00
41	Supplying, fitting and fixing of Antiskid Ceramic Floor Tiles in flooring using special plain / printed series Ceramic Floor Tile of premium grade (having minimum thickness 7 mm to 8 mm & size 300 mm × 300 mm OR 600 mm ×600 mm, confirming to I.S 13755 of approved quality and shade in floors, treads on steps and landings on 25 m.m thick bed of cement mortar of mix (1:1) laid in proper slope and gradient with screened & washed sharp etc		-	-	-
	Ground floor	SqM	1,153.90	17.88	20,631.73
42	Supplying, fitting and fixing of ceramic glazed wall Tiles in skirting dado, risers of step and wall using special plain / printed series Ceramic wall Tile of premium grade (having minimum thickness 6.5 mm to 6.7 mm & size 300 mm x 300 mm OR 600mm x300 mm,		-	-	_
	Ground floor	SqM	1,317.60	68.46	90,202.90
	TOTAL of internal PH WORK[I]				6,98,222.00
3	ELECTRICAL WORK				

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount .
1	Wiring for light point/ fan/ exhaust fan point/ call bell point with 1.5 sqmm FRLS PVC insulated copper conductor single core cable in surface / recessed 2 mm thick PVC conduit with modular switch and earthing the point with 1.5 sqmm FRLS PVC insulated copper conductor single core cable including providing modular box with cover of requisite number of modules including providing cover plates as required. Make Conduit:Norepack/Precision/AKG Wire-KEI/Havells/Finolex Switch/socket-Legrand (myrius)/Panasonic(vision)/schneider(zencelo)		-	-	-
a)	Single light point controlled by one 6A switch or first light point of group control.	Each	785.00	20.00	15,700.00
b)	Subsequent point of group control	Each	515.00	4.00	2,060.00
2	Supplying and fixing two module steeped type electronic fan regulator with proper modular plate switch box including connections etc. as required. Switch/socket-Legrand (myrius)/Panasonic(vision)/schneider(zencelo)	Nos.	653.00	2.00	1,306.00
3	Supplying and fixing 6 Amp plug with 6 Amp switch (Modular Type) on existing board.	Nos.	356.00	8.00	2,848.00
4	Supplying and fixing including testing and commissioning of 6A modular socket outlet with 6 Amp switch including providing GI modular box with faceplate etc as required.		-	-	-
a)	1 nos 6 Amp 3-pin socket with 6 Amp switch.	Nos.	512.00	8.00	4,096.00
b)	2 nos 6 Amp 3-pin socket with 2 nos 6 Amp switch.	Nos.	909.00	6.00	5,454.00
5	Supply, installation, testing & commissioning of 6 / 16 Amp Plug Boards consisting of a 16 Amp clip-in type modular switch with indicator and a 6/16 Amp clip-in type modular socket fixed on metallic concealed box including interconnections and making good the damages caused complete as required and as per direction of Engineer-in-charge. Supplying, installation, testing & commissioning of 25		652.00	8.00	5,216.00
6	amp modular socket outlet on surface or in recess, on 1 Nos two module GI box with plate for socket point and one nos two module GI Box with face plate for switch etc. complete as direction of Engineer-in-charge. As per Crabtree(cat no-ACTO202504) or equivalent of Learand/Schneider		1,330.15	4.00	5,320.60
7	Wiring for circuit/ submain wiring along with earth wire of following size of FRLS heavy gauge PVC insulated copper conductor single core cable in heavy duty PVC conduit laid in surface/ recess as required.		-	-	-
a)	2X2.5 + 1X2.5 sqmm FRLS Cu wire (for Light circuit wiring)	mtr	233.05	75.00	17,478.75

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
b)	double core 4 sq mm. copper wire for phase and neutral	mtr	386.00	20.00	7,720.00
c)	double core 6 sq mm. copper wire for phase and neutral	mtr	452.05	20.00	9,041.00
8	Supply, delivery and fixing of Ceiling fan hook box made out of 18 swg GI sheet and containing 10 mm dia round ms bar projecting atleast 150mm on either side & duly bent to accommodate ceiling fan down rod bolt & having earthing arrangement as per direction of Engineer-in-charge.	Nos.	150.00	10.00	1,500.00
9	36Watt LED Light fitting (3300 Lumen) for PHILIPS .(CAT No:RC365B LED33- 6500 PSU OD WH)/Equivalent of Halonix/Panasonic/crompton as required	Each	3,983.00	10.00	39,830.00
10	20Watt LED Surface/suspended Battern Linear Luminaire (2000 Lumen) PHILIPS (CAT No:WT150C LED20S-6500 PSE OD GR) / Equivalent of Halonix/Panasonic/crompton	Each	1,753.00	10.00	17,530.00
11	6Watt LED Light fitting (600 Lumen) PHILIPS (CAT No:DN191B LED6S-6500 PSU WH S1) / Equivalent ofHalonix/Panasonic/crompton	Each	1,231.00	4.00	4,924.00
12	Supplying, installation, testing and commissioning of ceiling fan (5 star rating) including wiring the down rod, earthing etc as required (Make : Bajaj/Usha/		-	-	-
(a)	Crompton/ Orient/ Khaitan/ Havells). 1200 mm sweep	Nos.	2,656.00	10.00	26,560.00
13	Supplying, installation, testing and commissioning of Exhaust fan / fresh air fan with louvre (Make - Bajaj/Usha/ Crompton/ Orient/ Khaitan/ Havells) as required.		-	-	-
a)	225 mm sweep fibre body fresh air fan	Nos.	1,753.00	2.00	3,506.00
14	Supplying, installation, testing and commissioning of Split Air Conditioner (Make -DAIKINI/VOLTAS/BLUE STAR/as required.	Nos.	55,000.00	4.00	2,20,000.00
15	Supplying and fixing following way, TP and neutral, sheet steel, MCB distribution board, IP-43,IK09 with metal door ,415 V, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCBOs/ISOLATORS) Make- Legrand(Ekinoxe3/siemens(Betaguard)/Schneider Acti9		-	-	-
a)	6 way, Double door	Nos.	4,631.00	2.00	9,262.00

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
16	Supplying and fixing following way, single pole and neutral, sheet steel, MCB distribution board, IP-43, IK-09, 240 V, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCBOS/ISOLATORS)		-		-
a)	12 way, Double door	Each	2,523.00	2.00	5,046.00
17	Supplying and fixing following rating RCBOs/ MCBs in the existing DB complete with connections, testing and commissioning etc. as required Make-Legrand/L&T/ABB		-		
c)	6 Amp to 32 Amp, 10 KA SP MCB (C-Curve)	Each	305.00	2.00	610.00
18	Supplying and fixing of following sizes of heavy gauge PVC conduit along with accessories in surface/recess including cutting the wall and making good the same in case of recessed conduit as required.		-	-	
a)	20 mm	mtr	52.00	100.00	5,200.00
19	Earthing with GI earth pipe 4.5 meter long,40mm dia incluiding accessories and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc with charcoal/coke and salt as required	Nos.	5,809.32	1.00	5,809.32
20	Providing and fixing 25 mm X 5mm GI strip on surface or in recess for connection etc as required.	Mtr	129.00	5.00	645.00
21	Providing and fixing 6 SWG GI wire on surface or in recess for loop earthing along with surface/recessed MS Conduit/submain wiring/cables etc as required.	Mtr	37.00	5.00	185.00
	Total Chadried Amount		-	-	4 17 047 77
	Total Electrical Amount		-	-	4,16,847.67
4	FIRE FIGHTING SYSTEM		_	-	
			-	-	
1	Supplying installation testing and commissioning of ABC type fire extinguishers of 6 kg capacity confirming to IS:14609 & ABC powder confirming IS:13849 presurized with Nitrozen Gas marked.including cost of all material & labour for all floors & service building etc. all complete. Make-KANEX/FIRE SHILD /SAFEX or equivalent	Nos	3,264.00	2.00	6,528.00

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
2	Supplying, installation, testing and commissioning of CO_2 type Fire Extinguisher 4.5 kg capacity confirming to IS: 2878 made from ISI marked seamless cylinder confirming to IS: 7285, fitted with ISI marked controlled valve confirming to IS: 3224, high pressure 1mtr discharge hose & horn complete with initial gas charged with carrying handle & wall mounting bracket for all floors & service building etc. as per direction of Engineer-in-charge.Make-KANEX/FIRE SHILD /SAFEX or equivalentor equivalent	Nos	7,700.00	2.00	15,400.00
3	Supplying, installation, testing and commissioning of Mechanical Foam type 9 litre capacity Fire Extinguisher, ISI marked, IS: 10204, containing 540 ml AFFF liquid ISI marked, IS: 4989 Part II and a polyurethane coated CO2 Gas Cartridge, ISI marked, IS: 4947 complete with gunmetal union cap, nylon hose with plastic foam making branch and wall mounting bracket as per direction of Engineer-in-charge.	Each	3,659.00	2.00	7,318.00
4	Sand Buket as per IS Specicification	Each	500.00	3.00	1,500.00
5	Buket Stand to Store 10 nos of Buket also having Aluminium sheet above the to prevent the stand from rain/sunst.	Nos	2,820.00	1.00	2,820.00
	Total Fire Fighting Amount				33,566.00

TENDER FOR CONSTRUCTION OF MULTI-PURPOSE CENTRE (MPC) AT VARIOUS LOCATIONS FOR DISTRICT OF RAYAGADA, ODISHA (2nd Call)

NIT No: PCO/BBSR/980/200 Date- 26.09.2024

CONSTRUCTION OF MULTI-PURPOSE CENTRE (MPC) AT KHAJURI, KURLI, BISSAMCUTTACK IN THE DISTRICT OF RAYAGADA

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
	Architectural Consultancy Services	Lot	54648.01	1	54648.01
	Sub Total				54648.01
1	CIVIL WORKS				
Α	EARTH WORK				
	Earth work in stoney earth and gravels mixed with				
	stone and boulder not exceeding 0.014 cum in volume				
	within 50m initial lead and 1.5m initial lift including				
1	rough dressing and breaking clods to maximum 5cm to				
	7cm and laying in layer not exceeding 0.3m in depth and				
	as per specification approved by the dept.				
i	Ordinary Soil	CuM	210.97	201.66	42,544.21
ii	Soft Rock	CuM	329.01	51.15	16,828.86
iii	Hard Rock	CuM	2,726.10	2.56	6,978.82
	Supplying & Filling foundation trenches , plinth &				
	ditches with clean course river sand well watered and		848.00	193.64	
	rammed in layers not exceeding 23 c.m. in depth with all				
2	lead and lift including cost, conveyance, loading,	CuM			1,64,206.72
	unloading, stacking,royalties and all taxes of sand,cost				,,
	& conveyance of water, cost of all Labour,labour				
	cess,T&P required for the work etc. complete in all				
	respect as directed by the Engineer- in -charge.				
	Back filling available excavated earth (excluding rock)				
	in trenches, plinth, sides of foundations etc. in layers				
3	not exceeding 20 cm in depth, consolidating each	CuM	117.20	34.20	4,008.24
	deposited layer by ramming and watering, lead upto 50				
	m and lift upto 1.5m. Making plinth protection 150 mm thick of cement				
	concrete 1:3:6 (1 cement: 3 coarse sand: 6 graded				
	stone aggregate 20 mm nominal size) over 75mm thick				
4	bed of dry brick ballast 40 mm nominal size, well		-	-	-
	rammed and consolidated and grouted with fine sand,				
	including finishing the top smooth				
	THE TOP SHOW IT	SqM	2,392.90	51.75	1,23,832.58
В	PLAIN & REINFORCEMENT CONCRETE		-	-	-

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
	Providing and laying P.C.C[1:4:8] using 4cm size metal				
	etc in foundation and floors using cement , 40 mm size				
	crusher broken H.G.Metal and screened and washed				
1	sharp river sand for mortar of approved quality and	CuM	5,137.20	34.35	1,76,462.82
	from approved quarry including hoisting ,lowering and				
	laying concrete to the required level, ramming				
	,watering and curing etc				
	Providing and laying in position ready mixed M25 grade				
	concrete having compressive strength at 28 days test				
2	not lessthan 250kg/sq.cm for reinforced cement				
2	concrete work using cement content as per approved		-	-	-
	design mix etc including Rigid & smooth centering and				
	shuttering.				
	For R.C.C foundation, footing bases of column, mass	CuM	6,479.55	68.94	4,46,700.18
α	concrete,pre-cast etc.	CuM	0,47 9.55	00.94	7,70,700.10
Ь	For R.C.C plinth band etc.	CuM	7,301.00	11.99	87,538.99
С	R.C.C Beam & Coloum		-	-	-
i	Ground Floor	CuM	14,303.50	26.87	3,84,335.05
d	Lintel		-	-	-
i	Ground Floor	CuM	13,582.50	3.38	45,908.85
f	Chaja		-	-	-
i	Ground Floor	Sqm	1,127.56	12.15	13,699.85
g	Roof slab, Landing, Balcony,		-	-	-
i	Ground Floor Cutting ,Straightening coiled or bend up HYSD/TMT	CuM	12,896.50	27.43	3,53,751.00
3	Reinforcement bars welding or jointing if necessary ,		_	_	_
3	bending ,tying the grills as required for R.C.C works				
	etcwinding wire extra				
α	Foundation	Qntl	8,861.00	45.93	4,06,985.73
b	Ground floor	Qntl	8,861.00	72.87	6,45,701.07
С	BRICK WORK		-	-	-
	Fly Ash Brick Masonry in cement mortar of mix				
	(1:6) using Fly Ash bricks of size $25c.m \times 11 c.m \times 8$				
	c.m in Foundation & Plinth having crushing strength				
	not less than 75 kg per square c.m. with cement and				
	screened & washed sharp sand for mortar after				
	immersing the bricks for 6 (Six) hours in water				
1	before use in works with all necessary projections,		-	-	-
	splays cutting, circular moulding, corbelling, chamfering, watering and curing etc. including cost,				
	coveyance,stacking, loading, unloading, royalties , all				
	taxes ,cost of all labour,Labour cess ,scaffolding,				
	sundries and T&P required for the works etc. complete				
	in all respect as directed by the Engineer-in-charge.				
	Foundation and Plinth	CuM	5,111.00	19.46	99,460.06

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
2	Fly Ash Brick Masonry in cement mortar of mix (1:6) using Fly Ash bricks of size 25c.m x 11 c.m x 8 c.m in superstructure having crushing strength not less than 75 kg per square c.m. with cement and screened & washed sharp sand for mortar after immersing the bricks for 6 (Six) hours in water before use in works with all necessary projections, splays cutting, circular moulding, corbelling, chamfering, watering and curing etc. including cost, coveyance, stacking, loading, unloading, royalties, all taxes, cost of all labour, Labour cess, scaffolding, sundries and T&P required for the works etc. complete in all respect as directed by the Engineer-in-charge.		-	-	-
а	Ground Floor	CuM	5,144.00	66.30	3,41,047.20
3	Fly Ash Brick masonry in cement mortar of mix [1:4] using Fly Ash bricks of size 25cm12cmx8cm in superstructure having crushing strength not less than 75 kg /m2 etc[Half Brick work]		-	-	-
а	Ground Floor	CuM	5,458.00	1.05	5,730.90
			-	-	-
D	PLASTERING & PAINTING		-	-	-
1	Providing 12mm. Thick cement plaster in cement mortar or mix(1:6) in all floors at all height with cement & screened and washed sharp river sand for mortar and finished smooth to the rough surface of the brick masonary walls after racking out the joints (alongwith providing grooves wherever necessary) including watering and curing, rounding of corners etc. complete with cost, conveyance, loading, unloading, royalities and taxes of all materials, cost of all labour, T&P, sundries and scaffolding required for the work etc. as directed by the Engineer-in- charge.		-	-	-
а	Ground floor	SqM	153.30	347.49	53,270.22
2	Providing 16mm. Thick cement plaster in cement mortar or mix(1:6) in all floors at all height with cement & screened and washed sharp river sand for mortar and finished smooth to the rough surface of the brick masonary walls after racking out the joints (alongwith providing grooves wherever necessary)including watering and curing, rounding of corners etc. complete with cost, conveyance, loading, unloading, royalities and taxes of all materials, cost of all labour, T&P, sundries and scaffolding required for the work etc. as directed by the Engineer-in- charge.		-	-	_
α	Ground floor	SqM	219.10	368.30	80,694.53

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
3	Finishing wall surface of wall with cement based wall putty [water based] of approved make and finished smooth and even surface to receive painting including cost etc		-	-	-
а	Ground Floor	SqM	81.61	924.15	75,419.88
4	Providing and applying 2 coats with 100% acrylic emulsion paint on New surface including one coat of primer (exterior quality) of approved make & shade by reputed manufacturer to make an even finished surface over a coat of primer with water bound cement primer in all heights with all scaffolding and staging charges including cost, conveyance, taxes of all materials, cost of all labours, T&P, sundries etc. as required for the work complete.		-		-
α	Ground floor	SqM	150.10	368.30	55,281.83
5	Supplying and painting of internal walls and ceiling with two or more coats of ACRYLIC emulsion paint on New surface which includes a coat of primer all complete. The shade and brand to be of approved brand & shade over the surfaces including preparation of surface, with cost of all materials, labour, conveyance taxes of all materials, scaffolding etc., as per the direction of the Engineer-in-charge.		-	-	-
а	Ground floor	SqM	149.30	555.86	82,989.90
6	Painting with synthetic enamel paint over a coat of primer of approved colour, shade and brand on New wood work /steel work in two or more coats as required to give an even shade including an under coat of suitable primer of approved brand and manufacturer including cost of all materials with taxes and transportation, loading, unloading, scaffolding, all labour, Labour cess, sundries, T&P, etc. complete as per the direction of the Engineer-in-charge including filling gaps with putties, scrapping, sand papering and cleaning the surface to make free from rusts, dusts and oily substances before applying primer etc.		-	-	-
а	Ground floor	sqm	216.80	25.20	5,463.36
E	FLOORING		-	-	-
1	A. S flooring under layer of 25mm thick C.C. (1:2:4) with 12mm ize granite chips and top layer of 6mm thick plaster cement red oxide mix using 3.5kg or red oxide per 50 kg of cement 1:3 finished with a floating coat of cement and Red oxide mix of same proportion.		-	-	-
α	Ground floor	SqM	430.00	162.84	70,021.20

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
2	12mm thick cement plaster in CM(1:4) with cement punning for skirting & Dados including all cost. complete with cost, conveyance, royality of all materials and labour with T&P required for the work with royalities, taxes etc.complete in all floors as per direction of Engineer-in-charge.	SqM	175.10	20.57	3,601.81
F	DOOR & WINDOW		-	ı	1
1	Providing and fixing unplasticised poly vinyl chloride (UPVC) door in cluding all fittings and cost, conveyance of all materials, labours and T&P required for the work etc, all complete as per direction of engineer in charge.	Sqm	8,963.00	3.15	28,233.45
2	Providing and fixing 30 mm thick factory made single extruded WPC (Wood polymer composite) solid plain flush door shutter of required size fixing with stainless steel butt hinges of required size with necessary full body threaded star headed counter sunk S.S screws, all complete as per direction of engineer in	Sqm	4,424.00	15.75	69,678.00
3	Supplying, fitting, fixing up window (sliding type) made up aluminum Section 9778 as windows frame, section No. 4095, 4096 and 9777, 3994 as shutter frame with rubber beading including locking arrangement including all fitting including cost of materials all taxes labour, T&P etc. complete as per direction of Engineer-incharge. including cost of frosted glass & SS mosquito net.	Sqm	7,648.40	24.30	1,85,856.12
G	STEEL WORK		-	-	-
			-	-	-

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
1	Supplying, fitting and fixing of M.S grills, grill gates with top and bottom rails, (as per I.S. specification and as per approved drawings) in proper position in all floors and at all height including making holes to brick walls/ R.C.C structure/wood work etc. and making good to the damaged walls/ structures with cement concrete (1:2:4) with black hard crusher broken granite stone chips of 12mm to 20mm size (20mm size not to exceeds 25%) including watering and curing including cost, conveyance, loading, unloading, stacking, royalties and taxes of all materials, cost of all Labour, Labour cess, Sundries, T&P required for the work etc.complete as per the direction of Engineer in charge (W.I. / M.S. windows grills, grill gates, collapsible gates with top and bottom rails, steel windows, steel doors, steel frames for doors and windows, staircase and parapet railings square bar along with required nos. of nails and screws and other required materials of approved quality and approved size shall be supplied by the contractor at his own cost.)	KG	89.50	864.00	77,328.00
2	Supplying, fitting and fixing of Stainless steel of 304 grade in hand railing using 50mm dia of 2mm thick circular pipe with balustrade of size 32mmx32mmx2mm @ 0.90mtr.C/C and stainless square pipe bracing of size 32mmx32mmx2mm in 3 rows in stair case as per approved design and specification ,buffing, polishing etc with cost,conveyance,taxes of all materials, labour, T & P etc. requird for the complete in all respect.	Rmt	3,524.00	22.50	79,290.00
			-	-	-
1 1	Grading plaster 2.5 cm thick grading Plaster (1:4) on roof slab with 6mm size HG chips including all cost, conveyance, royalty & taxes etc.comp.to work site for new work as per the specification approved by the department & direction of E.I.C	sqm	387.30	215.00	- 83,269.50
	TOTAL CIVIL WORK				43,16,118.93
					.5,25,225.70
2	PLUMBING AND SANITARY WORK				
	INTERNAL PH WORKS				

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
1	Supplying all materials, labour and T&P for fitting and fixing white glazed vitreous china porcelain Indian Pan water closet of size 23" of approved make confirming to IS-2556 and top inlet for sinking into floor with 100mm PVC 'P' trap etc. including supply of necessary cement concrete for fitting the closet etc. complete in all respect in all floors including cost, conveyance and taxes of all materials etc. complete and as per PH specification and direction of Engineer-in-charge.				
		Nos	5,615.16	2.00	11,230.32
2	Supplying all materials, labour and T&P for fitting and fixing white glazed vitreous china porcelain flat back urinal pan of approved make confirming to IS-2556 and top inlet for sinking into floor with 100mm PVC 'P' trap etc. including supply of necessary cement concrete for fitting the closet etc. complete in all respect in all floors including cost, conveyance and taxes of all materials etc. complete and as per PH specification and direction of Engineer-in-charge including marble partition in between urinals.		-	-	-
	Supplying all materials, labour, T&P and fixing standard	Nos	12,288.40	2.00	24,576.80
3	sized shower (bath shower) of approved make etc complete including cutting the wall and making good the damages, including cost of all materials complete as per PH specification and direction of Engineering-incharge.		-	-	-
		Nos	993.00	2.00	1,986.00
4	fixing white glazed vitreous china porcelain wash basin of size 450mm × 300mm of approved make confirming to IS-2556 and top inlet for sinking into floor with 100mm PVC 'P' trap etc. including supply of necessary cement concrete for fitting the closet etc. complete in all respect in all floors including cost, conveyance and taxes of all materials etc. complete and as per PH specification and direction of Engineer-in-charge	Ne	- 0 150 10	-	-
		Nos	9,150.40	4.00	36,601.60
5	Supplying all materials, labour, T&P and fixing standard sized CP Bib cock of approved make etc complete including cutting the wall and making good the damages, including cost of all materials complete as per PH specification and direction of Engineering-in-charge.		-	-	-
		Nos	1,873.00	4.00	7,492.00

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
6	Supplying all materials, labour, T&P and fixing standard sized 15mm dia Angular Stop cock of approved make etc complete including cutting the wall and making good the damages, including cost of all materials complete as per PH specification and direction of Engineering-incharge.		-	-	-
	onal do.	Nos	1,158.40	4.00	4,633.60
7	Supplying all materials, labour, T&P and fixing standard 15mm sized pillar cock of approved make etc complete including cutting the wall and making good the damages, including cost of all materials complete as per PH specification and direction of Engineering-in-charge.		-	-	-
		Nos	1,626.00	4.00	6,504.00
8	Supplying all materials, labour, T&P and fixing standard sized Long body 15mm dia CP Bib cock of approved make etc complete including cutting the wall and making good the damages, including cost of all materials complete as per PH specification and direction of Engineering-in- charge.	Nos	2,107.00	4.00	8,428.00
	To Delice		-	-	-
9	Supplying all materials, labour, T&P and fixing standard sized two way CP Bib cock of approved make etc complete including cutting the wall and making good the damages, including cost of all materials complete as per PH specification and direction of Engineering-in-charge.	Nos	1,873.40	2.00	3,746.80
10	Supplying all materials, labour, T&P and fixing standard sized shower (Health Faucet) of approved make etc complete including cutting the wall and making good the damages, including cost of all materials complete as per PH specification and direction of Engineering-incharge.	Nos	993.00	2.00	1,986.00
11	Supplying all materials, labour, T&P and fixing standard sized Chromium Plated brass towel rail complete with Chromium Plated brass brackets fixed to wooden plugs with Chromium Plated brass screws as per specification and direction of the Engineer in charge	Nos	1,369.70	- 2.00	2,739.40
	Finite (00.4F0h. II. I. I. I. I. I. I.	1405	1,309./0	2.00	2,739.40
12	Fixing 600x450mm bevelled edge mirror of superior glass mounted on 6mm thick A.C sheet or plywood sheet and fixed to wooden plugs with Chromium Plated brass screws and washers complete as per specification and direction of the Engineer in charge		-	-	-
		NOS	1,841.80	4.00	7,367.20

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
13	Supplying all materials, labour, T&P and fittings and fixing of Poly Propelene white double layer water storage Tank of approved make confirming to IS 12701-1996 including cutting holes through the tank and fixing mild steel tubes and fittings and providing extra sockets and jam nuts, fixing ball valve etc including hoisting upto terrace level and placing the tank to the required position etc all complete as per PH specification and direction of Engineer-in-charge. (To provided with brick masonary guard walls which will be paid separately)		-	-	-
α	2000 ltr	Nos	25,364.70	1.00	25,364.70
			-	-	-
14	Supplying all materials, labours, T&P and fitting and fixing of the following size of CPVC pipe confirming to IS 15778 certification mark with socket and screw joints in walls and floors including supplying of required number of fittings of approved make including cutting threads to pipes and pipes to length, including wastage, etc for fitting to the walls with supply of holder ats, clamps, fixing wooden plugs in walls, including testing of pipe line for water tightness complete as per IS specification including cost, conveyance and taxes of all materials all complete as per PH specification and direction of Engineer-in-		-	-	-
a	25 mm dia	R.mtr	368.50	20.00	7,370.00
ь	32 mm dia	R.mtr	563.20	20.00	11,264.00
c	40mm dia	R.mtr	732.10	20.00	14,642.00
15	Providing all materials, labour, Fitting & fixing of CPVC Ball Valve with CTS socket. Make: Prince)		0	0	-
α	25mm Dia	Nos	842.00	1.00	842.00
Ь	32mm Dia	Nos	1,589.00	1.00	1,589.00
С	40mm dia	Nos	2,391.00	1.00	2,391.00
16	Supplying all materials, labours, T&P for cutting holes through existing brickwork including making good the damages in cement mortar (1:4) for taking GI pipes and fittings/PVC pipes and fittings etc all complete as per PH specification and direction of Engineer-in-charge.		-	-	-
		Nos	55.60	2.00	111.20
17	Supplying all materials, labours, T&P for cutting holes through existing RCC floors & roofs including making good the damages for taking GI pipes and fittings/PVC pipes and fittings etc all complete as per PH specification and direction of Engineer-in-charge.		-	-	-
		Nos	167.40	2.00	334.80
		. 103	107.10	2.00	1 33 1.00

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
18	Supplyng all materials, labour, T&P for construction of brick masonary Gulley trap chamber of size300mm x 300mm with CI gulley trap, by Fly ash brick masonry in CM (1:4), CP (1:6) with 150mm x 150mm CI grating including labour and materials for fitting and fixing 100mm dia square mouth CI gully trap with supply of all jointing materials and encasing the gully trap with a block of CC (1:4:8) with 25mm size hard stone metal all complete with providing and fixing of 250mm x 250mm precast RCC cover slab including cost, conveyance, taxes of all materials to site complete as per the PH specification and direction of Engineer-in-charge.		-	-	-
		Nos	3,596.00	2.00	7,192.00
19	Providing all materials labour, T&P for making grooves in bricks/stone masonary walls vertically or horizontally up to required depth and width in all floor for laying of pipes and fittings up to 50mm dia, testing the joints with required water pressure and making good the damages with cement concrete 1:2:4 with 12mm size h.g.c.b.chips and finished smooth with cement morter (1:4) to original shape including cost of all materials, curing, conveyance of all materials etc. all complete excluding GST as per specification & direction of Engineer-in-charge.		0.00	0.00	-
		Rmt	250.80	20.00	5,016.00
II	External PH Supplying all materials, labours, T&P and fitting and		-	-	-
20	fixing of the following size of CPVC pipe confirming to IS 15778 certification mark with socket and screw joints in walls and floors including supplying of required number of fittings of approved make including cutting threads to pipes and pipes to length, including wastage, etc for fitting to the walls with supply of holder ats, clamps, fixing wooden plugs in walls, including testing of pipe line for water tightness complete as per IS specification including cost, conveyance and taxes of all materials all complete as per PH specification and direction of Engineer-in-		-	-	<u>-</u>
a	50mm dia	Rmt	1,153.60	10.00	11,536.00

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
21	Supplying all materials & labour, T&P and constructing brick masonary chamber for water sluice valve, single air valve & non return valve with Fly ash brick masonary in cement mortar (1:4) as per approved drawing and specification CC (1:4:8) with 4cm size hard granite metal on the bed, 12mm cement plaster (1:6) to inside and cement flush pointing (1:6) to outside surface with 100mm thick RCC M20 cover slab with 20mm hg chips using required quantity of tor steel, centring and shuttering to the slab and dismantling it after 31 days of casting, filling the outside cavity with excavated materials, watering, curing including cost, conveyance, taxes of all materials, labour charges for cutting, bending, binding and tying the grills in proper position etc all complete as per drawing, design and direction of Engineer-in- charge.		-	-	1
a	Chamber (0.75x0.75x0.7mtr)	Nos	9,764.00	1.00	9,764.00
			-	-	-
22	Supplying all materials, labour, T&P and fitting and fixing of double air valve of 50mm Dia confirming to the relevant IS specification and dimension including fixing it in position along the pipeline with supply of all required materials such as rubber insertion, nuts & bolts including cost of all materials, taxes, and duties, transportation charges from store to site etc all complete as per the direction of Engineer-in-charge.		-	-	-
		Nos	4,111.90	1.00	4,111.90
23	Supply, installation, testing and commissioning of automatic star delta control panel suitable for 2 HP pumpset including MS box fitted with main switch ,contactor, single phasing preventer, timer, selector switch, voltmetre, ammeter etc and connection with motor inside the sump with suitable cable etc complete as per the Direction of Engineer-in-charge. (Excluding power supply)(MR)		-	-	-
		Set	14,500.00	1.00	14,500.00
	Septic Tank		-	-	-
24	Earth work in excavation in Hard rock by mechanical means (Hydraullic excavator)/ manual means overareas (exceeding 30 cm in depth, 1.5 m in width as well as 10sqm on plan) inculding disposal of excavated earth up to 50 m and lift upto 1.5m with all lead and lift including shoring, shuttering & dewatering (if required) with cost of all Labour, Labour cess ,Hire & Running charges of the water pumps, T & P required for the work complete as directed by the Engineer- in- charge.		-	-	-

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
α	Earth work excavation beyond 1.50mtr depth	CuM	210.97	6.00	1,265.82
25	Supplying and filling the Foundation & Plinth with clean coarse river sand of approved quality from approved quarry, laying in layers not exceeding 150mm thick, watering and ramming including cost, conveyance, royalty and taxes of all materials, cost of all labour, T&P etc. as required for the work complete as per direction of the Engineer-in-charge.		-	-	-
		CuM	848.00	2.73	2,315.04
26	Providing & laying cement concrete of prop. (1:4:8) in foundation bed and floors using 40mm nominal size down graded, screened, washed hard black crusher broken granite metal of approved quality & from approved quarry including laying in the layers not exceeding 100 mm thick etc. Providing and laying in position ready mixed M25 grade	CuM	5,137.20	0.75	3,852.90
27	Providing and laying in position ready mixed M25 grade concrete having compressive strength at 28 days test not lessthan 250kg/sq.cm for reinforced cement concrete work using cement content as per approved design mix etc		-	-	-
α	Foundation	CuM	6,479.55	1.00	6,479.55
Ь	RCC Wall	CuM	7,301.00	2.03	14,821.03
С	Slab	CuM	12,896.50	1.00	12,896.50
28	Cutting,straightening coiled or bent up HYSD/TMT Reinfocement Bars welding or jointing if necessary bending binding tying the grills as etc	Qntl	8,861.00	3.60	31,899.60
29	bending, binding, tying the grills as etc Providing 12mm. thick cement plaster with cement mortar of mix (1:4) in all floors cement and with screened and washed sharp sand for mortar with neat cement punning finished smooth to brick/RCC walls after racking out the joints including watering and curing complete with cost etc		-	-	-
30	Providing and laying of P.C.C. of 1:3:6 with 12 mm size hard granite metal in foundation trenches, under floors in line level including curing and ramming etc. all complete as per the direction of the Engineer-in-charge	SqM	153.30	0	1,867.19
	<u> </u>	Sqm	6,244.30	0.34	2,123.06
31	Finishing walls with water proofing cement paint of approved shade on new work Two coat to give an even shade		-	-	-
32	Back filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20 cm in depth, consolidating each deposited layer by ramming and watering, lead upto 50 m and lift upto 1.5m.	Sqm	37.90 - 117.20	12.18 - 5.55	461.62 - 650.46
	Soak Pit	 			

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
33	Supplying and filling the Foundation & Plinth with clean coarse river sand of approved quality from approved quarry, laying in layers not exceeding 150mm thick, watering and ramming including cost, conveyance, royalty and taxes of all materials, cost of all labour, T&P etc. as required for the work complete as per direction of the Engineer-in-charge.		-	-	-
	an ection of the Engineer in charge.	CuM	848.00	1.00	848.00
34	Providing & laying cement concrete of prop. (1:4:8) in foundation bed and floors using 40mm nominal size down graded, screened, washed hard black crusher broken granite metal of approved quality & from approved quarry including laying in the layers not	CuM	5,137.20	0.62	3,185.06
35	exceeding 100 mm thick etc Providing and laying in position ready mixed M25 grade concrete having compressive strength at 28 days test not lessthan 250kg/sq.cm for reinforced cement concrete work using cement content as per approved design mix etc		-	-	-
α	Foundation	CuM	6,479.55	0.32	2,073.46
36	Providing 12mm. thick cement plaster with cement mortar of mix (1:4) in all floors cement and with screened and washed sharp sand for mortar with neat cement punning finished smooth to brick/RCC walls after racking out the joints including watering and curing complete with cost. etc.		-	-	-
		SqM	270.80	1.36	368.29
37	Providing and laying of P.C.C. of 1:3:6 with 12 mm size hard granite metal in foundation trenches, under floors in line level including curing and ramming etc. all complete as per the direction of the Engineer-incharge		0	0	-
	charde	Sqm	8,364.70	0.62	5,186.11
38	Fly Ash Brick Masonry in cement mortar of mix (1:6) using Fly Ash bricks of size 25c.m x 12 c.m x 8 c.m in Foundation & Plinth having crushing strength not less than 75 kg per square c.m. with cement and screened & washed sharp sand for mortar after immersing the bricks for 6 (Six) hours in water before use in works with all necessary projections, splays cutting, circular moulding, corbelling, chamfering, watering and curing etc. including cost, coveyance, stacking, loading, unloading, royalties, all taxes, cost of all labour, Labour cess, scaffolding, sundries and T&P required for the works etc. complete in all respect as directed by the Engineer-in-charge.		-	-	-
		CuM	5,397.00	6.37	34,378.89

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
39	Supplying all materials, labour, T&P, fitting and fixing uPVC SWR pipes (Type-B)(Co-moulded Ring type) of approved make confirming to IS-13592/1992with ISI marked, both below & above ground level or fixing on wall surface in all floors including transportation & scaffolding etc. all complete as per specification excluding GST & direction of the Engineer-in-charge.		0	0	-
α	Pipe 110mm dia	R.Mtr	828.11	30.00	24,843.30
Ь	110mm×110mm 'P' Trap (Make:Astral)	nos	494.00	2.00	988.00
С	110mm dia single 'Y' withoutdoor	nos	479.00	2.00	958.00
d	110mm WC connector/Bend with lip ring	nos	360.00	2.00	720.00
e	110mm Socket plug	nos	180.00	2.00	360.00
f	Upvc Elbow	nos	786.00	2.00	1,572.00
40	Sinking of 200 mm ×150mm size production well through DTH or combination drilling riges in hard rock area with PVC or GI casing pipes. 120mtr depth (1nos)	L.S	2,00,000.00	1.00	2,00,000.00
41	Supplying, fitting and fixing of Antiskid Ceramic Floor Tiles in flooring using special plain / printed series Ceramic Floor Tile of premium grade (having minimum thickness 7 mm to 8 mm & size 300 mm × 300 mm OR 600 mm ×600 mm, confirming to I.S 13755 of approved quality and shade in floors, treads on steps and landings on 25 m.m thick bed of cement mortar of mix (1:1) laid in proper slope and gradient with screened & washed sharp etc		-	-	-
	Ground floor	SqM	1,153.90	17.88	20,631.73
42	Supplying, fitting and fixing of ceramic glazed wall Tiles in skirting dado, risers of step and wall using special plain / printed series Ceramic wall Tile of premium grade (having minimum thickness 6.5 mm to 6.7 mm & size 300 mm × 300 mm OR 600mm ×300 mm,		-	-	-
	Ground floor	SqM	1,317.60	68.46	90,202.90
	TOTAL of internal PH WORK[I]				6,98,268.83
3	ELECTRICAL WORK				

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount .
1	Wiring for light point/ fan/ exhaust fan point/ call bell point with 1.5 sqmm FRLS PVC insulated copper conductor single core cable in surface / recessed 2 mm thick PVC conduit with modular switch and earthing the point with 1.5 sqmm FRLS PVC insulated copper conductor single core cable including providing modular box with cover of requisite number of modules including providing cover plates as required. Make Conduit:Norepack/Precision/AKG Wire-KEI/Havells/Finolex Switch/socket-Legrand (myrius)/Panasonic(vision)/schneider(zencelo)		-	-	-
a)	Single light point controlled by one 6A switch or first light point of group control.	Each	785.00	20.00	15,700.00
b)	Subsequent point of group control	Each	515.00	4.00	2,060.00
2	Supplying and fixing two module steeped type electronic fan regulator with proper modular plate switch box including connections etc. as required. Switch/socket-Legrand (myrius)/Panasonic(vision)/schneider(zencelo)	Nos.	653.00	2.00	1,306.00
3	Supplying and fixing 6 Amp plug with 6 Amp switch (Modular Type) on existing board.	Nos.	356.00	8.00	2,848.00
4	Supplying and fixing including testing and commissioning of 6A modular socket outlet with 6 Amp switch including providing GI modular box with faceplate etc as required.		-	-	-
a)	1 nos 6 Amp 3-pin socket with 6 Amp switch.	Nos.	512.00	8.00	4,096.00
b)	2 nos 6 Amp 3-pin socket with 2 nos 6 Amp switch.	Nos.	909.00	6.00	5,454.00
5	Supply, installation, testing & commissioning of 6 / 16 Amp Plug Boards consisting of a 16 Amp clip-in type modular switch with indicator and a 6/16 Amp clip-in type modular socket fixed on metallic concealed box including interconnections and making good the damages caused complete as required and as per direction of Engineer-in-charge. Supplying, installation, testing & commissioning of 25		652.00	8.00	5,216.00
6	amp modular socket outlet on surface or in recess, on 1 Nos two module GI box with plate for socket point and one nos two module GI Box with face plate for switch etc. complete as direction of Engineer-in-charge. As per Crabtree(cat no-ACTO202504) or equivalent of Learand/Schneider		1,330.15	4.00	5,320.60
7	Wiring for circuit/ submain wiring along with earth wire of following size of FRLS heavy gauge PVC insulated copper conductor single core cable in heavy duty PVC conduit laid in surface/ recess as required.		-	-	-
a)	2X2.5 + 1X2.5 sqmm FRLS Cu wire (for Light circuit wiring)	mtr	233.05	75.00	17,478.75

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
b)	double core 4 sq mm. copper wire for phase and neutral	mtr	386.00	20.00	7,720.00
c)	double core 6 sq mm. copper wire for phase and neutral	mtr	452.05	20.00	9,041.00
8	Supply, delivery and fixing of Ceiling fan hook box made out of 18 swg GI sheet and containing 10 mm dia round ms bar projecting atleast 150mm on either side & duly bent to accommodate ceiling fan down rod bolt & having earthing arrangement as per direction of Engineer-in-charge.	Nos.	150.00	10.00	1,500.00
9	36Watt LED Light fitting (3300 Lumen) for PHILIPS .(CAT No:RC365B LED33- 6500 PSU OD WH)/Equivalent of Halonix/Panasonic/crompton as required	Each	3,983.00	10.00	39,830.00
10	20Watt LED Surface/suspended Battern Linear Luminaire (2000 Lumen) PHILIPS (CAT No:WT150C LED20S-6500 PSE OD GR) / Equivalent of Halonix/Panasonic/crompton	Each	1,753.00	10.00	17,530.00
11	6Watt LED Light fitting (600 Lumen) PHILIPS (CAT No:DN191B LED6S-6500 PSU WH S1) / Equivalent ofHalonix/Panasonic/crompton	Each	1,231.00	4.00	4,924.00
12	Supplying, installation, testing and commissioning of ceiling fan (5 star rating) including wiring the down rod, earthing etc as required (Make : Bajaj/Usha/		-	-	-
(a)	Crompton/ Orient/ Khaitan/ Havells). 1200 mm sweep	Nos.	2,656.00	10.00	26,560.00
13	Supplying, installation, testing and commissioning of Exhaust fan / fresh air fan with louvre (Make - Bajaj/Usha/ Crompton/ Orient/ Khaitan/ Havells) as required.		-	-	-
a)	225 mm sweep fibre body fresh air fan	Nos.	1,753.00	2.00	3,506.00
14	Supplying, installation, testing and commissioning of Split Air Conditioner (Make -DAIKINI/VOLTAS/BLUE STAR/as required.	Nos.	55,000.00	4.00	2,20,000.00
15	Supplying and fixing following way, TP and neutral, sheet steel, MCB distribution board, IP-43,IK09 with metal door ,415 V, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCBOs/ISOLATORS) Make- Legrand(Ekinoxe3/siemens(Betaguard)/Schneider Acti9		-	-	-
a)	6 way, Double door	Nos.	4,631.00	2.00	9,262.00

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
16	Supplying and fixing following way, single pole and neutral, sheet steel, MCB distribution board, IP-43, IK-09, 240 V, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCBOS/ISOLATORS)		-		-
a)	12 way, Double door	Each	2,523.00	2.00	5,046.00
17	Supplying and fixing following rating RCBOs/ MCBs in the existing DB complete with connections, testing and commissioning etc. as required Make-Legrand/L&T/ABB		-		
c)	6 Amp to 32 Amp, 10 KA SP MCB (C-Curve)	Each	305.00	2.00	610.00
18	Supplying and fixing of following sizes of heavy gauge PVC conduit along with accessories in surface/recess including cutting the wall and making good the same in case of recessed conduit as required.		-	-	
a)	20 mm	mtr	52.00	100.00	5,200.00
19	Earthing with GI earth pipe 4.5 meter long,40mm dia incluiding accessories and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc with charcoal/coke and salt as required	Nos.	5,809.32	1.00	5,809.32
20	Providing and fixing 25 mm X 5mm GI strip on surface or in recess for connection etc as required.	Mtr	129.00	5.00	645.00
21	Providing and fixing 6 SWG GI wire on surface or in recess for loop earthing along with surface/recessed MS Conduit/submain wiring/cables etc as required.	Mtr	37.00	5.00	185.00
	Total Chadried Amount		-	-	4 17 047 77
	Total Electrical Amount		-	-	4,16,847.67
4	FIRE FIGHTING SYSTEM		_	-	
			-	-	
1	Supplying installation testing and commissioning of ABC type fire extinguishers of 6 kg capacity confirming to IS:14609 & ABC powder confirming IS:13849 presurized with Nitrozen Gas marked.including cost of all material & labour for all floors & service building etc. all complete. Make-KANEX/FIRE SHILD /SAFEX or equivalent	Nos	3,264.00	2.00	6,528.00

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
2	Supplying, installation, testing and commissioning of CO_2 type Fire Extinguisher 4.5 kg capacity confirming to IS: 2878 made from ISI marked seamless cylinder confirming to IS: 7285, fitted with ISI marked controlled valve confirming to IS: 3224, high pressure 1mtr discharge hose & horn complete with initial gas charged with carrying handle & wall mounting bracket for all floors & service building etc. as per direction of Engineer-in-charge.Make-KANEX/FIRE SHILD /SAFEX or equivalentor equivalent	Nos	7,700.00	2.00	15,400.00
3	Supplying, installation, testing and commissioning of Mechanical Foam type 9 litre capacity Fire Extinguisher, ISI marked, IS: 10204, containing 540 ml AFFF liquid ISI marked, IS: 4989 Part II and a polyurethane coated CO2 Gas Cartridge, ISI marked, IS: 4947 complete with gunmetal union cap, nylon hose with plastic foam making branch and wall mounting bracket as per direction of Engineer-in-charge.	Each	3,659.00	2.00	7,318.00
4	Sand Buket as per IS Specicification	Each	500.00	3.00	1,500.00
5	Buket Stand to Store 10 nos of Buket also having Aluminium sheet above the to prevent the stand from rain/sunst.	Nos	2,820.00	1.00	2,820.00
	Total Fire Fighting Amount				33,566.00

TENDER FOR CONSTRUCTION OF MULTI-PURPOSE CENTRE (MPC) AT VARIOUS LOCATIONS FOR DISTRICT OF RAYAGADA, ODISHA (2nd Call)

NIT No: PCO/BBSR/980/200 Date- 26.09.2024

CONSTRUCTION OF MULTI-PURPOSE CENTRE (MPC) AT KODIGUMA, DALIAKUJI, BISSAMCUTTACK IN THE DISTRICT OF RAYAGADA

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
	Architectural Consultancy Services	Lot	54538.97	1	54538.97
	Sub Total				54538.97
1	CIVIL WORKS				
Α	EARTH WORK				
	Earth work in stoney earth and gravels mixed with				
	stone and boulder not exceeding 0.014 cum in volume				
	within 50m initial lead and 1.5m initial lift including				
1	rough dressing and breaking clods to maximum 5cm to				
	7cm and laying in layer not exceeding 0.3m in depth and				
	as per specification approved by the dept.				
i	Ordinary Soil	CuM	210.97	202.03	42,622.27
ii	Soft Rock	CuM	329.01	51.15	16,828.86
iii	Hard Rock	CuM	2,726.10	2.56	6,978.82
	Supplying & Filling foundation trenches , plinth &				
	ditches with clean course river sand well watered and		782.30	193.64	
	rammed in layers not exceeding 23 c.m. in depth with all				
2	lead and lift including cost, conveyance, loading,	CuM			1,51,484.57
	unloading, stacking,royalties and all taxes of sand,cost				, ,
	& conveyance of water, cost of all Labour, labour				
	cess,T&P required for the work etc. complete in all				
	respect as directed by the Engineer- in -charge.				
	Back filling available excavated earth (excluding rock)				
	in trenches, plinth, sides of foundations etc. in layers		447.00	24.00	4.000.04
3	not exceeding 20 cm in depth, consolidating each	CuM	117.20	34.20	4,008.24
	deposited layer by ramming and watering, lead upto 50				
	m and lift upto 1.5m. Making plinth protection 150 mm thick of cement				
	concrete 1:3:6 (1 cement: 3 coarse sand : 6 graded				
	stone aggregate 20 mm nominal size) over 75mm thick				
4	bed of dry brick ballast 40 mm nominal size, well		-	-	-
	rammed and consolidated and grouted with fine sand,				
	including finishing the top smooth				
		SqM	2,392.90	51.75	1,23,832.58
В	PLAIN & REINFORCEMENT CONCRETE		-	-	-

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
1	Providing and laying P.C.C[1:4:8] using 4cm size metal etc in foundation and floors using cement, 40 mm size crusher broken H.G.Metal and screened and washed sharp river sand for mortar of approved quality and from approved quarry including hoisting, lowering and laying concrete to the required level, ramming, watering and curing etc	CuM	5,149.80	34.35	1,76,895.63
2	Providing and laying in position ready mixed M25 grade concrete having compressive strength at 28 days test not lessthan 250kg/sq.cm for reinforced cement concrete work using cement content as per approved design mix etc including Rigid & smooth centering and shuttering.		-	-	-
а	For R.C.C foundation, footing bases of column, mass	CuM	6,491.35	68.94	4,47,513.67
 .	concrete, pre-cast etc.	2.44		44.00	
b	For R.C.C plinth band etc.	CuM	7,312.80	11.99	87,680.47
c	R.C.C Beam & Coloum Ground Floor	CuAA	14 215 20	24.07	2 04 452 11
d d	Lintel	CuM	14,315.30	26.87	3,84,652.11
i	Ground Floor	CuM	13,594.30	3.38	45,948.73
<u>'</u>	Chaja	CuM	13,554.50	3.36	45,546.73
i	Ground Floor	Sqm	1,128.30	12.15	13,708.85
	Roof slab, Landing, Balcony,	Jym	1,120.50	12.13	13,700.03
<u>9</u> i	Ground Floor	CuM	12,908.30	27.43	3,54,074.67
	Cutting ,Straightening coiled or bend up HYSD/TMT	Ount	12,500.00	27.10	3,31,371.07
3	Reinforcement bars welding or jointing if necessary, bending ,tying the grills as required for R.C.C works etcwinding wire extra		-	-	-
а	Foundation	Qntl	8,861.00	45.93	4,06,985.73
Ь	Ground floor	Qntl	8,861.00	72.87	6,45,701.07
С	BRICK WORK		-	-	-
1	Fly Ash Brick Masonry in cement mortar of mix (1:6) using Fly Ash bricks of size 25c.m × 11 c.m × 8 c.m in Foundation & Plinth having crushing strength not less than 75 kg per square c.m. with cement and screened & washed sharp sand for mortar after immersing the bricks for 6 (Six) hours in water before use in works with all necessary projections, splays cutting, circular moulding, corbelling, chamfering, watering and curing etc. including cost, coveyance, stacking, loading, unloading, royalties, all taxes, cost of all labour, Labour cess, scaffolding, sundries and T&P required for the works etc. complete in all respect as directed by the Engineer-in-charge.		-	-	-
	Foundation and Plinth	CuM	5,111.00	19.46	99,460.06

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
2	Fly Ash Brick Masonry in cement mortar of mix (1:6) using Fly Ash bricks of size 25c.m x 11 c.m x 8 c.m in superstructure having crushing strength not less than 75 kg per square c.m. with cement and screened & washed sharp sand for mortar after immersing the bricks for 6 (Six) hours in water before use in works with all necessary projections, splays cutting, circular moulding, corbelling, chamfering, watering and curing etc. including cost, coveyance, stacking, loading, unloading, royalties, all taxes, cost of all labour, Labour cess, scaffolding, sundries and T&P required for the works etc. complete in all respect as directed by the Engineer-in-charge.		-	-	-
а	Ground Floor	CuM	5,144.00	66.30	3,41,047.20
3	Fly Ash Brick masonry in cement mortar of mix [1:4] using Fly Ash bricks of size 25cm12cmx8cm in superstructure having crushing strength not less than 75 kg /m2 etc[Half Brick work]		-	-	-
а	Ground Floor	CuM	5,458.00	1.05	5,730.90
			-	-	-
D	PLASTERING & PAINTING		-	-	-
1	Providing 12mm. Thick cement plaster in cement mortar or mix(1:6) in all floors at all height with cement & screened and washed sharp river sand for mortar and finished smooth to the rough surface of the brick masonary walls after racking out the joints (alongwith providing grooves wherever necessary) including watering and curing, rounding of corners etc. complete with cost, conveyance, loading, unloading, royalities and taxes of all materials, cost of all labour, T&P, sundries and scaffolding required for the work etc. as directed by the Engineer-in- charge.		-	-	-
а	Ground floor	SqM	153.30	347.49	53,270.22
2	Providing 16mm. Thick cement plaster in cement mortar or mix(1:6) in all floors at all height with cement & screened and washed sharp river sand for mortar and finished smooth to the rough surface of the brick masonary walls after racking out the joints (alongwith providing grooves wherever necessary)including watering and curing, rounding of corners etc. complete with cost, conveyance, loading, unloading, royalities and taxes of all materials, cost of all labour, T&P, sundries and scaffolding required for the work etc. as directed by the Engineer-in- charge.		-	-	_
α	Ground floor	SqM	219.10	368.30	80,694.53

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
3	Finishing wall surface of wall with cement based wall putty [water based] of approved make and finished smooth and even surface to receive painting including cost etc		-	-	-
а	Ground Floor	SqM	81.61	924.15	75,419.88
4	Providing and applying 2 coats with 100% acrylic emulsion paint on New surface including one coat of primer (exterior quality) of approved make & shade by reputed manufacturer to make an even finished surface over a coat of primer with water bound cement primer in all heights with all scaffolding and staging charges including cost, conveyance, taxes of all materials, cost of all labours, T&P, sundries etc. as required for the work complete.		-		-
α	Ground floor	SqM	150.10	368.30	55,281.83
5	Supplying and painting of internal walls and ceiling with two or more coats of ACRYLIC emulsion paint on New surface which includes a coat of primer all complete. The shade and brand to be of approved brand & shade over the surfaces including preparation of surface, with cost of all materials, labour, conveyance taxes of all materials, scaffolding etc., as per the direction of the Engineer-in-charge.		-	-	-
а	Ground floor	SqM	149.30	555.86	82,989.90
6	Painting with synthetic enamel paint over a coat of primer of approved colour, shade and brand on New wood work /steel work in two or more coats as required to give an even shade including an under coat of suitable primer of approved brand and manufacturer including cost of all materials with taxes and transportation, loading, unloading, scaffolding, all labour, Labour cess, sundries, T&P, etc. complete as per the direction of the Engineer-in-charge including filling gaps with putties, scrapping, sand papering and cleaning the surface to make free from rusts, dusts and oily substances before applying primer etc.		-	-	-
а	Ground floor	sqm	216.80	25.20	5,463.36
E	FLOORING		-	-	-
1	A. S flooring under layer of 25mm thick C.C. (1:2:4) with 12mm ize granite chips and top layer of 6mm thick plaster cement red oxide mix using 3.5kg or red oxide per 50 kg of cement 1:3 finished with a floating coat of cement and Red oxide mix of same proportion.		-	-	-
α	Ground floor	SqM	430.00	162.84	70,021.20

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
2	12mm thick cement plaster in CM(1:4) with cement punning for skirting & Dados including all cost. complete with cost, conveyance, royality of all materials and labour with T&P required for the work with royalities, taxes etc.complete in all floors as per direction of Engineer-in-charge.	SqM	175.10	20.57	3,601.81
F	DOOR & WINDOW		-	ı	1
1	Providing and fixing unplasticised poly vinyl chloride (UPVC) door in cluding all fittings and cost, conveyance of all materials, labours and T&P required for the work etc, all complete as per direction of engineer in charge.	Sqm	8,963.00	3.15	28,233.45
2	Providing and fixing 30 mm thick factory made single extruded WPC (Wood polymer composite) solid plain flush door shutter of required size fixing with stainless steel butt hinges of required size with necessary full body threaded star headed counter sunk S.S screws, all complete as per direction of engineer in	Sqm	4,424.00	15.75	69,678.00
3	Supplying, fitting, fixing up window (sliding type) made up aluminum Section 9778 as windows frame, section No. 4095, 4096 and 9777, 3994 as shutter frame with rubber beading including locking arrangement including all fitting including cost of materials all taxes labour, T&P etc. complete as per direction of Engineer-incharge. including cost of frosted glass & SS mosquito net.	Sqm	7,648.40	24.30	1,85,856.12
G	STEEL WORK		-	-	-
			-	-	-

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
1	Supplying, fitting and fixing of M.S grills, grill gates with top and bottom rails, (as per I.S. specification and as per approved drawings) in proper position in all floors and at all height including making holes to brick walls/ R.C.C structure/wood work etc. and making good to the damaged walls/ structures with cement concrete (1:2:4) with black hard crusher broken granite stone chips of 12mm to 20mm size (20mm size not to exceeds 25%) including watering and curing including cost, conveyance, loading, unloading, stacking, royalties and taxes of all materials, cost of all Labour, Labour cess, Sundries, T&P required for the work etc.complete as per the direction of Engineer in charge (W.I. / M.S. windows grills, grill gates, collapsible gates with top and bottom rails, steel windows, steel doors, steel frames for doors and windows, staircase and parapet railings square bar along with required nos. of nails and screws and other required materials of approved quality and approved size shall be supplied by the contractor at his own cost.)	KG	89.50	864.00	77,328.00
2	Supplying, fitting and fixing of Stainless steel of 304 grade in hand railing using 50mm dia of 2mm thick circular pipe with balustrade of size 32mmx32mmx2mm @ 0.90mtr.C/C and stainless square pipe bracing of size 32mmx32mmx2mm in 3 rows in stair case as per approved design and specification ,buffing, polishing etc with cost,conveyance,taxes of all materials, labour, T & P etc. required for the complete in all respect.	Rmt	3,524.00	22.50	79,290.00
			-	-	-
1	Grading plaster 2.5 cm thick grading Plaster (1:4) on roof slab with 6mm size HG chips including all cost, conveyance, royalty & taxes etc.comp.to work site for new work as per the specification approved by the department & direction of E.I.C	sqm	387.30	215.00	83,269.50
	TOTAL CIVIL WORK				43,05,552.23
					.5,55,552.25
2	PLUMBING AND SANITARY WORK				
	INTERNAL PH WORKS				

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
1	Supplying all materials, labour and T&P for fitting and fixing white glazed vitreous china porcelain Indian Pan water closet of size 23" of approved make confirming to IS-2556 and top inlet for sinking into floor with 100mm PVC 'P' trap etc. including supply of necessary cement concrete for fitting the closet etc. complete in all respect in all floors including cost, conveyance and taxes of all materials etc. complete and as per PH specification and direction of Engineer-in-charge.				
		Nos	5,612.86	2.00	11,225.72
2	Supplying all materials, labour and T&P for fitting and fixing white glazed vitreous china porcelain flat back urinal pan of approved make confirming to IS-2556 and top inlet for sinking into floor with 100mm PVC 'P' trap etc. including supply of necessary cement concrete for fitting the closet etc. complete in all respect in all floors including cost, conveyance and taxes of all materials etc. complete and as per PH specification and direction of Engineer-in-charge including marble partition in between urinals.		-	-	-
	Supplying all materials, labour, T&P and fixing standard	Nos	12,288.40	2.00	24,576.80
3	sized shower (bath shower) of approved make etc complete including cutting the wall and making good the damages, including cost of all materials complete as per PH specification and direction of Engineering-incharge.		-	-	-
		Nos	993.00	2.00	1,986.00
4	fixing white glazed vitreous china porcelain wash basin of size 450mm × 300mm of approved make confirming to IS-2556 and top inlet for sinking into floor with 100mm PVC 'P' trap etc. including supply of necessary cement concrete for fitting the closet etc. complete in all respect in all floors including cost, conveyance and taxes of all materials etc. complete and as per PH specification and direction of Engineer-in-charge	Ne	- 0 150 10	-	-
		Nos	9,150.40	4.00	36,601.60
5	Supplying all materials, labour, T&P and fixing standard sized CP Bib cock of approved make etc complete including cutting the wall and making good the damages, including cost of all materials complete as per PH specification and direction of Engineering-in-charge.		-	-	-
		Nos	1,873.00	4.00	7,492.00

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
6	Supplying all materials, labour, T&P and fixing standard sized 15mm dia Angular Stop cock of approved make etc complete including cutting the wall and making good the damages, including cost of all materials complete as per PH specification and direction of Engineering-incharge.		-	-	-
	onal do.	Nos	1,158.40	4.00	4,633.60
7	Supplying all materials, labour, T&P and fixing standard 15mm sized pillar cock of approved make etc complete including cutting the wall and making good the damages, including cost of all materials complete as per PH specification and direction of Engineering-in-charge.		-	-	-
		Nos	1,626.00	4.00	6,504.00
8	Supplying all materials, labour, T&P and fixing standard sized Long body 15mm dia CP Bib cock of approved make etc complete including cutting the wall and making good the damages, including cost of all materials complete as per PH specification and direction of Engineering-in- charge.	Nos	2,107.00	4.00	8,428.00
	To Delice		-	-	-
9	Supplying all materials, labour, T&P and fixing standard sized two way CP Bib cock of approved make etc complete including cutting the wall and making good the damages, including cost of all materials complete as per PH specification and direction of Engineering-in-charge.	Nos	1,873.40	2.00	3,746.80
10	Supplying all materials, labour, T&P and fixing standard sized shower (Health Faucet) of approved make etc complete including cutting the wall and making good the damages, including cost of all materials complete as per PH specification and direction of Engineering-incharge.	Nos	993.00	2.00	1,986.00
11	Supplying all materials, labour, T&P and fixing standard sized Chromium Plated brass towel rail complete with Chromium Plated brass brackets fixed to wooden plugs with Chromium Plated brass screws as per specification and direction of the Engineer in charge	Nos	1,369.70	- 2.00	2,739.40
	Finite (00.4F0h. II. I. I. I. I. I. I.	1405	1,309./0	2.00	2,739.40
12	Fixing 600x450mm bevelled edge mirror of superior glass mounted on 6mm thick A.C sheet or plywood sheet and fixed to wooden plugs with Chromium Plated brass screws and washers complete as per specification and direction of the Engineer in charge		-	-	-
		NOS	1,841.80	4.00	7,367.20

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
13	Supplying all materials, labour, T&P and fittings and fixing of Poly Propelene white double layer water storage Tank of approved make confirming to IS 12701-1996 including cutting holes through the tank and fixing mild steel tubes and fittings and providing extra sockets and jam nuts, fixing ball valve etc including hoisting upto terrace level and placing the tank to the required position etc all complete as per PH specification and direction of Engineer-in-charge. (To provided with brick masonary guard walls which will be paid separately)		-	-	-
α	2000 ltr	Nos	25,364.70	1.00	25,364.70
			-	-	-
14	Supplying all materials, labours, T&P and fitting and fixing of the following size of CPVC pipe confirming to IS 15778 certification mark with socket and screw joints in walls and floors including supplying of required number of fittings of approved make including cutting threads to pipes and pipes to length, including wastage, etc for fitting to the walls with supply of holder ats, clamps, fixing wooden plugs in walls, including testing of pipe line for water tightness complete as per IS specification including cost, conveyance and taxes of all materials all complete as per PH specification and direction of Engineer-in-		-	-	-
a	25 mm dia	R.mtr	368.50	20.00	7,370.00
ь	32 mm dia	R.mtr	563.20	20.00	11,264.00
c	40mm dia	R.mtr	732.10	20.00	14,642.00
15	Providing all materials, labour, Fitting & fixing of CPVC Ball Valve with CTS socket. Make: Prince)		0	0	-
α	25mm Dia	Nos	842.00	1.00	842.00
Ь	32mm Dia	Nos	1,589.00	1.00	1,589.00
С	40mm dia	Nos	2,391.00	1.00	2,391.00
16	Supplying all materials, labours, T&P for cutting holes through existing brickwork including making good the damages in cement mortar (1:4) for taking GI pipes and fittings/PVC pipes and fittings etc all complete as per PH specification and direction of Engineer-in-charge.		-	-	-
		Nos	55.60	2.00	111.20
17	Supplying all materials, labours, T&P for cutting holes through existing RCC floors & roofs including making good the damages for taking GI pipes and fittings/PVC pipes and fittings etc all complete as per PH specification and direction of Engineer-in-charge.		-	-	-
		Nos	167.40	2.00	334.80
		. 103	107.10	2.00	

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
18	Supplyng all materials, labour, T&P for construction of brick masonary Gulley trap chamber of size300mm × 300mm with CI gulley trap, by Fly ash brick masonry in CM (1:4), CP (1:6) with 150mm × 150mm CI grating including labour and materials for fitting and fixing 100mm dia square mouth CI gully trap with supply of all jointing materials and encasing the gully trap with a block of CC (1:4:8) with 25mm size hard stone metal all complete with providing and fixing of 250mm × 250mm precast RCC cover slab including cost, conveyance, taxes of all materials to site complete as per the PH specification and direction of Engineer-in-charge.		-	-	1
		Nos	3,592.00	2.00	7,184.00
19	Providing all materials labour, T&P for making grooves in bricks/stone masonary walls vertically or horizontally up to required depth and width in all floor for laying of pipes and fittings up to 50mm dia, testing the joints with required water pressure and making good the damages with cement concrete 1:2:4 with 12mm size h.g.c.b.chips and finished smooth with cement morter (1:4) to original shape including cost of all materials, curing, conveyance of all materials etc. all complete excluding GST as per specification & direction of Engineer-in-charge.		0.00	0.00	-
	F 1011	Rmt	250.50	20.00	5,010.00
	External PH Supplying all materials, labours, T&P and fitting and fixing of the following size of CPVC pipe confirming to IS 15778 certification mark with socket and screw joints in walls and floors including supplying of required number of fittings of approved make including cutting threads to pipes and pipes to length, including wastage, etc for fitting to the walls with supply of holder ats, clamps, fixing wooden plugs in walls, including testing of pipe line for water tightness complete as per IS specification including cost, conveyance and taxes of all materials all complete as per PH specification and direction of Engineer-in-		-	-	- -
a	50mm dia	Rmt	1,153.60	10.00	11,536.00

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
21	Supplying all materials & labour, T&P and constructing brick masonary chamber for water sluice valve, single air valve & non return valve with Fly ash brick masonary in cement mortar (1:4) as per approved drawing and specification CC (1:4:8) with 4cm size hard granite metal on the bed, 12mm cement plaster (1:6) to inside and cement flush pointing (1:6) to outside surface with 100mm thick RCC M20 cover slab with 20mm hg chips using required quantity of tor steel, centring and shuttering to the slab and dismantling it after 31 days of casting, filling the outside cavity with excavated materials, watering, curing including cost, conveyance, taxes of all materials, labour charges for cutting, bending, binding and tying the grills in proper position etc all complete as per drawing, design and direction of Engineer-in- charge.		1	,	-
a	Chamber (0.75x0.75x0.7mtr)	Nos	9,745.00	1.00	9,745.00
22	Supplying all materials, labour, T&P and fitting and fixing of double air valve of 50mm Dia confirming to the relevant IS specification and dimension including fixing it in position along the pipeline with supply of all required materials such as rubber insertion, nuts & bolts including cost of all materials, taxes, and duties, transportation charges from store to site etc all complete as per the direction of Engineer-in-charge.		-	-	-
23	Supply, installation, testing and commisioning of automatic star delta control panel suitable for 2 HP pumpset including MS box fitted with main switch ,contactor, single phasing preventer, timer, selector switch, voltmetre, ammeter etc and connection with motor inside the sump with suitable cable etc complete as per the Direction of Engineer-in-charge. (Excluding power supply)(MR)	Nos	4,111.90	1.00	4,111.90
		Set	14,500.00	1.00	14,500.00
24	Septic Tank Earth work in excavation in Hard rock by mechanical means (Hydraullic excavator)/ manual means overareas (exceeding 30 cm in depth, 1.5 m in width as well as 10sqm on plan) inculding disposal of excavated earth up to 50 m and lift upto 1.5m with all lead and lift including shoring, shuttering & dewatering (if required) with cost of all Labour, Labour cess ,Hire & Running charges of the water pumps, T & P required for the work complete as directed by the Engineer- in- charge.		-	-	-

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
α	Earth work excavation beyond 1.50mtr depth	CuM	210.97	6.00	1,265.82
25	Supplying and filling the Foundation & Plinth with clean coarse river sand of approved quality from approved quarry, laying in layers not exceeding 150mm thick, watering and ramming including cost, conveyance, royalty and taxes of all materials, cost of all labour, T&P etc. as required for the work complete as per direction of the Engineer-in-charge.		-	-	-
		CuM	782.30	2.73	2,135.68
26	Providing & laying cement concrete of prop. (1:4:8) in foundation bed and floors using 40mm nominal size down graded, screened, washed hard black crusher broken granite metal of approved quality & from approved quarry including laying in the layers not exceeding 100 mm thick etc. Providing and laying in position ready mixed M25 grade	CuM	5,149.80	0.75	3,862.35
27	concrete having compressive strength at 28 days test not lessthan 250kg/sq.cm for reinforced cement concrete work using cement content as per approved design mix etc		-	-	-
α	Foundation	CuM	6,491.35	1.00	6,491.35
Ь	RCC Wall	CuM	7,312.80	2.03	14,844.98
C	Slab	CuM	12,908.30	1.00	12,908.30
28	Cutting,straightening coiled or bent up HYSD/TMT Reinfocement Bars welding or jointing if necessary bending binding tying the grills as etc	Qntl	8,861.00	3.60	31,899.60
29	bending, binding, tying the grills as etc Providing 12mm. thick cement plaster with cement mortar of mix (1:4) in all floors cement and with screened and washed sharp sand for mortar with neat cement punning finished smooth to brick/RCC walls after racking out the joints including watering and curina complete with cost etc	SqM	153.30	12.18	1,867.19
30	Providing and laying of P.C.C. of 1:3:6 with 12 mm size hard granite metal in foundation trenches, under floors in line level including curing and ramming etc. all complete as per the direction of the Engineer-in-charge	JqM	0	0	-
		Sqm	6,256.90	0.34	2,127.35
31	Finishing walls with water proofing cement paint of approved shade on new work Two coat to give an even shade		-	-	-
32	Back filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20 cm in depth, consolidating each deposited layer by ramming and watering, lead upto 50 m and lift upto 1.5m.	Sqm	37.90	12.18	461.62 -
		CuM	117.20	5.55	650.46
	Soak Pit		-	-	-

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
33	Supplying and filling the Foundation & Plinth with clean coarse river sand of approved quality from approved quarry, laying in layers not exceeding 150mm thick, watering and ramming including cost, conveyance, royalty and taxes of all materials, cost of all labour, T&P etc. as required for the work complete as per direction of the Engineer-in-charge.		-	-	-
		CuM	782.30	1.00	782.30
34	Providing & laying cement concrete of prop. (1:4:8) in foundation bed and floors using 40mm nominal size down graded, screened, washed hard black crusher broken granite metal of approved quality & from approved quarry including laying in the layers not	CuM	5,149.80	0.62	3,192.88
35	exceeding 100 mm thick etc Providing and laying in position ready mixed M25 grade concrete having compressive strength at 28 days test not lessthan 250kg/sq.cm for reinforced cement concrete work using cement content as per approved design mix etc		-	-	-
α	Foundation	CuM	6,491.35	0.32	2,077.23
36	Providing 12mm. thick cement plaster with cement mortar of mix (1:4) in all floors cement and with screened and washed sharp sand for mortar with neat cement punning finished smooth to brick/RCC walls after racking out the joints including watering and curing complete with cost. etc.		-	-	-
		SqM	269.40	1.36	366.38
37	Providing and laying of P.C.C. of 1:3:6 with 12 mm size hard granite metal in foundation trenches, under floors in line level including curing and ramming etc. all complete as per the direction of the Engineer-incharge		0	0	-
	charde	Sqm	8,345.80	0.62	5,174.40
38	Fly Ash Brick Masonry in cement mortar of mix (1:6) using Fly Ash bricks of size 25c.m x 12 c.m x 8 c.m in Foundation & Plinth having crushing strength not less than 75 kg per square c.m. with cement and screened & washed sharp sand for mortar after immersing the bricks for 6 (Six) hours in water before use in works with all necessary projections, splays cutting, circular moulding, corbelling, chamfering, watering and curing etc. including cost, coveyance, stacking, loading, unloading, royalties, all taxes, cost of all labour, Labour cess, scaffolding, sundries and T&P required for the works etc. complete in all respect as directed by the Engineer-in-charge.		-	-	-
		CuM	5,379.00	6.37	34,264.23

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
39	Supplying all materials, labour, T&P, fitting and fixing uPVC SWR pipes (Type-B)(Co-moulded Ring type) of approved make confirming to IS-13592/1992with ISI marked, both below & above ground level or fixing on wall surface in all floors including transportation & scaffolding etc. all complete as per specification excluding GST & direction of the Engineer-in-charge.		0	0	-
α	Pipe 110mm dia	R.Mtr	828.11	30.00	24,843.30
Ь	110mm×110mm 'P' Trap (Make:Astral)	nos	494.00	2.00	988.00
С	110mm dia single 'Y' withoutdoor	nos	479.00	2.00	958.00
d	110mm WC connector/Bend with lip ring	nos	360.00	2.00	720.00
e	110mm Socket plug	nos	180.00	2.00	360.00
f	Upvc Elbow	nos	786.00	2.00	1,572.00
40	Sinking of 200 mm x150mm size production well through DTH or combination drilling riges in hard rock area with PVC or GI casing pipes. 120mtr depth (1nos)	L.S	2,00,000.00	1.00	2,00,000.00
41	Supplying, fitting and fixing of Antiskid Ceramic Floor Tiles in flooring using special plain / printed series Ceramic Floor Tile of premium grade (having minimum thickness 7 mm to 8 mm & size 300 mm × 300 mm OR 600 mm ×600 mm, confirming to I.S 13755 of approved quality and shade in floors, treads on steps and landings on 25 m.m thick bed of cement mortar of mix (1:1) laid in proper slope and gradient with screened & washed sharp etc		-	-	-
	Ground floor	SqM	1,153.90	17.88	20,631.73
42	Supplying, fitting and fixing of ceramic glazed wall Tiles in skirting dado, risers of step and wall using special plain / printed series Ceramic wall Tile of premium grade (having minimum thickness 6.5 mm to 6.7 mm & size 300 mm x 300 mm OR 600mm x300 mm,		-	-	_
	Ground floor	SqM	1,317.60	68.46	90,202.90
	TOTAL of internal PH WORK[I]				6,97,930.77
3	ELECTRICAL WORK				

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount .
1	Wiring for light point/ fan/ exhaust fan point/ call bell point with 1.5 sqmm FRLS PVC insulated copper conductor single core cable in surface / recessed 2 mm thick PVC conduit with modular switch and earthing the point with 1.5 sqmm FRLS PVC insulated copper conductor single core cable including providing modular box with cover of requisite number of modules including providing cover plates as required. Make Conduit:Norepack/Precision/AKG Wire-KEI/Havells/Finolex Switch/socket-Legrand (myrius)/Panasonic(vision)/schneider(zencelo)		-	-	-
a)	Single light point controlled by one 6A switch or first light point of group control.	Each	785.00	20.00	15,700.00
b)	Subsequent point of group control	Each	515.00	4.00	2,060.00
2	Supplying and fixing two module steeped type electronic fan regulator with proper modular plate switch box including connections etc. as required. Switch/socket-Legrand (myrius)/Panasonic(vision)/schneider(zencelo)	Nos.	653.00	2.00	1,306.00
3	Supplying and fixing 6 Amp plug with 6 Amp switch (Modular Type) on existing board.	Nos.	356.00	8.00	2,848.00
4	Supplying and fixing including testing and commissioning of 6A modular socket outlet with 6 Amp switch including providing GI modular box with faceplate etc as required.		-	-	-
a)	1 nos 6 Amp 3-pin socket with 6 Amp switch.	Nos.	512.00	8.00	4,096.00
b)	2 nos 6 Amp 3-pin socket with 2 nos 6 Amp switch.	Nos.	909.00	6.00	5,454.00
5	Supply, installation, testing & commissioning of 6 / 16 Amp Plug Boards consisting of a 16 Amp clip-in type modular switch with indicator and a 6/16 Amp clip-in type modular socket fixed on metallic concealed box including interconnections and making good the damages caused complete as required and as per direction of Engineer-in-charge. Supplying, installation, testing & commissioning of 25		652.00	8.00	5,216.00
6	amp modular socket outlet on surface or in recess, on 1 Nos two module GI box with plate for socket point and one nos two module GI Box with face plate for switch etc. complete as direction of Engineer-in-charge. As per Crabtree(cat no-ACTO202504) or equivalent of Learand/Schneider		1,330.15	4.00	5,320.60
7	Wiring for circuit/ submain wiring along with earth wire of following size of FRLS heavy gauge PVC insulated copper conductor single core cable in heavy duty PVC conduit laid in surface/ recess as required.		-	-	-
a)	2X2.5 + 1X2.5 sqmm FRLS Cu wire (for Light circuit wiring)	mtr	233.05	75.00	17,478.75

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
b)	double core 4 sq mm. copper wire for phase and neutral	mtr	386.00	20.00	7,720.00
c)	double core 6 sq mm. copper wire for phase and neutral	mtr	452.05	20.00	9,041.00
8	Supply, delivery and fixing of Ceiling fan hook box made out of 18 swg GI sheet and containing 10 mm dia round ms bar projecting atleast 150mm on either side & duly bent to accommodate ceiling fan down rod bolt & having earthing arrangement as per direction of Engineer-in-charge.	Nos.	150.00	10.00	1,500.00
9	36Watt LED Light fitting (3300 Lumen) for PHILIPS .(CAT No:RC365B LED33- 6500 PSU OD WH)/Equivalent of Halonix/Panasonic/crompton as required	Each	3,983.00	10.00	39,830.00
10	20Watt LED Surface/suspended Battern Linear Luminaire (2000 Lumen) PHILIPS (CAT No:WT150C LED20S-6500 PSE OD GR) / Equivalent of Halonix/Panasonic/crompton	Each	1,753.00	10.00	17,530.00
11	6Watt LED Light fitting (600 Lumen) PHILIPS (CAT No:DN191B LED6S-6500 PSU WH S1) / Equivalent ofHalonix/Panasonic/crompton	Each	1,231.00	4.00	4,924.00
12	Supplying, installation, testing and commissioning of ceiling fan (5 star rating) including wiring the down rod, earthing etc as required (Make : Bajaj/Usha/		-	-	-
(a)	Crompton/ Orient/ Khaitan/ Havells). 1200 mm sweep	Nos.	2,656.00	10.00	26,560.00
13	Supplying, installation, testing and commissioning of Exhaust fan / fresh air fan with louvre (Make - Bajaj/Usha/ Crompton/ Orient/ Khaitan/ Havells) as required.		-	-	-
a)	225 mm sweep fibre body fresh air fan	Nos.	1,753.00	2.00	3,506.00
14	Supplying, installation, testing and commissioning of Split Air Conditioner (Make -DAIKINI/VOLTAS/BLUE STAR/as required.	Nos.	55,000.00	4.00	2,20,000.00
15	Supplying and fixing following way, TP and neutral, sheet steel, MCB distribution board, IP-43,IK09 with metal door ,415 V, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCBOs/ISOLATORS) Make- Legrand(Ekinoxe3/siemens(Betaguard)/Schneider Acti9		-	-	-
a)	6 way, Double door	Nos.	4,631.00	2.00	9,262.00

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
16	Supplying and fixing following way, single pole and neutral, sheet steel, MCB distribution board, IP-43, IK-09, 240 V, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCBOS/ISOLATORS)		-		-
a)	12 way, Double door	Each	2,523.00	2.00	5,046.00
17	Supplying and fixing following rating RCBOs/ MCBs in the existing DB complete with connections, testing and commissioning etc. as required Make-Legrand/L&T/ABB		-		
c)	6 Amp to 32 Amp, 10 KA SP MCB (C-Curve)	Each	305.00	2.00	610.00
18	Supplying and fixing of following sizes of heavy gauge PVC conduit along with accessories in surface/recess including cutting the wall and making good the same in case of recessed conduit as required.		-	-	
a)	20 mm	mtr	52.00	100.00	5,200.00
19	Earthing with GI earth pipe 4.5 meter long,40mm dia incluiding accessories and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc with charcoal/coke and salt as required	Nos.	5,809.32	1.00	5,809.32
20	Providing and fixing 25 mm X 5mm GI strip on surface or in recess for connection etc as required.	Mtr	129.00	5.00	645.00
21	Providing and fixing 6 SWG GI wire on surface or in recess for loop earthing along with surface/recessed MS Conduit/submain wiring/cables etc as required.	Mtr	37.00	5.00	185.00
	Total Chadried Amount		-	-	4 17 047 77
	Total Electrical Amount		-	-	4,16,847.67
4	FIRE FIGHTING SYSTEM		_	-	
			-	-	
1	Supplying installation testing and commissioning of ABC type fire extinguishers of 6 kg capacity confirming to IS:14609 & ABC powder confirming IS:13849 presurized with Nitrozen Gas marked.including cost of all material & labour for all floors & service building etc. all complete. Make-KANEX/FIRE SHILD /SAFEX or equivalent	Nos	3,264.00	2.00	6,528.00

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
2	Supplying, installation, testing and commissioning of CO_2 type Fire Extinguisher 4.5 kg capacity confirming to IS: 2878 made from ISI marked seamless cylinder confirming to IS: 7285, fitted with ISI marked controlled valve confirming to IS: 3224, high pressure 1mtr discharge hose & horn complete with initial gas charged with carrying handle & wall mounting bracket for all floors & service building etc. as per direction of Engineer-in-charge.Make-KANEX/FIRE SHILD /SAFEX or equivalentor equivalent	Nos	7,700.00	2.00	15,400.00
3	Supplying, installation, testing and commissioning of Mechanical Foam type 9 litre capacity Fire Extinguisher, ISI marked, IS: 10204, containing 540 ml AFFF liquid ISI marked, IS: 4989 Part II and a polyurethane coated CO2 Gas Cartridge, ISI marked, IS: 4947 complete with gunmetal union cap, nylon hose with plastic foam making branch and wall mounting bracket as per direction of Engineer-in-charge.	Each	3,659.00	2.00	7,318.00
4	Sand Buket as per IS Specicification	Each	500.00	3.00	1,500.00
5	Buket Stand to Store 10 nos of Buket also having Aluminium sheet above the to prevent the stand from rain/sunst.	Nos	2,820.00	1.00	2,820.00
	Total Fire Fighting Amount				33,566.00

TENDER FOR CONSTRUCTION OF MULTI-PURPOSE CENTRE (MPC) AT VARIOUS LOCATIONS FOR DISTRICT OF RAYAGADA, ODISHA (2nd Call)

NIT No: PCO/BBSR/980/200 Date- 26.09.2024

CONSTRUCTION OF MULTI-PURPOSE CENTRE (MPC) AT KINTHUDA, KULUSING, GUNUPUR IN THE DISTRICT OF RAYAGADA

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
	Architectural Consultancy Services	Lot	54312.93	1	54312.93
	Sub Total				54312.93
	ATIVIL WORKS				
1	CIVIL WORKS				
Α	EARTH WORK				
	Earth work in stoney earth and gravels mixed with				
	stone and boulder not exceeding 0.014 cum in volume				
_	within 50m initial lead and 1.5m initial lift including				
1	rough dressing and breaking clods to maximum 5cm to				
	7cm and laying in layer not exceeding 0.3m in depth and				
	as per specification approved by the dept.				
i	Ordinary Soil	CuM	210.97	200.50	42,299.49
ii	Soft Rock	CuM	329.01	51.15	16,828.86
iii	Hard Rock	CuM	2,726.10	2.56	6,978.82
2	Supplying & Filling foundation trenches, plinth & ditches with clean course river sand well watered and rammed in layers not exceeding 23 c.m. in depth with all lead and lift including cost, conveyance, loading, unloading, stacking,royalties and all taxes of sand,cost & conveyance of water, cost of all Labour,labour cess,T&P required for the work etc. complete in all respect as directed by the Engineer- in -charge.	CuM	782.30	193.64	1,51,484.57
3	Back filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20 cm in depth, consolidating each deposited layer by ramming and watering, lead upto 50 m and lift upto 1.5m.	CuM	117.20	34.20	4,008.24
4	Making plinth protection 150 mm thick of cement concrete 1:3:6 (1 cement: 3 coarse sand: 6 graded stone aggregate 20 mm nominal size) over 75mm thick bed of dry brick ballast 40 mm nominal size, well rammed and consolidated and grouted with fine sand, including finishing the top smooth		-	-	-
		SqM	2,392.90	51.75	1,23,832.58
В	PLAIN & REINFORCEMENT CONCRETE		-	-	-

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
1	Providing and laying P.C.C[1:4:8] using 4cm size metal etc in foundation and floors using cement, 40 mm size crusher broken H.G.Metal and screened and washed sharp river sand for mortar of approved quality and from approved quarry including hoisting, lowering and laying concrete to the required level, ramming, watering and curing etc	CuM	5,023.60	34.35	1,72,560.66
2	Providing and laying in position ready mixed M25 grade concrete having compressive strength at 28 days test not lessthan 250kg/sq.cm for reinforced cement concrete work using cement content as per approved design mix etc including Rigid & smooth centering and shuttering.		-	-	-
а	For R.C.C foundation, footing bases of column, mass	CuM	6,373.05	68.94	4,39,358.07
	concrete, pre-cast etc.			44.00	
Ь	For R.C.C plinth band etc.	CuM	7,194.50	11.99	86,262.06
c :	R.C.C Beam & Coloum Ground Floor	CuM	14 107 00	26.87	2 01 472 20
d d	Lintel	CuM	14,197.00	20.07	3,81,473.39
i	Ground Floor	CuM	13,476.00	3.38	45,548.88
f		CuM	13,476.00	3.30	40,040.00
i	Chaja Ground Floor	Cam	1 120 00	12.15	12 410 04
		Sqm	1,120.90	12.15	13,618.94
<u>9</u> i	Roof slab, Landing, Balcony, Ground Floor	CuM	12,790.00	27.43	3,50,829.70
'	Cutting ,Straightening coiled or bend up HYSD/TMT	CuM	12,790.00	27.43	3,50,629.70
3	Reinforcement bars welding or jointing if necessary, bending ,tying the grills as required for R.C.C works etcwinding wire extra		-	-	-
α	Foundation	Qntl	8,861.00	45.93	4,06,985.73
b	Ground floor	Qntl	8,861.00	72.87	6,45,701.07
С	BRICK WORK		-	-	-
1	Fly Ash Brick Masonry in cement mortar of mix (1:6) using Fly Ash bricks of size 25c.m × 11 c.m × 8 c.m in Foundation & Plinth having crushing strength not less than 75 kg per square c.m. with cement and screened & washed sharp sand for mortar after immersing the bricks for 6 (Six) hours in water before use in works with all necessary projections, splays cutting, circular moulding, corbelling, chamfering, watering and curing etc. including cost, coveyance, stacking, loading, unloading, royalties, all taxes, cost of all labour, Labour cess, scaffolding, sundries and T&P required for the works etc. complete in all respect as directed by the Engineer-in-charge.		-	-	-
	Foundation and Plinth	CuM	5,111.00	19.46	99,460.06

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
2	Fly Ash Brick Masonry in cement mortar of mix (1:6) using Fly Ash bricks of size 25c.m x 11 c.m x 8 c.m in superstructure having crushing strength not less than 75 kg per square c.m. with cement and screened & washed sharp sand for mortar after immersing the bricks for 6 (Six) hours in water before use in works with all necessary projections, splays cutting, circular moulding, corbelling, chamfering, watering and curing etc. including cost, coveyance, stacking, loading, unloading, royalties, all taxes, cost of all labour, Labour cess, scaffolding, sundries and T&P required for the works etc. complete in all respect as directed by the Engineer-in-charge.		-	-	-
а	Ground Floor	CuM	5,144.00	66.30	3,41,047.20
3	Fly Ash Brick masonry in cement mortar of mix [1:4] using Fly Ash bricks of size 25cm12cmx8cm in superstructure having crushing strength not less than 75 kg /m2 etc[Half Brick work]		-	-	-
а	Ground Floor	CuM	5,458.00	1.05	5,730.90
			-	-	-
D	PLASTERING & PAINTING		-	-	-
1	Providing 12mm. Thick cement plaster in cement mortar or mix(1:6) in all floors at all height with cement & screened and washed sharp river sand for mortar and finished smooth to the rough surface of the brick masonary walls after racking out the joints (alongwith providing grooves wherever necessary) including watering and curing, rounding of corners etc. complete with cost, conveyance, loading, unloading, royalities and taxes of all materials, cost of all labour, T&P, sundries and scaffolding required for the work etc. as directed by the Engineer-in- charge.		-	-	-
а	Ground floor	SqM	153.30	347.49	53,270.22
2	Providing 16mm. Thick cement plaster in cement mortar or mix(1:6) in all floors at all height with cement & screened and washed sharp river sand for mortar and finished smooth to the rough surface of the brick masonary walls after racking out the joints (alongwith providing grooves wherever necessary)including watering and curing, rounding of corners etc. complete with cost, conveyance, loading, unloading, royalities and taxes of all materials, cost of all labour, T&P, sundries and scaffolding required for the work etc. as directed by the Engineer-in- charge.		-	-	_
α	Ground floor	SqM	219.10	368.30	80,694.53

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount .
3	Finishing wall surface of wall with cement based wall putty [water based] of approved make and finished smooth and even surface to receive painting including cost etc		-	-	-
а	Ground Floor	SqM	81.61	924.15	75,419.88
4	Providing and applying 2 coats with 100% acrylic emulsion paint on New surface including one coat of primer (exterior quality) of approved make & shade by reputed manufacturer to make an even finished surface over a coat of primer with water bound cement primer in all heights with all scaffolding and staging charges including cost, conveyance, taxes of all materials, cost of all labours, T & P, sundries etc. as required for the work complete.		-	-	-
α	Ground floor	SqM	150.10	368.30	55,281.83
5	Supplying and painting of internal walls and ceiling with two or more coats of ACRYLIC emulsion paint on New surface which includes a coat of primer all complete. The shade and brand to be of approved brand & shade over the surfaces including preparation of surface, with cost of all materials, labour, conveyance taxes of all materials, scaffolding etc., as per the direction of the Engineer-in-charge.		-	-	-
a	Ground floor	SqM	149.30	555.86	82,989.90
6	Painting with synthetic enamel paint over a coat of primer of approved colour, shade and brand on New wood work /steel work in two or more coats as required to give an even shade including an under coat of suitable primer of approved brand and manufacturer including cost of all materials with taxes and transportation, loading, unloading, scaffolding, all labour, Labour cess, sundries, T&P, etc. complete as per the direction of the Engineer-in-charge including filling gaps with putties, scrapping, sand papering and cleaning the surface to make free from rusts, dusts and oily substances before applying primer etc.	Y	-	-	-
α	Ground floor	sqm	216.80	25.20	5,463.36
E	FLOORING		-		-
1	A. S flooring under layer of 25mm thick C.C. (1:2:4) with 12mm ize granite chips and top layer of 6mm thick plaster cement red oxide mix using 3.5kg or red oxide per 50 kg of cement 1:3 finished with a floating coat of cement and Red oxide mix of same proportion.		-	-	<u>-</u>
α	Ground floor	SqM	427.00	162.84	69,532.68

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
2	12mm thick cement plaster in CM(1:4) with cement punning for skirting & Dados including all cost. complete with cost, conveyance, royality of all materials and labour with T&P required for the work with royalities, taxes etc.complete in all floors as per direction of Engineer-in-charge.	SqM	175.10	20.57	3,601.81
F	DOOR & WINDOW		-	ı	1
1	Providing and fixing unplasticised poly vinyl chloride (UPVC) door in cluding all fittings and cost, conveyance of all materials, labours and T&P required for the work etc, all complete as per direction of engineer in charge.	Sqm	8,963.00	3.15	28,233.45
2	Providing and fixing 30 mm thick factory made single extruded WPC (Wood polymer composite) solid plain flush door shutter of required size fixing with stainless steel butt hinges of required size with necessary full body threaded star headed counter sunk S.S screws, all complete as per direction of engineer in	Sqm	4,424.00	15.75	69,678.00
3	Supplying, fitting, fixing up window (sliding type) made up aluminum Section 9778 as windows frame, section No. 4095, 4096 and 9777, 3994 as shutter frame with rubber beading including locking arrangement including all fitting including cost of materials all taxes labour, T&P etc. complete as per direction of Engineer-incharge. including cost of frosted glass & SS mosquito net.	Sqm	7,648.40	24.30	1,85,856.12
G	STEEL WORK		-	-	-
			-	-	-

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
1	Supplying, fitting and fixing of M.S grills, grill gates with top and bottom rails, (as per I.S. specification and as per approved drawings) in proper position in all floors and at all height including making holes to brick walls/ R.C.C structure/wood work etc. and making good to the damaged walls/ structures with cement concrete (1:2:4) with black hard crusher broken granite stone chips of 12mm to 20mm size (20mm size not to exceeds 25%) including watering and curing including cost, conveyance, loading, unloading, stacking, royalties and taxes of all materials, cost of all Labour, Labour cess, Sundries, T&P required for the work etc.complete as per the direction of Engineer in charge (W.I. / M.S. windows grills, grill gates, collapsible gates with top and bottom rails, steel windows, steel doors, steel frames for doors and windows, staircase and parapet railings square bar along with required nos. of nails and screws and other required materials of approved quality and approved size shall be supplied by the contractor at his own cost.)	KG	89.50	864.00	77,328.00
2	Supplying, fitting and fixing of Stainless steel of 304 grade in hand railing using 50mm dia of 2mm thick circular pipe with balustrade of size 32mmx32mmx2mm @ 0.90mtr.C/C and stainless square pipe bracing of size 32mmx32mmx2mm in 3 rows in stair case as per approved design and specification ,buffing, polishing etc with cost,conveyance,taxes of all materials, labour, T & P etc. requird for the complete in all respect.	Rmt	3,524.00	22.50	79,290.00
			-	-	-
1 1	Grading plaster 2.5 cm thick grading Plaster (1:4) on roof slab with 6mm size HG chips including all cost, conveyance, royalty & taxes etc.comp.to work site for new work as per the specification approved by the department & direction of E.I.C	sqm	387.30	215.00	- 83,269.50
	TOTAL CIVIL WORK				42,83,918.50
					.=,53,220.30
2	PLUMBING AND SANITARY WORK				
	INTERNAL PH WORKS				

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
1	Supplying all materials, labour and T&P for fitting and fixing white glazed vitreous china porcelain Indian Pan water closet of size 23" of approved make confirming to IS-2556 and top inlet for sinking into floor with 100mm PVC 'P' trap etc. including supply of necessary cement concrete for fitting the closet etc. complete in all respect in all floors including cost, conveyance and taxes of all materials etc. complete and as per PH specification and direction of Engineer-in-charge.				
		Nos	5,597.74	2.00	11,195.48
2	Supplying all materials, labour and T&P for fitting and fixing white glazed vitreous china porcelain flat back urinal pan of approved make confirming to IS-2556 and top inlet for sinking into floor with 100mm PVC 'P' trap etc. including supply of necessary cement concrete for fitting the closet etc. complete in all respect in all floors including cost, conveyance and taxes of all materials etc. complete and as per PH specification and direction of Engineer-in-charge including marble partition in between urinals.		-	-	-
	 Supplying all materials, labour, T&P and fixing standard	Nos	12,288.40	2.00	24,576.80
3	sized shower (bath shower) of approved make etc complete including cutting the wall and making good the damages, including cost of all materials complete as per PH specification and direction of Engineering-incharge.		-	-	-
		Nos	993.00	2.00	1,986.00
4	fixing white glazed vitreous china porcelain wash basin of size 450mm × 300mm of approved make confirming to IS-2556 and top inlet for sinking into floor with 100mm PVC 'P' trap etc. including supply of necessary cement concrete for fitting the closet etc. complete in all respect in all floors including cost, conveyance and taxes of all materials etc. complete and as per PH specification and direction of Engineer-in-charge	Ne	- 0 150 10	-	-
		Nos	9,150.40	4.00	36,601.60
5	Supplying all materials, labour, T&P and fixing standard sized CP Bib cock of approved make etc complete including cutting the wall and making good the damages, including cost of all materials complete as per PH specification and direction of Engineering-in-charge.		-	-	-
		Nos	1,873.00	4.00	7,492.00

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
6	Supplying all materials, labour, T&P and fixing standard sized 15mm dia Angular Stop cock of approved make etc complete including cutting the wall and making good the damages, including cost of all materials complete as per PH specification and direction of Engineering-incharge.		-	-	-
	onal do.	Nos	1,158.40	4.00	4,633.60
7	Supplying all materials, labour, T&P and fixing standard 15mm sized pillar cock of approved make etc complete including cutting the wall and making good the damages, including cost of all materials complete as per PH specification and direction of Engineering-in-charge.		-	-	-
		Nos	1,626.00	4.00	6,504.00
8	Supplying all materials, labour, T&P and fixing standard sized Long body 15mm dia CP Bib cock of approved make etc complete including cutting the wall and making good the damages, including cost of all materials complete as per PH specification and direction of Engineering-in- charge.	Nos	2,107.00	4.00	8,428.00
	To Delice		-	-	-
9	Supplying all materials, labour, T&P and fixing standard sized two way CP Bib cock of approved make etc complete including cutting the wall and making good the damages, including cost of all materials complete as per PH specification and direction of Engineering-in-charge.	Nos	1,873.40	2.00	3,746.80
10	Supplying all materials, labour, T&P and fixing standard sized shower (Health Faucet) of approved make etc complete including cutting the wall and making good the damages, including cost of all materials complete as per PH specification and direction of Engineering-incharge.	Nos	993.00	2.00	1,986.00
11	Supplying all materials, labour, T&P and fixing standard sized Chromium Plated brass towel rail complete with Chromium Plated brass brackets fixed to wooden plugs with Chromium Plated brass screws as per specification and direction of the Engineer in charge	Nos	1,369.70	- 2.00	2,739.40
	Finite (00.4F0	1405	1,309./0	2.00	2,739.40
12	Fixing 600x450mm bevelled edge mirror of superior glass mounted on 6mm thick A.C sheet or plywood sheet and fixed to wooden plugs with Chromium Plated brass screws and washers complete as per specification and direction of the Engineer in charge		-	-	-
		NOS	1,841.80	4.00	7,367.20

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
13	Supplying all materials, labour, T&P and fittings and fixing of Poly Propelene white double layer water storage Tank of approved make confirming to IS 12701-1996 including cutting holes through the tank and fixing mild steel tubes and fittings and providing extra sockets and jam nuts, fixing ball valve etc including hoisting upto terrace level and placing the tank to the required position etc all complete as per PH specification and direction of Engineer-in-charge. (To provided with brick masonary guard walls which will be paid separately)		-	-	-
α	2000 ltr	Nos	25,364.70	1.00	25,364.70
			-	-	-
14	Supplying all materials, labours, T&P and fitting and fixing of the following size of CPVC pipe confirming to IS 15778 certification mark with socket and screw joints in walls and floors including supplying of required number of fittings of approved make including cutting threads to pipes and pipes to length, including wastage, etc for fitting to the walls with supply of holder ats, clamps, fixing wooden plugs in walls, including testing of pipe line for water tightness complete as per IS specification including cost, conveyance and taxes of all materials all complete as per PH specification and direction of Engineer-in-		-	-	-
a	25 mm dia	R.mtr	368.50	20.00	7,370.00
ь	32 mm dia	R.mtr	563.20	20.00	11,264.00
c	40mm dia	R.mtr	732.10	20.00	14,642.00
15	Providing all materials, labour, Fitting & fixing of CPVC Ball Valve with CTS socket. Make: Prince)		0	0	-
α	25mm Dia	Nos	842.00	1.00	842.00
Ь	32mm Dia	Nos	1,589.00	1.00	1,589.00
С	40mm dia	Nos	2,391.00	1.00	2,391.00
16	Supplying all materials, labours, T&P for cutting holes through existing brickwork including making good the damages in cement mortar (1:4) for taking GI pipes and fittings/PVC pipes and fittings etc all complete as per PH specification and direction of Engineer-in-charge.		-	-	-
		Nos	55.60	2.00	111.20
17	Supplying all materials, labours, T&P for cutting holes through existing RCC floors & roofs including making good the damages for taking GI pipes and fittings/PVC pipes and fittings etc all complete as per PH specification and direction of Engineer-in-charge.		-	-	-
		Nos	167.40	2.00	334.80
		. 103	107.10	2.00	

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
18	Supplyng all materials, labour, T&P for construction of brick masonary Gulley trap chamber of size300mm x 300mm with CI gulley trap, by Fly ash brick masonry in CM (1:4), CP (1:6) with 150mm x 150mm CI grating including labour and materials for fitting and fixing 100mm dia square mouth CI gully trap with supply of all jointing materials and encasing the gully trap with a block of CC (1:4:8) with 25mm size hard stone metal all complete with providing and fixing of 250mm x 250mm precast RCC cover slab including cost, conveyance, taxes of all materials to site complete as per the PH specification and direction of Engineer-in-charge.		-	-	-
		Nos	3,575.00	2.00	7,150.00
19	Providing all materials labour, T&P for making grooves in bricks/stone masonary walls vertically or horizontally up to required depth and width in all floor for laying of pipes and fittings up to 50mm dia, testing the joints with required water pressure and making good the damages with cement concrete 1:2:4 with 12mm size h.g.c.b.chips and finished smooth with cement morter (1:4) to original shape including cost of all materials, curing, conveyance of all materials etc. all complete excluding GST as per specification & direction of Engineer-in-charge.		0.00	0.00	-
		Rmt	248.10	20.00	4,962.00
20	External PH Supplying all materials, labours, T&P and fitting and fixing of the following size of CPVC pipe confirming to IS 15778 certification mark with socket and screw joints in walls and floors including supplying of required number of fittings of approved make including cutting threads to pipes and pipes to length, including wastage, etc for fitting to the walls with supply of holder ats, clamps, fixing wooden plugs in walls, including testing of pipe line for water tightness complete as per IS specification including cost, conveyance and taxes of all materials all complete as per PH specification and direction of Engineer-in-		-	_	<u>-</u>
a	50mm dia	Rmt	1,153.60	10.00	11,536.00

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
21	Supplying all materials & labour, T&P and constructing brick masonary chamber for water sluice valve, single air valve & non return valve with Fly ash brick masonary in cement mortar (1:4) as per approved drawing and specification CC (1:4:8) with 4cm size hard granite metal on the bed, 12mm cement plaster (1:6) to inside and cement flush pointing (1:6) to outside surface with 100mm thick RCC M20 cover slab with 20mm hg chips using required quantity of tor steel, centring and shuttering to the slab and dismantling it after 31 days of casting, filling the outside cavity with excavated materials, watering, curing including cost, conveyance, taxes of all materials, labour charges for cutting, bending, binding and tying the grills in proper position etc all complete as per drawing, design and direction of Engineer-in- charge.		-	-	1
a	Chamber (0.75x0.75x0.7mtr)	Nos	9,696.00	1.00	9,696.00
			-	-	-
22	Supplying all materials, labour, T&P and fitting and fixing of double air valve of 50mm Dia confirming to the relevant IS specification and dimension including fixing it in position along the pipeline with supply of all required materials such as rubber insertion, nuts & bolts including cost of all materials, taxes, and duties, transportation charges from store to site etc all complete as per the direction of Engineer-in-charge.		-	-	-
		Nos	4,111.90	1.00	4,111.90
23	Supply, installation, testing and commissioning of automatic star delta control panel suitable for 2 HP pumpset including MS box fitted with main switch ,contactor, single phasing preventer, timer, selector switch, voltmetre, ammeter etc and connection with motor inside the sump with suitable cable etc complete as per the Direction of Engineer-in-charge. (Excluding power supply)(MR)		-	-	-
		Set	14,500.00	1.00	14,500.00
	Septic Tank		-	-	-
24	Earth work in excavation in Hard rock by mechanical means (Hydraullic excavator)/ manual means overareas (exceeding 30 cm in depth, 1.5 m in width as well as 10sqm on plan) inculding disposal of excavated earth up to 50 m and lift upto 1.5m with all lead and lift including shoring, shuttering & dewatering (if required) with cost of all Labour, Labour cess ,Hire & Running charges of the water pumps, T & P required for the work complete as directed by the Engineer- in- charge.		-	-	-

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
α	Earth work excavation beyond 1.50mtr depth	CuM	210.97	6.00	1,265.82
25	Supplying and filling the Foundation & Plinth with clean coarse river sand of approved quality from approved quarry, laying in layers not exceeding 150mm thick, watering and ramming including cost, conveyance, royalty and taxes of all materials, cost of all labour, T&P etc. as required for the work complete as per direction of the Engineer-in-charge.		-	-	-
		CuM	782.30	2.73	2,135.68
26	Providing & laying cement concrete of prop. (1:4:8) in foundation bed and floors using 40mm nominal size down graded, screened, washed hard black crusher broken granite metal of approved quality & from approved quarry including laying in the layers not exceeding 100 mm thick etc. Providing and laying in position ready mixed M25 grade	CuM	5,023.60	0.75	3,767.70
27	concrete having compressive strength at 28 days test not lessthan 250kg/sq.cm for reinforced cement concrete work using cement content as per approved design mix etc		-	-	-
α	Foundation	CuM	6,373.05	1.00	6,373.05
Ь	RCC Wall	CuM	7,194.50	2.03	14,604.84
С	Slab	CuM	12,790.00	1.00	12,790.00
28	Cutting,straightening coiled or bent up HYSD/TMT Reinfocement Bars welding or jointing if necessary bending binding tying the grills as etc	Qntl	8,861.00	3.60	31,899.60
29	bending, binding, tying the grills as etc Providing 12mm. thick cement plaster with cement mortar of mix (1:4) in all floors cement and with screened and washed sharp sand for mortar with neat cement punning finished smooth to brick/RCC walls after racking out the joints including watering and curina complete with cost etc	SqM	153.30	12.18	1,867.19
30	Providing and laying of P.C.C. of 1:3:6 with 12 mm size hard granite metal in foundation trenches, under floors in line level including curing and ramming etc. all complete as per the direction of the Engineer-in-charge	ЭчМ	0	0	-
		Sqm	6,130.70	0.34	2,084.44
31	Finishing walls with water proofing cement paint of approved shade on new work Two coat to give an even shade		-	-	-
32	Back filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20 cm in depth, consolidating each deposited layer by ramming and watering, lead upto 50 m and lift upto 1.5m.	Sqm	37.90	12.18	461.62
		CuM	117.20	5.55	650.46
	Soak Pit		-	-	

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
33	Supplying and filling the Foundation & Plinth with clean coarse river sand of approved quality from approved quarry, laying in layers not exceeding 150mm thick, watering and ramming including cost, conveyance, royalty and taxes of all materials, cost of all labour, T&P etc. as required for the work complete as per direction of the Engineer-in-charge.		-	-	-
	, ,	CuM	782.30	1.00	782,30
34	Providing & laying cement concrete of prop. (1:4:8) in foundation bed and floors using 40mm nominal size down graded, screened, washed hard black crusher broken granite metal of approved quality & from approved quarry including laying in the layers not	CuM	5,023.60	0.62	3,114.63
35	exceeding 100 mm thick etc Providing and laying in position ready mixed M25 grade concrete having compressive strength at 28 days test not lessthan 250kg/sq.cm for reinforced cement concrete work using cement content as per approved design mix etc		-	-	-
α	Foundation	CuM	6,373.05	0.32	2,039.38
36	Providing 12mm. thick cement plaster with cement mortar of mix (1:4) in all floors cement and with screened and washed sharp sand for mortar with neat cement punning finished smooth to brick/RCC walls after racking out the joints including watering and curing complete with cost. etc.		-	-	-
		SqM	269.40	1.36	366.38
37	Providing and laying of P.C.C. of 1:3:6 with 12 mm size hard granite metal in foundation trenches, under floors in line level including curing and ramming etc. all complete as per the direction of the Engineer-incharge		0	0	-
	charge	Sqm	8,219.50	0.62	5,096.09
38	Fly Ash Brick Masonry in cement mortar of mix (1:6) using Fly Ash bricks of size 25c.m x 12 c.m x 8 c.m in Foundation & Plinth having crushing strength not less than 75 kg per square c.m. with cement and screened & washed sharp sand for mortar after immersing the bricks for 6 (Six) hours in water before use in works with all necessary projections, splays cutting, circular moulding, corbelling, chamfering, watering and curing etc. including cost, coveyance, stacking, loading, unloading, royalties, all taxes, cost of all labour, Labour cess, scaffolding, sundries and T&P required for the works etc. complete in all respect as directed by the Engineer-in-charge.		-	-	-
		CuM	5,379.00	6.37	34,264.23

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
39	Supplying all materials, labour, T&P, fitting and fixing uPVC SWR pipes (Type-B)(Co-moulded Ring type) of approved make confirming to IS-13592/1992with ISI marked, both below & above ground level or fixing on wall surface in all floors including transportation & scaffolding etc. all complete as per specification excluding GST & direction of the Engineer-in-charge.		0	0	-
α	Pipe 110mm dia	R.Mtr	828.11	30.00	24,843.30
Ь	110mm×110mm 'P' Trap (Make:Astral)	nos	494.00	2.00	988.00
С	110mm dia single 'Y' withoutdoor	nos	479.00	2.00	958.00
d	110mm WC connector/Bend with lip ring	nos	360.00	2.00	720.00
e	110mm Socket plug	nos	180.00	2.00	360.00
f	Upvc Elbow	nos	786.00	2.00	1,572.00
40	Sinking of 200 mm ×150mm size production well through DTH or combination drilling riges in hard rock area with PVC or GI casing pipes. 120mtr depth (1nos)	L.S	2,00,000.00	1.00	2,00,000.00
41	Supplying, fitting and fixing of Antiskid Ceramic Floor Tiles in flooring using special plain / printed series Ceramic Floor Tile of premium grade (having minimum thickness 7 mm to 8 mm & size 300 mm × 300 mm OR 600 mm ×600 mm, confirming to I.S 13755 of approved quality and shade in floors, treads on steps and landings on 25 m.m thick bed of cement mortar of mix (1:1) laid in proper slope and gradient with screened & washed sharp etc		-	-	-
	Ground floor	SqM	1,153.90	17.88	20,631.73
42	Supplying, fitting and fixing of ceramic glazed wall Tiles in skirting dado, risers of step and wall using special plain / printed series Ceramic wall Tile of premium grade (having minimum thickness 6.5 mm to 6.7 mm & size 300 mm × 300 mm OR 600mm ×300 mm,		-	-	-
	Ground floor	SqM	1,317.60	68.46	90,202.90
	TOTAL of internal PH WORK[I]				6,96,960.82
3	ELECTRICAL WORK				

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount .
1	Wiring for light point/ fan/ exhaust fan point/ call bell point with 1.5 sqmm FRLS PVC insulated copper conductor single core cable in surface / recessed 2 mm thick PVC conduit with modular switch and earthing the point with 1.5 sqmm FRLS PVC insulated copper conductor single core cable including providing modular box with cover of requisite number of modules including providing cover plates as required. Make Conduit:Norepack/Precision/AKG Wire-KEI/Havells/Finolex Switch/socket-Legrand				
a)	(myrius)/Panasonic(vision)/schneider(zencelo) Single light point controlled by one 6A switch or first light point of group control.	Each	785.00	20.00	15,700.00
b)	Subsequent point of group control	Each	515.00	4.00	2,060.00
2	Supplying and fixing two module steeped type electronic fan regulator with proper modular plate switch box including connections etc. as required. Switch/socket-Legrand (myrius)/Panasonic(vision)/schneider(zencelo)	Nos.	653.00	2.00	1,306.00
3	Supplying and fixing 6 Amp plug with 6 Amp switch (Modular Type) on existing board.	Nos.	356.00	8.00	2,848.00
4	Supplying and fixing including testing and commissioning of 6A modular socket outlet with 6 Amp switch including providing GI modular box with faceplate etc as required.		-	-	-
a)	1 nos 6 Amp 3-pin socket with 6 Amp switch.	Nos.	512.00	8.00	4,096.00
b)	2 nos 6 Amp 3-pin socket with 2 nos 6 Amp switch.	Nos.	909.00	6.00	5,454.00
5	Supply, installation, testing & commissioning of 6 / 16 Amp Plug Boards consisting of a 16 Amp clip-in type modular switch with indicator and a 6/16 Amp clip-in type modular socket fixed on metallic concealed box including interconnections and making good the damages caused complete as required and as per direction of Engineer-in-charge.		652.00	8.00	5,216.00
6	Supplying, installation, testing & commissioning of 25 amp modular socket outlet on surface or in recess, on 1 Nos two module GI box with plate for socket point and one nos two module GI Box with face plate for switch etc. complete as direction of Engineer-in-charge. As per Crabtree(cat no-ACTO202504) or equivalent of Learand/Schneider		1,330.15	4.00	5,320.60
7	Wiring for circuit/ submain wiring along with earth wire of following size of FRLS heavy gauge PVC insulated copper conductor single core cable in heavy duty PVC conduit laid in surface/ recess as required.		-	-	-
a)	2X2.5 + 1X2.5 sqmm FRLS Cu wire (for Light circuit wiring)	mtr	233.05	75.00	17,478.75

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
b)	double core 4 sq mm. copper wire for phase and neutral	mtr	386.00	20.00	7,720.00
c)	double core 6 sq mm. copper wire for phase and neutral	mtr	452.05	20.00	9,041.00
8	Supply, delivery and fixing of Ceiling fan hook box made out of 18 swg GI sheet and containing 10 mm dia round ms bar projecting atleast 150mm on either side & duly bent to accommodate ceiling fan down rod bolt & having earthing arrangement as per direction of Engineer-in-charge.	Nos.	150.00	10.00	1,500.00
9	36Watt LED Light fitting (3300 Lumen) for PHILIPS .(CAT No:RC365B LED33- 6500 PSU OD WH)/Equivalent of Halonix/Panasonic/crompton as required	Each	3,983.00	10.00	39,830.00
10	20Watt LED Surface/suspended Battern Linear Luminaire (2000 Lumen) PHILIPS (CAT No:WT150C LED20S-6500 PSE OD GR) / Equivalent of Halonix/Panasonic/crompton	Each	1,753.00	10.00	17,530.00
11	6Watt LED Light fitting (600 Lumen) PHILIPS (CAT No:DN191B LED6S-6500 PSU WH S1) / Equivalent ofHalonix/Panasonic/crompton	Each	1,231.00	4.00	4,924.00
12	Supplying, installation, testing and commissioning of ceiling fan (5 star rating) including wiring the down rod, earthing etc as required (Make : Bajaj/Usha/		-	-	-
(a)	Crompton/ Orient/ Khaitan/ Havells). 1200 mm sweep	Nos.	2,656.00	10.00	26,560.00
13	Supplying, installation, testing and commissioning of Exhaust fan / fresh air fan with louvre (Make - Bajaj/Usha/ Crompton/ Orient/ Khaitan/ Havells) as required.		-	-	-
a)	225 mm sweep fibre body fresh air fan	Nos.	1,753.00	2.00	3,506.00
14	Supplying, installation, testing and commissioning of Split Air Conditioner (Make -DAIKINI/VOLTAS/BLUE STAR/as required.	Nos.	55,000.00	4.00	2,20,000.00
15	Supplying and fixing following way, TP and neutral, sheet steel, MCB distribution board, IP-43,IK09 with metal door ,415 V, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCBOs/ISOLATORS) Make- Legrand(Ekinoxe3/siemens(Betaguard)/Schneider Acti9		-	-	-
a)	6 way, Double door	Nos.	4,631.00	2.00	9,262.00

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
16	Supplying and fixing following way, single pole and neutral, sheet steel, MCB distribution board, IP-43, IK-09, 240 V, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCBOS/ISOLATORS)		-		-
a)	12 way, Double door	Each	2,523.00	2.00	5,046.00
17	Supplying and fixing following rating RCBOs/ MCBs in the existing DB complete with connections, testing and commissioning etc. as required Make-Legrand/L&T/ABB		-		
c)	6 Amp to 32 Amp, 10 KA SP MCB (C-Curve)	Each	305.00	2.00	610.00
18	Supplying and fixing of following sizes of heavy gauge PVC conduit along with accessories in surface/recess including cutting the wall and making good the same in case of recessed conduit as required.		-	-	
a)	20 mm	mtr	52.00	100.00	5,200.00
19	Earthing with GI earth pipe 4.5 meter long,40mm dia incluiding accessories and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc with charcoal/coke and salt as required	Nos.	5,809.32	1.00	5,809.32
20	Providing and fixing 25 mm X 5mm GI strip on surface or in recess for connection etc as required.	Mtr	129.00	5.00	645.00
21	Providing and fixing 6 SWG GI wire on surface or in recess for loop earthing along with surface/recessed MS Conduit/submain wiring/cables etc as required.	Mtr	37.00	5.00	185.00
	Total Chadried Amount		-	-	4 17 047 77
	Total Electrical Amount		-	-	4,16,847.67
4	FIRE FIGHTING SYSTEM		_	-	
			-	-	
1	Supplying installation testing and commissioning of ABC type fire extinguishers of 6 kg capacity confirming to IS:14609 & ABC powder confirming IS:13849 presurized with Nitrozen Gas marked.including cost of all material & labour for all floors & service building etc. all complete. Make-KANEX/FIRE SHILD /SAFEX or equivalent	Nos	3,264.00	2.00	6,528.00

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
2	Supplying, installation, testing and commissioning of CO_2 type Fire Extinguisher 4.5 kg capacity confirming to IS: 2878 made from ISI marked seamless cylinder confirming to IS: 7285, fitted with ISI marked controlled valve confirming to IS: 3224, high pressure 1mtr discharge hose & horn complete with initial gas charged with carrying handle & wall mounting bracket for all floors & service building etc. as per direction of Engineer-in-charge.Make-KANEX/FIRE SHILD /SAFEX or equivalentor equivalent	Nos	7,700.00	2.00	15,400.00
3	Supplying, installation, testing and commissioning of Mechanical Foam type 9 litre capacity Fire Extinguisher, ISI marked, IS: 10204, containing 540 ml AFFF liquid ISI marked, IS: 4989 Part II and a polyurethane coated CO2 Gas Cartridge, ISI marked, IS: 4947 complete with gunmetal union cap, nylon hose with plastic foam making branch and wall mounting bracket as per direction of Engineer-in-charge.	Each	3,659.00	2.00	7,318.00
4	Sand Buket as per IS Specicification	Each	500.00	3.00	1,500.00
5	Buket Stand to Store 10 nos of Buket also having Aluminium sheet above the to prevent the stand from rain/sunst.	Nos	2,820.00	1.00	2,820.00
	Total Fire Fighting Amount				33,566.00

TENDER FOR CONSTRUCTION OF MULTI-PURPOSE CENTRE (MPC) AT VARIOUS LOCATIONS FOR DISTRICT OF RAYAGADA, ODISHA (2nd Call)

NIT No: PCO/BBSR/980/200 Date- 26.09.2024

CONSTRUCTION OF MULTI-PURPOSE CENTRE (MPC) AT PIGNAPUR, KADASI, KULUSING, GUNUPUR IN THE DISTRICT OF RAYAGADA

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
	Architectural Consultancy Services	Lot	54321.06	1	54321.06
	Sub Total				54321.06
1	CIVIL WORKS				
Α	EARTH WORK				
	Earth work in stoney earth and gravels mixed with				
	stone and boulder not exceeding 0.014 cum in volume				
	within 50m initial lead and 1.5m initial lift including				
1	rough dressing and breaking clods to maximum 5cm to				
	7cm and laying in layer not exceeding 0.3m in depth and				
	as per specification approved by the dept.				
i	Ordinary Soil	CuM	210.97	199.70	42,130.71
ii	Soft Rock	CuM	329.01	51.15	16,828.86
iii	Hard Rock	CuM	2,726.10	2.56	6,978.82
	Supplying & Filling foundation trenches , plinth &				
	ditches with clean course river sand well watered and			193.64	
	rammed in layers not exceeding 23 c.m. in depth with all				
	lead and lift including cost, conveyance, loading,				4 5 4 4 4 4 5 7
2	unloading, stacking, royalties and all taxes of sand, cost	CuM	782.30		1,51,484.57
	& conveyance of water, cost of all Labour,labour				
	cess,T&P required for the work etc. complete in all				
	respect as directed by the Engineer- in -charge.				
	Back filling available excavated earth (excluding rock)				
	in trenches, plinth, sides of foundations etc. in layers				
3	not exceeding 20 cm in depth, consolidating each	CuM	117.20	34.20	4,008.24
	deposited layer by ramming and watering, lead upto 50				
	m and lift upto 1.5m.				
	Making plinth protection 150 mm thick of cement				
	concrete 1:3:6 (1 cement: 3 coarse sand: 6 graded				
4	stone aggregate 20 mm nominal size) over 75mm thick		-	-	-
	bed of dry brick ballast 40 mm nominal size, well				
	rammed and consolidated and grouted with fine sand,				
	including finishing the top smooth	SqM	2,397.30	51.75	1,24,060.28
В	PLAIN & REINFORCEMENT CONCRETE	JYIVI	2,397.30	51.75	1,24,000.20

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
	Providing and laying P.C.C[1:4:8] using 4cm size metal				
	etc in foundation and floors using cement , 40 mm size				
	crusher broken H.G.Metal and screened and washed				
1	sharp river sand for mortar of approved quality and	CuM	5,023.60	34.35	1,72,560.66
	from approved quarry including hoisting ,lowering and				
	laying concrete to the required level, ramming				
	,watering and curing etc				
	Providing and laying in position ready mixed M25 grade				
	concrete having compressive strength at 28 days test				
_	not lessthan 250kg/sq.cm for reinforced cement				
2	concrete work using cement content as per approved		-	-	-
	design mix etc including Rigid & smooth centering and				
	shuttering.				
	For R.C.C foundation, footing bases of column, mass	CuM	6,373.05	68.94	1 20 259 07
а	concrete, pre-cast etc.	CuM	6,373.00	00.94	4,39,358.07
b	For R.C.C plinth band etc.	CuM	7,194.50	11.99	86,262.06
С	R.C.C Beam & Coloum		-	-	-
i	Ground Floor	CuM	14,197.00	26.72	3,79,343.84
d	Lintel		-	-	-
	Ground Floor	CuM	13,476.00	3.38	45,548.88
	Chaja		-	_	-
	Ground Floor	Sqm	1,120.90	12.15	13,618.94
	Roof slab, Landing, Balcony,		-	-	-
	Ground Floor Cutting ,Straightening coiled or bend up HYSD/TMT	CuM	12,790.00	27.43	3,50,829.70
3	Reinforcement bars welding or jointing if necessary ,		_		
3	bending ,tying the grills as required for R.C.C works		-	_	-
	etcwinding wire extra				
	Foundation	Qntl	8,861.00	45.93	4,06,985.73
	Ground floor	Qntl	8,861.00	72.65	6,43,751.65
	BRICK WORK		-	-	-
	Fly Ash Brick Masonry in cement mortar of mix				
	(1:6) using Fly Ash bricks of size $25c.m \times 11 c.m \times 8$				
	c.m in Foundation & Plinth having crushing strength				
	not less than 75 kg per square c.m. with cement and				
	screened & washed sharp sand for mortar after				
	immersing the bricks for 6 (Six) hours in water				
1	before use in works with all necessary projections,		-	-	-
	splays cutting, circular moulding, corbelling, chamfering, watering and curing etc. including cost,				
	coveyance, stacking, loading, unloading, royalties, all				
	taxes ,cost of all labour,Labour cess ,scaffolding,				
	sundries and T&P required for the works etc. complete				
	in all respect as directed by the Engineer-in-charge.				
	Foundation and Plinth	CuM	5,163.00	19.46	1,00,471.98

(1:6 c.m i than & wi brick with moul etc. unloc	y Ash Brick Masonry in cement mortar of mix :6) using Fly Ash bricks of size 25c.m × 11 c.m × 8 In in superstructure having crushing strength not less an 75 kg per square c.m. with cement and screened washed sharp sand for mortar after immersing the icks for 6 (Six) hours in water before use in works th all necessary projections, splays cutting, circular building, corbelling, chamfering, watering and curing ac. including cost, coveyance, stacking, loading, loading, royalties, all taxes, cost of all labour, Labour as s, scaffolding, sundries and T&P required for the borks etc. complete in all respect as directed by the agineer-in-charge. Tound Floor y Ash Brick masonry in cement mortar of mix [1:4]	()	-	<u>-</u>	-
Engi		Culta			
	v Ash Brick masonry in coment montan of miv [1.41]	CuM	5,196.00	66.30	3,44,494.80
3 using	ing Fly Ash bricks of size 25cm12cmx8cm in perstructure having crushing strength not less than b kg /m2 etc[Half Brick work]		-	-	-
a Grou	ound Floor	CuM	5,458.00	1.05	5,730.90
D PLAS	ASTERING & PAINTING		-	-	-
mort & sc finis mass 1 prov wate with taxe	oviding 12mm. Thick cement plaster in cement ortar or mix(1:6) in all floors at all height with cement screened and washed sharp river sand for mortar and hished smooth to the rough surface of the brick asonary walls after racking out the joints (alongwith oviding grooves wherever necessary) including atering and curing, rounding of corners etc. complete th cost, conveyance, loading, unloading, royalities and exes of all materials, cost of all labour, T&P, sundries d scaffolding required for the work etc. as directed the Engineer-in-charge.		-	-	-
a Grou	round floor	SqM	153.30	347.49	53,270.22
mort & sc finis mass 2 prov wate with taxe and	oviding 16mm. Thick cement plaster in cement ortar or mix(1:6) in all floors at all height with cement screened and washed sharp river sand for mortar and nished smooth to the rough surface of the brick asonary walls after racking out the joints (alongwith oviding grooves wherever necessary)including atering and curing,rounding of corners etc. complete th cost,conveyance,loading, unloading,royalities and xes of all materials,cost of all labour,T&P,sundries d scaffolding required for the work etc. as directed the Engineer-in- charge.		-	-	-
a Grou	round floor	SqM	219.10	368.30	80,694.53

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount .
3	Finishing wall surface of wall with cement based wall putty [water based] of approved make and finished smooth and even surface to receive painting including cost etc		-	-	-
а	Ground Floor	SqM	81.61	924.15	75,419.88
4	Providing and applying 2 coats with 100% acrylic emulsion paint on New surface including one coat of primer (exterior quality) of approved make & shade by reputed manufacturer to make an even finished surface over a coat of primer with water bound cement primer in all heights with all scaffolding and staging charges including cost, conveyance, taxes of all materials, cost of all labours, T & P, sundries etc. as required for the work complete.		-	-	-
α	Ground floor	SqM	150.10	368.30	55,281.83
5	Supplying and painting of internal walls and ceiling with two or more coats of ACRYLIC emulsion paint on New surface which includes a coat of primer all complete. The shade and brand to be of approved brand & shade over the surfaces including preparation of surface, with cost of all materials, labour, conveyance taxes of all materials, scaffolding etc., as per the direction of the Engineer-in-charge.		-	-	-
a	Ground floor	SqM	149.30	555.86	82,989.90
6	Painting with synthetic enamel paint over a coat of primer of approved colour, shade and brand on New wood work /steel work in two or more coats as required to give an even shade including an under coat of suitable primer of approved brand and manufacturer including cost of all materials with taxes and transportation, loading, unloading, scaffolding, all labour, Labour cess, sundries, T&P, etc. complete as per the direction of the Engineer-in-charge including filling gaps with putties, scrapping, sand papering and cleaning the surface to make free from rusts, dusts and oily substances before applying primer etc.	Y	-	-	-
α	Ground floor	sqm	216.80	25.20	5,463.36
E	FLOORING		-		-
1	A. S flooring under layer of 25mm thick C.C. (1:2:4) with 12mm ize granite chips and top layer of 6mm thick plaster cement red oxide mix using 3.5kg or red oxide per 50 kg of cement 1:3 finished with a floating coat of cement and Red oxide mix of same proportion.		-	-	<u>-</u>
α	Ground floor	SqM	427.00	162.84	69,532.68

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
2	12mm thick cement plaster in CM(1:4) with cement punning for skirting & Dados including all cost. complete with cost, conveyance, royality of all materials and labour with T&P required for the work with royalities, taxes etc.complete in all floors as per direction of Engineer-in-charge.	SqM	175.10	20.57	3,601.81
F	DOOR & WINDOW		-	ı	1
1	Providing and fixing unplasticised poly vinyl chloride (UPVC) door in cluding all fittings and cost, conveyance of all materials, labours and T&P required for the work etc, all complete as per direction of engineer in charge.	Sqm	8,963.00	3.15	28,233.45
2	Providing and fixing 30 mm thick factory made single extruded WPC (Wood polymer composite) solid plain flush door shutter of required size fixing with stainless steel butt hinges of required size with necessary full body threaded star headed counter sunk S.S screws, all complete as per direction of engineer in	Sqm	4,424.00	15.75	69,678.00
3	Supplying, fitting, fixing up window (sliding type) made up aluminum Section 9778 as windows frame, section No. 4095, 4096 and 9777, 3994 as shutter frame with rubber beading including locking arrangement including all fitting including cost of materials all taxes labour, T&P etc. complete as per direction of Engineer-incharge. including cost of frosted glass & SS mosquito net.	Sqm	7,648.40	24.30	1,85,856.12
G	STEEL WORK		-	-	-
			-	-	-

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
1	Supplying, fitting and fixing of M.S grills, grill gates with top and bottom rails, (as per I.S. specification and as per approved drawings) in proper position in all floors and at all height including making holes to brick walls/ R.C.C structure/wood work etc. and making good to the damaged walls/ structures with cement concrete (1:2:4) with black hard crusher broken granite stone chips of 12mm to 20mm size (20mm size not to exceeds 25%) including watering and curing including cost, conveyance, loading, unloading, stacking, royalties and taxes of all materials, cost of all Labour, Labour cess ,Sundries, T&P required for the work etc.complete as per the direction of Engineer in charge (W.I. / M.S. windows grills, grill gates, collapsible gates with top and bottom rails, steel windows, steel doors, steel frames for doors and windows, staircase and parapet railings square bar along with required nos. of nails and screws and other required materials of approved quality and approved size shall be supplied by the contractor at his own cost.)	KG	89.50	864.00	77,328.00
2	Supplying, fitting and fixing of Stainless steel of 304 grade in hand railing using 50mm dia of 2mm thick circular pipe with balustrade of size 32mmx32mmx2mm @ 0.90mtr.C/C and stainless square pipe bracing of size 32mmx32mmx2mm in 3 rows in stair case as per approved design and specification ,buffing, polishing etc with cost,conveyance,taxes of all materials, labour, T & P etc. requird for the complete in all respect.	Rmt	3,524.00	22.50	79,290.00
- 11	Condition of the same		-	-	-
1	Grading plaster 2.5 cm thick grading Plaster (1:4) on roof slab with 6mm size HG chips including all cost, conveyance, royalty & taxes etc.comp.to work site for new work as per the specification approved by the department & direction of E.I.C	sqm	387.30	215.00	83,269.50
	TOTAL CIVIL WORK				42,84,357.97
2	PLUMBING AND SANITARY WORK				
	INTERNAL PH WORKS				

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
1	Supplying all materials, labour and T&P for fitting and fixing white glazed vitreous china porcelain Indian Pan water closet of size 23" of approved make confirming to IS-2556 and top inlet for sinking into floor with 100mm PVC 'P' trap etc. including supply of necessary cement concrete for fitting the closet etc. complete in all respect in all floors including cost, conveyance and taxes of all materials etc. complete and as per PH specification and direction of Engineer-in-charge.				
		Nos	5,597.74	2.00	11,195.48
2	Supplying all materials, labour and T&P for fitting and fixing white glazed vitreous china porcelain flat back urinal pan of approved make confirming to IS-2556 and top inlet for sinking into floor with 100mm PVC 'P' trap etc. including supply of necessary cement concrete for fitting the closet etc. complete in all respect in all floors including cost, conveyance and taxes of all materials etc. complete and as per PH specification and direction of Engineer-in-charge including marble partition in between urinals.		-	-	-
	Supplying all materials, labour, T&P and fixing standard	Nos	12,288.40	2.00	24,576.80
3	sized shower (bath shower) of approved make etc complete including cutting the wall and making good the damages, including cost of all materials complete as per PH specification and direction of Engineering-incharae.		-	-	-
		Nos	993.00	2.00	1,986.00
4	fixing white glazed vitreous china porcelain wash basin of size 450mm × 300mm of approved make confirming to IS-2556 and top inlet for sinking into floor with 100mm PVC 'P' trap etc. including supply of necessary cement concrete for fitting the closet etc. complete in all respect in all floors including cost, conveyance and taxes of all materials etc. complete and as per PH specification and direction of Engineer-in-charge		<u>-</u>	<u>-</u>	-
		Nos	9,150.40	4.00	36,601.60
5	Supplying all materials, labour, T&P and fixing standard sized CP Bib cock of approved make etc complete including cutting the wall and making good the damages, including cost of all materials complete as per PH specification and direction of Engineering-in-charge.		-	-	-
		Nos	1,873.00	4.00	7,492.00

Item No/5.No	Description of work	Unit	Rate	Quantity	Amount
6	Supplying all materials, labour, T&P and fixing standard sized 15mm dia Angular Stop cock of approved make etc complete including cutting the wall and making good the damages, including cost of all materials complete as per PH specification and direction of Engineering-incharge.		-	-	-
		Nos	1,158.40	4.00	4,633.60
7	Supplying all materials, labour, T&P and fixing standard 15mm sized pillar cock of approved make etc complete including cutting the wall and making good the damages, including cost of all materials complete as per PH specification and direction of Engineering-in-charge.		-	-	-
		Nos	1,626.00	4.00	6,504.00
8	Supplying all materials, labour, T&P and fixing standard sized Long body 15mm dia CP Bib cock of approved make etc complete including cutting the wall and making good the damages, including cost of all materials complete as per PH specification and direction of Engineering-in- charge.	Nos	2,107.00	4.00	8,428.00
	T. D. 17:		-	-	-
9	Supplying all materials, labour, T&P and fixing standard sized two way CP Bib cock of approved make etc complete including cutting the wall and making good the damages, including cost of all materials complete as per PH specification and direction of Engineering-incharge.	Nos	1,873.40	2.00	3,746.80
10	Supplying all materials, labour, T&P and fixing standard sized shower (Health Faucet) of approved make etc complete including cutting the wall and making good the damages, including cost of all materials complete as per PH specification and direction of Engineering-incharge.	Nos	993.00	2.00	1,986.00
11	Supplying all materials, labour, T&P and fixing standard sized Chromium Plated brass towel rail complete with Chromium Plated brass brackets fixed to wooden plugs with Chromium Plated brass screws as per specification and direction of the Engineer in charge	Nos	1,369.70	2.00	2,739.40
12	Fixing 600x450mm bevelled edge mirror of superior glass mounted on 6mm thick A.C sheet or plywood sheet and fixed to wooden plugs with Chromium Plated brass screws and washers complete as per specification and direction of the Engineer in charge	1403	-	-	-
		NOS	1,841.80	4.00	7,367.20

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
13	Supplying all materials, labour, T&P and fittings and fixing of Poly Propelene white double layer water storage Tank of approved make confirming to IS 12701-1996 including cutting holes through the tank and fixing mild steel tubes and fittings and providing extra sockets and jam nuts, fixing ball valve etc including hoisting upto terrace level and placing the tank to the required position etc all complete as per PH specification and direction of Engineer-in-charge. (To provided with brick masonary guard walls which will be paid separately)		-	-	-
α	2000 ltr	Nos	25,364.70	1.00	25,364.70
			-	-	
14	Supplying all materials, labours, T&P and fitting and fixing of the following size of CPVC pipe confirming to IS 15778 certification mark with socket and screw joints in walls and floors including supplying of required number of fittings of approved make including cutting threads to pipes and pipes to length, including wastage, etc for fitting to the walls with supply of holder ats, clamps, fixing wooden plugs in walls, including testing of pipe line for water tightness complete as per IS specification including cost, conveyance and taxes of all materials all complete as per PH specification and direction of Engineer-in-		-	-	-
a	25 mm dia	R.mtr	368.50	20.00	7,370.00
ь	32 mm dia	R.mtr	563.20	20.00	11,264.00
c	40mm dia	R.mtr	732.10	20.00	14,642.00
15	Providing all materials, labour, Fitting & fixing of CPVC Ball Valve with CTS socket. Make: Prince)		0	0	-
α	25mm Dia	Nos	842.00	1.00	842.00
Ь	32mm Dia	Nos	1,589.00	1.00	1,589.00
С	40mm dia	Nos	2,391.00	1.00	2,391.00
16	Supplying all materials, labours, T&P for cutting holes through existing brickwork including making good the damages in cement mortar (1:4) for taking GI pipes and fittings/PVC pipes and fittings etc all complete as per PH specification and direction of Engineer-in-charge.		-	-	-
		Nos	55.70	2.00	111.40
17	Supplying all materials, labours, T&P for cutting holes through existing RCC floors & roofs including making good the damages for taking GI pipes and fittings/PVC pipes and fittings etc all complete as per PH specification and direction of Engineer-in-charge.		-	-	-
		Nos	167.40	2.00	334.80

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
18	Supplyng all materials, labour, T&P for construction of brick masonary Gulley trap chamber of size300mm x 300mm with CI gulley trap, by Fly ash brick masonry in CM (1:4), CP (1:6) with 150mm x 150mm CI grating including labour and materials for fitting and fixing 100mm dia square mouth CI gully trap with supply of all jointing materials and encasing the gully trap with a block of CC (1:4:8) with 25mm size hard stone metal all complete with providing and fixing of 250mm x 250mm precast RCC cover slab including cost, conveyance, taxes of all materials to site complete as per the PH specification and direction of Engineer-in-charge.		-		-
		Nos	3,580.00	2.00	7,160.00
19	Providing all materials labour, T&P for making grooves in bricks/stone masonary walls vertically or horizontally up to required depth and width in all floor for laying of pipes and fittings up to 50mm dia, testing the joints with required water pressure and making good the damages with cement concrete 1:2:4 with 12mm size h.g.c.b.chips and finished smooth with cement morter (1:4) to original shape including cost of all materials, curing, conveyance of all materials etc. all complete excluding GST as per specification & direction of Engineer-in-charge.		0.00	0.00	-
TT	Firetran et DI (Rmt	248.10	20.00	4,962.00
20	External PH Supplying all materials, labours, T&P and fitting and fixing of the following size of CPVC pipe confirming to IS 15778 certification mark with socket and screw joints in walls and floors including supplying of required number of fittings of approved make including cutting threads to pipes and pipes to length, including wastage, etc for fitting to the walls with supply of holder ats, clamps, fixing wooden plugs in walls, including testing of pipe line for water tightness complete as per IS specification including cost, conveyance and taxes of all materials all complete as per PH specification and direction of Engineer-in-		-	-	-
a	50mm dia	Rmt	1,153.60	10.00	11,536.00

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
21	Supplying all materials & labour, T&P and constructing brick masonary chamber for water sluice valve, single air valve & non return valve with Fly ash brick masonary in cement mortar (1:4) as per approved drawing and specification CC (1:4:8) with 4cm size hard granite metal on the bed, 12mm cement plaster (1:6) to inside and cement flush pointing (1:6) to outside surface with 100mm thick RCC M20 cover slab with 20mm hg chips using required quantity of tor steel, centring and shuttering to the slab and dismantling it after 31 days of casting, filling the outside cavity with excavated materials, watering, curing including cost, conveyance, taxes of all materials, labour charges for cutting, bending, binding and tying the grills in proper position etc all complete as per drawing, design and direction of Engineer-in-charge.			-	
α	Chamber (0.75x0.75x0.7mtr)	Nos	9,728.00	1.00	9,728.00
			-		-
22	Supplying all materials, labour, T&P and fitting and fixing of double air valve of 50mm Dia confirming to the relevant IS specification and dimension including fixing it in position along the pipeline with supply of all required materials such as rubber insertion, nuts & bolts including cost of all materials, taxes, and duties, transportation charges from store to site etc all complete as per the direction of Engineer-in-charge.		-	-	-
		Nos	4,111.90	1.00	4,111.90
23	Supply, installation, testing and commissioning of automatic star delta control panel suitable for 2 HP pumpset including MS box fitted with main switch ,contactor, single phasing preventer, timer, selector switch, voltmetre, ammeter etc and connection with motor inside the sump with suitable cable etc complete as per the Direction of Engineer-in-charge. (Excluding power supply)(MR)		-	-	-
		Set	14,500.00	1.00	14,500.00
	Septic Tank		-	-	-
24	Earth work in excavation in Hard rock by mechanical means (Hydraullic excavator)/ manual means overareas (exceeding 30 cm in depth, 1.5 m in width as well as 10sqm on plan) inculding disposal of excavated earth up to 50 m and lift upto 1.5m with all lead and lift including shoring, shuttering & dewatering (if required) with cost of all Labour, Labour cess ,Hire & Running charges of the water pumps, T & P required for the work complete as directed by the Engineer- in- charge.		-	-	-

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
α	Earth work excavation beyond 1.50mtr depth	CuM	210.97	6.00	1,265.82
25	Supplying and filling the Foundation & Plinth with clean coarse river sand of approved quality from approved quarry, laying in layers not exceeding 150mm thick, watering and ramming including cost, conveyance, royalty and taxes of all materials, cost of all labour, T&P etc. as required for the work complete as per direction of the Engineer-in-charge.		-	-	-
		CuM	782.30	2.73	2,135.68
26	Providing & laying cement concrete of prop. (1:4:8) in foundation bed and floors using 40mm nominal size down graded, screened, washed hard black crusher broken granite metal of approved quality & from approved quarry including laying in the layers not exceeding 100 mm thick etc.	CuM	5,023.60	0.75	3,767.70
27	Providing and laying in position ready mixed M25 grade concrete having compressive strength at 28 days test not lessthan 250kg/sq.cm for reinforced cement concrete work using cement content as per approved design mix etc		-	-	-
α	Foundation	CuM	6,373.05	1.00	6,373.05
Ь	RCC Wall	CuM	7,194.50	2.03	14,604.84
С	Slab	CuM	12,790.00	1.00	12,790.00
28	Cutting,straightening coiled or bent up HYSD/TMT Reinfocement Bars welding or jointing if necessary bending binding tying the grills as etc	Qntl	8,861.00	3.60	31,899.60
29	bending, binding, tying the grills as etc. Providing 12mm. thick cement plaster with cement mortar of mix (1:4) in all floors cement and with screened and washed sharp sand for mortar with neat cement punning finished smooth to brick/RCC walls after racking out the joints including watering and curina complete with cost etc.	SqM	153.30	12.18	1,867.19
30	Providing and laying of P.C.C. of 1:3:6 with 12 mm size hard granite metal in foundation trenches, under floors in line level including curing and ramming etc. all complete as per the direction of the Engineer-in-charge	Эчм	0	0	-
	CHUI GC	Sqm	6,130.70	0.34	2,084.44
31	Finishing walls with water proofing cement paint of approved shade on new work Two coat to give an even shade		-	-	-
32	Back filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20 cm in depth, consolidating each deposited layer by ramming and watering, lead upto 50 m and lift upto 1.5m.	Sqm	37.90	12.18	461.62 -
		CuM	117.20	5.55	650.46
	Soak Pit		-	-	-

Item No/S.No	Description of work	Unit	Rate	Quantity	<i>A</i> mount
33	Supplying and filling the Foundation & Plinth with clean coarse river sand of approved quality from approved quarry, laying in layers not exceeding 150mm thick, watering and ramming including cost, conveyance, royalty and taxes of all materials, cost of all labour, T&P etc. as required for the work complete as per direction of the Engineer-in-charge.		-	-	-
	an ection of the Engineer-in-charge.	CuAA	700.20	1.00	702 20
	Providing & laying cement concrete of prop. (1:4:8) in	CuM	782.30	1.00	782.30
34	foundation bed and floors using 40mm nominal size down graded, screened, washed hard black crusher broken granite metal of approved quality & from approved quarry including laying in the layers not	CuM	5,023.60	0.62	3,114.63
35	exceeding 100 mm thick etc Providing and laying in position ready mixed M25 grade concrete having compressive strength at 28 days test not lessthan 250kg/sq.cm for reinforced cement concrete work using cement content as per approved design mix etc		-	-	-
α	Foundation	CuM	6,373.05	0.32	2,039.38
36	Providing 12mm. thick cement plaster with cement mortar of mix (1:4) in all floors cement and with screened and washed sharp sand for mortar with neat cement punning finished smooth to brick/RCC walls after racking out the joints including watering and curing complete with cost. etc.		-	-	-
		SqM	269.40	1.36	366.38
37	Providing and laying of P.C.C. of 1:3:6 with 12 mm size hard granite metal in foundation trenches, under floors in line level including curing and ramming etc. all complete as per the direction of the Engineer-in-		0	0	-
	<u>charge</u>	Sqm	8,219.50	0.62	5,096.09
38	Fly Ash Brick Masonry in cement mortar of mix (1:6) using Fly Ash bricks of size 25c.m x 12 c.m x 8 c.m in Foundation & Plinth having crushing strength not less than 75 kg per square c.m. with cement and screened & washed sharp sand for mortar after immersing the bricks for 6 (Six) hours in water before use in works with all necessary projections, splays cutting, circular moulding, corbelling, chamfering, watering and curing etc. including cost, coveyance, stacking, loading, unloading, royalties, all taxes, cost of all labour, Labour cess, scaffolding, sundries and T&P required for the works etc. complete in all respect as directed by the Engineer-in-charge.		-	-	_
	<u> </u>	CuM	5,431.00	6.37	34,595.47

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
39	Supplying all materials, labour, T&P, fitting and fixing uPVC SWR pipes (Type-B)(Co-moulded Ring type) of approved make confirming to IS-13592/1992with ISI marked, both below & above ground level or fixing on wall surface in all floors including transportation & scaffolding etc. all complete as per specification excluding GST & direction of the Engineer-in-charge.		0	0	-
α	Pipe 110mm dia	R.Mtr	828.11	30.00	24,843.30
Ь	110mm×110mm 'P' Trap (Make:Astral)	nos	494.00	2.00	988.00
C	110mm dia single 'Y' withoutdoor	nos	479.00	2.00	958.00
ъ	110mm WC connector/Bend with lip ring	nos	360.00	2.00	720.00
e	110mm Socket plug	nos	180.00	2.00	360.00
f	Upvc Elbow	nos	786.00	2.00	1,572.00
40	Sinking of 200 mm x150mm size production well through DTH or combination drilling riges in hard rock area with PVC or GI casing pipes. 120mtr depth (1nos)	L.S	2,00,000.00	1.00	2,00,000.00
41	Supplying, fitting and fixing of Antiskid Ceramic Floor Tiles in flooring using special plain / printed series Ceramic Floor Tile of premium grade (having minimum thickness 7 mm to 8 mm & size 300 mm × 300 mm OR 600 mm ×600 mm, confirming to I.S 13755 of approved quality and shade in floors, treads on steps and landings on 25 m.m thick bed of cement mortar of mix (1:1) laid in proper slope and gradient with screened & washed sharp etc		-	-	-
	Ground floor	SqM	1,153.90	17.88	20,631.73
42	Supplying, fitting and fixing of ceramic glazed wall Tiles in skirting dado, risers of step and wall using special plain / printed series Ceramic wall Tile of premium grade (having minimum thickness 6.5 mm to 6.7 mm & size 300 mm × 300 mm OR 600mm ×300 mm,		-	-	-
	Ground floor	SqM	1,317.60	68.46	90,202.90
	TOTAL of internal PH WORK[I]				6,97,334.26
3	ELECTRICAL WORK				

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount .
1	Wiring for light point/ fan/ exhaust fan point/ call bell point with 1.5 sqmm FRLS PVC insulated copper conductor single core cable in surface / recessed 2 mm thick PVC conduit with modular switch and earthing the point with 1.5 sqmm FRLS PVC insulated copper conductor single core cable including providing modular box with cover of requisite number of modules including providing cover plates as required. Make Conduit:Norepack/Precision/AKG Wire-KEI/Havells/Finolex Switch/socket-Legrand (myrius)/Panasonic(vision)/schneider(zencelo)		-	-	-
a)	Single light point controlled by one 6A switch or first light point of group control.	Each	785.00	20.00	15,700.00
b)	Subsequent point of group control	Each	515.00	4.00	2,060.00
2	Supplying and fixing two module steeped type electronic fan regulator with proper modular plate switch box including connections etc. as required. Switch/socket-Legrand (myrius)/Panasonic(vision)/schneider(zencelo)	Nos.	653.00	2.00	1,306.00
3	Supplying and fixing 6 Amp plug with 6 Amp switch (Modular Type) on existing board.	Nos.	356.00	8.00	2,848.00
4	Supplying and fixing including testing and commissioning of 6A modular socket outlet with 6 Amp switch including providing GI modular box with faceplate etc as required.		-	-	-
a)	1 nos 6 Amp 3-pin socket with 6 Amp switch.	Nos.	512.00	8.00	4,096.00
b)	2 nos 6 Amp 3-pin socket with 2 nos 6 Amp switch.	Nos.	909.00	6.00	5,454.00
5	Supply, installation, testing & commissioning of 6 / 16 Amp Plug Boards consisting of a 16 Amp clip-in type modular switch with indicator and a 6/16 Amp clip-in type modular socket fixed on metallic concealed box including interconnections and making good the damages caused complete as required and as per direction of Engineer-in-charge. Supplying, installation, testing & commissioning of 25		652.00	8.00	5,216.00
6	amp modular socket outlet on surface or in recess, on 1 Nos two module GI box with plate for socket point and one nos two module GI Box with face plate for switch etc. complete as direction of Engineer-in-charge. As per Crabtree(cat no-ACTO202504) or equivalent of Learand/Schneider		1,330.15	4.00	5,320.60
7	Wiring for circuit/ submain wiring along with earth wire of following size of FRLS heavy gauge PVC insulated copper conductor single core cable in heavy duty PVC conduit laid in surface/ recess as required.		-	-	-
a)	2X2.5 + 1X2.5 sqmm FRLS Cu wire (for Light circuit wiring)	mtr	233.05	75.00	17,478.75

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
b)	double core 4 sq mm. copper wire for phase and neutral	mtr	386.00	20.00	7,720.00
c)	double core 6 sq mm. copper wire for phase and neutral	mtr	452.05	20.00	9,041.00
8	Supply, delivery and fixing of Ceiling fan hook box made out of 18 swg GI sheet and containing 10 mm dia round ms bar projecting atleast 150mm on either side & duly bent to accommodate ceiling fan down rod bolt & having earthing arrangement as per direction of Engineer-in-charge.	Nos.	150.00	10.00	1,500.00
9	36Watt LED Light fitting (3300 Lumen) for PHILIPS .(CAT No:RC365B LED33- 6500 PSU OD WH)/Equivalent of Halonix/Panasonic/crompton as required	Each	3,983.00	10.00	39,830.00
10	20Watt LED Surface/suspended Battern Linear Luminaire (2000 Lumen) PHILIPS (CAT No:WT150C LED20S-6500 PSE OD GR) / Equivalent of Halonix/Panasonic/crompton	Each	1,753.00	10.00	17,530.00
11	6Watt LED Light fitting (600 Lumen) PHILIPS (CAT No:DN191B LED6S-6500 PSU WH S1) / Equivalent ofHalonix/Panasonic/crompton	Each	1,231.00	4.00	4,924.00
12	Supplying, installation, testing and commissioning of ceiling fan (5 star rating) including wiring the down rod, earthing etc as required (Make : Bajaj/Usha/		-	-	-
(a)	Crompton/ Orient/ Khaitan/ Havells). 1200 mm sweep	Nos.	2,656.00	10.00	26,560.00
13	Supplying, installation, testing and commissioning of Exhaust fan / fresh air fan with louvre (Make - Bajaj/Usha/ Crompton/ Orient/ Khaitan/ Havells) as required.		-	-	-
a)	225 mm sweep fibre body fresh air fan	Nos.	1,753.00	2.00	3,506.00
14	Supplying, installation, testing and commissioning of Split Air Conditioner (Make -DAIKINI/VOLTAS/BLUE STAR/as required.	Nos.	55,000.00	4.00	2,20,000.00
15	Supplying and fixing following way, TP and neutral, sheet steel, MCB distribution board, IP-43,IK09 with metal door ,415 V, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCBOs/ISOLATORS) Make- Legrand(Ekinoxe3/siemens(Betaguard)/Schneider Acti9		-	-	-
a)	6 way, Double door	Nos.	4,631.00	2.00	9,262.00

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
16	Supplying and fixing following way, single pole and neutral, sheet steel, MCB distribution board, IP-43, IK-09, 240 V, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCBOS/ISOLATORS)		-		-
a)	12 way, Double door	Each	2,523.00	2.00	5,046.00
17	Supplying and fixing following rating RCBOs/ MCBs in the existing DB complete with connections, testing and commissioning etc. as required Make-Legrand/L&T/ABB		-		
c)	6 Amp to 32 Amp, 10 KA SP MCB (C-Curve)	Each	305.00	2.00	610.00
18	Supplying and fixing of following sizes of heavy gauge PVC conduit along with accessories in surface/recess including cutting the wall and making good the same in case of recessed conduit as required.		-	-	
a)	20 mm	mtr	52.00	100.00	5,200.00
19	Earthing with GI earth pipe 4.5 meter long,40mm dia incluiding accessories and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc with charcoal/coke and salt as required	Nos.	5,809.32	1.00	5,809.32
20	Providing and fixing 25 mm X 5mm GI strip on surface or in recess for connection etc as required.	Mtr	129.00	5.00	645.00
21	Providing and fixing 6 SWG GI wire on surface or in recess for loop earthing along with surface/recessed MS Conduit/submain wiring/cables etc as required.	Mtr	37.00	5.00	185.00
	Total Chadried Amount		-	-	4 17 047 77
	Total Electrical Amount		-	-	4,16,847.67
4	FIRE FIGHTING SYSTEM		_	-	
			-	-	
1	Supplying installation testing and commissioning of ABC type fire extinguishers of 6 kg capacity confirming to IS:14609 & ABC powder confirming IS:13849 presurized with Nitrozen Gas marked.including cost of all material & labour for all floors & service building etc. all complete. Make-KANEX/FIRE SHILD /SAFEX or equivalent	Nos	3,264.00	2.00	6,528.00

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
2	Supplying, installation, testing and commissioning of CO_2 type Fire Extinguisher 4.5 kg capacity confirming to IS: 2878 made from ISI marked seamless cylinder confirming to IS: 7285, fitted with ISI marked controlled valve confirming to IS: 3224, high pressure 1mtr discharge hose & horn complete with initial gas charged with carrying handle & wall mounting bracket for all floors & service building etc. as per direction of Engineer-in-charge.Make-KANEX/FIRE SHILD /SAFEX or equivalentor equivalent	Nos	7,700.00	2.00	15,400.00
3	Supplying, installation, testing and commissioning of Mechanical Foam type 9 litre capacity Fire Extinguisher, ISI marked, IS: 10204, containing 540 ml AFFF liquid ISI marked, IS: 4989 Part II and a polyurethane coated CO2 Gas Cartridge, ISI marked, IS: 4947 complete with gunmetal union cap, nylon hose with plastic foam making branch and wall mounting bracket as per direction of Engineer-in-charge.	Each	3,659.00	2.00	7,318.00
4	Sand Buket as per IS Specicification	Each	500.00	3.00	1,500.00
5	Buket Stand to Store 10 nos of Buket also having Aluminium sheet above the to prevent the stand from rain/sunst.	Nos	2,820.00	1.00	2,820.00
	Total Fire Fighting Amount				33,566.00

TENDER FOR CONSTRUCTION OF MULTI-PURPOSE CENTRE (MPC) AT VARIOUS LOCATIONS FOR DISTRICT OF RAYAGADA, ODISHA (2nd Call)

NIT No: PCO/BBSR/980/200 Date- 26.09.2024

CONSTRUCTION OF MULTI-PURPOSE CENTRE (MPC) AT SINDIRING, KADASI, KULUSING, GUNUPUR IN THE DISTRICT OF RAYAGADA

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
	Architectural Consultancy Services	Lot	54476.72	1	54476.72
	Sub Total				54476.72
_					
1	CIVIL WORKS				
Α	EARTH WORK				
	Earth work in stoney earth and gravels mixed with				
	stone and boulder not exceeding 0.014 cum in volume				
	within 50m initial lead and 1.5m initial lift including				
1	rough dressing and breaking clods to maximum 5cm to				
	7cm and laying in layer not exceeding 0.3m in depth and				
	as per specification approved by the dept.				
i	Ordinary Soil	CuM	210.97	200.20	42,236.19
ii	Soft Rock	CuM	329.01	51.15	16,828.86
iii	Hard Rock	CuM	2,726.10	2.56	6,978.82
2	Supplying & Filling foundation trenches, plinth & ditches with clean course river sand well watered and rammed in layers not exceeding 23 c.m. in depth with all lead and lift including cost, conveyance, loading, unloading, stacking,royalties and all taxes of sand,cost & conveyance of water, cost of all Labour,labour cess,T&P required for the work etc. complete in all respect as directed by the Engineer- in -charge.	CuM	848.00	193.64	1,64,206.72
3	Back filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20 cm in depth, consolidating each deposited layer by ramming and watering, lead upto 50 m and lift upto 1.5m.	CuM	117.20	34.20	4,008.24
4	Making plinth protection 150 mm thick of cement concrete 1:3:6 (1 cement: 3 coarse sand: 6 graded stone aggregate 20 mm nominal size) over 75mm thick bed of dry brick ballast 40 mm nominal size, well rammed and consolidated and grouted with fine sand, including finishing the top smooth		-	-	-
	The state of the s	SqM	2,392.90	51.75	1,23,832.58
В	PLAIN & REINFORCEMENT CONCRETE		-	-	-

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
	Providing and laying P.C.C[1:4:8] using 4cm size metal				
	etc in foundation and floors using cement , 40 mm size				
	crusher broken H.G.Metal and screened and washed				
1	sharp river sand for mortar of approved quality and	CuM	5,055.20	34.35	1,73,646.12
	from approved quarry including hoisting ,lowering and				
	laying concrete to the required level, ramming				
	,watering and curing etc				
	Providing and laying in position ready mixed M25 grade				
	concrete having compressive strength at 28 days test				
	not lessthan 250kg/sq.cm for reinforced cement				
2	concrete work using cement content as per approved		-	-	-
	design mix etc including Rigid & smooth centering and				
	shuttering.				
	For R.C.C foundation, footing bases of column, mass	C.AA	4 402 4 E	69.04	4 41 200 40
α	concrete, pre-cast etc.	CuM	6,402.65	68.94	4,41,398.69
b	For R.C.C plinth band etc.	CuM	7,224.10	11.99	86,616.96
С	R.C.C Beam & Coloum		-	-	-
i	Ground Floor	CuM	14,226.60	26.87	3,82,268.74
d	Lintel		-	-	-
i	Ground Floor	CuM	13,505.60	3.38	45,648.93
f	Chaja		-	-	-
i	Ground Floor	Sqm	1,122.75	12.15	13,641.41
9	Roof slab, Landing, Balcony,		-	_	-
i	Ground Floor Cutting ,Straightening coiled or bend up HYSD/TMT	CuM	12,819.60	27.43	3,51,641.63
3	Reinforcement bars welding or jointing if necessary,				
3	bending ,tying the grills as required for R.C.C works		-	-	-
	etcwinding wire extra				
а	Foundation	Qntl	8,861.00	45.93	4,06,985.73
Ь	Ground floor	Qntl	8,861.00	72.87	6,45,701.07
С	BRICK WORK		-	-	-
	Fly Ash Brick Masonry in cement mortar of mix				
	(1:6) using Fly Ash bricks of size $25c.m \times 11 c.m \times 8$				
	c.m in Foundation & Plinth having crushing strength				
	not less than 75 kg per square c.m. with cement and				
	screened & washed sharp sand for mortar after				
	immersing the bricks for 6 (Six) hours in water				
1	before use in works with all necessary projections,		-	-	-
	splays cutting, circular moulding, corbelling, chamfering, watering and curing etc. including cost,				
	coveyance,stacking, loading, unloading, royalties , all				
	taxes ,cost of all labour,Labour cess ,scaffolding,				
	sundries and T&P required for the works etc. complete				
	in all respect as directed by the Engineer-in-charge.				
	Foundation and Plinth	CuM	5,093.00	19.46	99,109.78
	ו טעוועעווטוו מווע דווווווו	CuM	5,093.00	17.40	77,107./0

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
2	Fly Ash Brick Masonry in cement mortar of mix (1:6) using Fly Ash bricks of size 25c.m x 11 c.m x 8 c.m in superstructure having crushing strength not less than 75 kg per square c.m. with cement and screened & washed sharp sand for mortar after immersing the bricks for 6 (Six) hours in water before use in works with all necessary projections, splays cutting, circular moulding, corbelling, chamfering, watering and curing etc. including cost, coveyance, stacking, loading, unloading, royalties, all taxes, cost of all labour, Labour cess, scaffolding, sundries and T&P required for the works etc. complete in all respect as directed by the Engineer-in-charge.		-	-	-
α	Ground Floor	CuM	5,126.00	66.30	3,39,853.80
3	Fly Ash Brick masonry in cement mortar of mix [1:4] using Fly Ash bricks of size 25cm12cmx8cm in superstructure having crushing strength not less than 75 kg /m2 etc[Half Brick work]		-	-	-
α	Ground Floor	CuM	5,458.00	1.05	5,730.90
			-	-	-
D	PLASTERING & PAINTING		-	-	-
1	Providing 12mm. Thick cement plaster in cement mortar or mix(1:6) in all floors at all height with cement & screened and washed sharp river sand for mortar and finished smooth to the rough surface of the brick masonary walls after racking out the joints (alongwith providing grooves wherever necessary) including watering and curing, rounding of corners etc. complete with cost, conveyance, loading, unloading, royalities and taxes of all materials, cost of all labour, T&P, sundries and scaffolding required for the work etc. as directed by the Engineer-in- charge.		_	-	-
α	Ground floor	SqM	152.30	347.49	52,922.73
2	Providing 16mm. Thick cement plaster in cement mortar or mix(1:6) in all floors at all height with cement & screened and washed sharp river sand for mortar and finished smooth to the rough surface of the brick masonary walls after racking out the joints (alongwith providing grooves wherever necessary)including watering and curing, rounding of corners etc. complete with cost, conveyance, loading, unloading, royalities and taxes of all materials, cost of all labour, T&P, sundries and scaffolding required for the work etc. as directed by the Engineer-in- charge.		-	-	-
a	Ground floor	SqM	217.90	368.30	80,252.57

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
3	Finishing wall surface of wall with cement based wall putty [water based] of approved make and finished smooth and even surface to receive painting including cost etc		-	-	-
а	Ground Floor	SqM	81.61	924.15	75,419.88
4	Providing and applying 2 coats with 100% acrylic emulsion paint on New surface including one coat of primer (exterior quality) of approved make & shade by reputed manufacturer to make an even finished surface over a coat of primer with water bound cement primer in all heights with all scaffolding and staging charges including cost, conveyance, taxes of all materials, cost of all labours, T&P, sundries etc. as required for the work complete.		-		-
α	Ground floor	SqM	150.10	368.30	55,281.83
5	Supplying and painting of internal walls and ceiling with two or more coats of ACRYLIC emulsion paint on New surface which includes a coat of primer all complete. The shade and brand to be of approved brand & shade over the surfaces including preparation of surface, with cost of all materials, labour, conveyance taxes of all materials, scaffolding etc., as per the direction of the Engineer-in-charge.		-	-	-
а	Ground floor	SqM	149.30	555.86	82,989.90
6	Painting with synthetic enamel paint over a coat of primer of approved colour, shade and brand on New wood work /steel work in two or more coats as required to give an even shade including an under coat of suitable primer of approved brand and manufacturer including cost of all materials with taxes and transportation, loading, unloading, scaffolding, all labour, Labour cess, sundries, T&P, etc. complete as per the direction of the Engineer-in-charge including filling gaps with putties, scrapping, sand papering and cleaning the surface to make free from rusts, dusts and oily substances before applying primer etc.		-	-	-
а	Ground floor	sqm	216.80	25.20	5,463.36
E	FLOORING		-	-	-
1	A. S flooring under layer of 25mm thick C.C. (1:2:4) with 12mm ize granite chips and top layer of 6mm thick plaster cement red oxide mix using 3.5kg or red oxide per 50 kg of cement 1:3 finished with a floating coat of cement and Red oxide mix of same proportion. Ground floor		-	- 142.04	- 40 405 52
α	QLORUG LIGOL	SqM	428.00	162.84	69,695.52

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
2	12mm thick cement plaster in CM(1:4) with cement punning for skirting & Dados including all cost. complete with cost, conveyance, royality of all materials and labour with T&P required for the work with royalities, taxes etc.complete in all floors as per direction of Fnaineer-in-charge.	SqM	174.10	20.57	3,581.24
F	DOOR & WINDOW		-	-	-
1	Providing and fixing unplasticised poly vinyl chloride (UPVC) door in cluding all fittings and cost, conveyance of all materials, labours and T&P required for the work etc, all complete as per direction of engineer in charge.	Sqm	8,963.00	3.15	28,233.45
2	Providing and fixing 30 mm thick factory made single extruded WPC (Wood polymer composite) solid plain flush door shutter of required size fixing with stainless steel butt hinges of required size with necessary full body threaded star headed counter sunk S.S screws, all complete as per direction of engineer in	Sqm	4,424.00	15.75	69,678.00
3	Supplying, fitting, fixing up window (sliding type) made up aluminum Section 9778 as windows frame, section No. 4095, 4096 and 9777, 3994 as shutter frame with rubber beading including locking arrangement including all fitting including cost of materials all taxes labour, T&P etc. complete as per direction of Engineer-incharge. including cost of frosted glass & SS mosquito net.	Sqm	7,648.40	24.30	1,85,856.12
G	STEEL WORK		-	-	-
			-	-	-

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
1	Supplying, fitting and fixing of M.S grills, grill gates with top and bottom rails, (as per I.S. specification and as per approved drawings) in proper position in all floors and at all height including making holes to brick walls/ R.C.C structure/wood work etc. and making good to the damaged walls/ structures with cement concrete (1:2:4) with black hard crusher broken granite stone chips of 12mm to 20mm size (20mm size not to exceeds 25%) including watering and curing including cost, conveyance, loading, unloading, stacking, royalties and taxes of all materials, cost of all Labour, Labour cess, Sundries, T&P required for the work etc.complete as per the direction of Engineer in charge (W.I. / M.S. windows grills, grill gates, collapsible gates with top and bottom rails, steel windows, steel doors, steel frames for doors and windows, staircase and parapet railings square bar along with required nos. of nails and screws and other required materials of approved quality and approved size shall be supplied by the contractor at his own cost.)	KG	89.50	864.00	77,328.00
2	Supplying, fitting and fixing of Stainless steel of 304 grade in hand railing using 50mm dia of 2mm thick circular pipe with balustrade of size 32mmx32mmx2mm @ 0.90mtr.C/C and stainless square pipe bracing of size 32mmx32mmx2mm in 3 rows in stair case as per approved design and specification ,buffing, polishing etc with cost,conveyance,taxes of all materials, labour, T & P etc. requird for the complete in all respect.	Rmt	3,524.00	22.50	79,290.00
			-	-	-
1	Grading plaster 2.5 cm thick grading Plaster (1:4) on roof slab with 6mm size HG chips including all cost, conveyance, royalty & taxes etc.comp.to work site for new work as per the specification approved by the department & direction of E.I.C	sqm	387.30	215.00	- 83,269.50
	TOTAL CIVIL WORK				42,99,597.27
					.=,55,65
2	PLUMBING AND SANITARY WORK	_			
	INTERNAL PH WORKS				

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
1	Supplying all materials, labour and T&P for fitting and fixing white glazed vitreous china porcelain Indian Pan water closet of size 23" of approved make confirming to IS-2556 and top inlet for sinking into floor with 100mm PVC 'P' trap etc. including supply of necessary cement concrete for fitting the closet etc. complete in all respect in all floors including cost, conveyance and taxes of all materials etc. complete and as per PH specification and direction of Engineer-in-charge.				
		Nos	5,609.12	2.00	11,218.24
2	Supplying all materials, labour and T&P for fitting and fixing white glazed vitreous china porcelain flat back urinal pan of approved make confirming to IS-2556 and top inlet for sinking into floor with 100mm PVC 'P' trap etc. including supply of necessary cement concrete for fitting the closet etc. complete in all respect in all floors including cost, conveyance and taxes of all materials etc. complete and as per PH specification and direction of Engineer-in-charge including marble partition in between urinals.		-	-	-
	Supplying all materials, labour, T&P and fixing standard	Nos	12,288.40	2.00	24,576.80
3	sized shower (bath shower) of approved make etc complete including cutting the wall and making good the damages, including cost of all materials complete as per PH specification and direction of Engineering-in-charae.		-	-	-
		Nos	993.00	2.00	1,986.00
4	fixing white glazed vitreous china porcelain wash basin of size 450mm × 300mm of approved make confirming to IS-2556 and top inlet for sinking into floor with 100mm PVC 'P' trap etc. including supply of necessary cement concrete for fitting the closet etc. complete in all respect in all floors including cost, conveyance and taxes of all materials etc. complete and as per PH specification and direction of Engineer-in-charge		<u>-</u>	<u>-</u>	<u>-</u>
		Nos	9,150.40	4.00	36,601.60
5	Supplying all materials, labour, T&P and fixing standard sized CP Bib cock of approved make etc complete including cutting the wall and making good the damages, including cost of all materials complete as per PH specification and direction of Engineering-in-charge.		-	-	-
		Nos	1,873.00	4.00	7,492.00

Item No/5.No	Description of work	Unit	Rate	Quantity	Amount
6	Supplying all materials, labour, T&P and fixing standard sized 15mm dia Angular Stop cock of approved make etc complete including cutting the wall and making good the damages, including cost of all materials complete as per PH specification and direction of Engineering-incharge.		-	-	-
		Nos	1,158.40	4.00	4,633.60
7	Supplying all materials, labour, T&P and fixing standard 15mm sized pillar cock of approved make etc complete including cutting the wall and making good the damages, including cost of all materials complete as per PH specification and direction of Engineering-in-charge.		-	-	-
		Nos	1,626.00	4.00	6,504.00
8	Supplying all materials, labour, T&P and fixing standard sized Long body 15mm dia CP Bib cock of approved make etc complete including cutting the wall and making good the damages, including cost of all materials complete as per PH specification and direction of Engineering-in- charge.	Nos	2,107.00	4.00	8,428.00
	T. D. 17:		-	-	-
9	Supplying all materials, labour, T&P and fixing standard sized two way CP Bib cock of approved make etc complete including cutting the wall and making good the damages, including cost of all materials complete as per PH specification and direction of Engineering-incharge.	Nos	1,873.40	2.00	3,746.80
10	Supplying all materials, labour, T&P and fixing standard sized shower (Health Faucet) of approved make etc complete including cutting the wall and making good the damages, including cost of all materials complete as per PH specification and direction of Engineering-incharge.	Nos	993.00	2.00	1,986.00
11	Supplying all materials, labour, T&P and fixing standard sized Chromium Plated brass towel rail complete with Chromium Plated brass brackets fixed to wooden plugs with Chromium Plated brass screws as per specification and direction of the Engineer in charge	Nos	1,369.70	2.00	2,739.40
12	Fixing 600x450mm bevelled edge mirror of superior glass mounted on 6mm thick A.C sheet or plywood sheet and fixed to wooden plugs with Chromium Plated brass screws and washers complete as per specification and direction of the Engineer in charge	1403	-	-	-
		NOS	1,841.80	4.00	7,367.20

Supplying all materials, labours, T&P and fitting and fixing of the following size of CPVC pipe confirming to IS 15778 certification mark with socket and screw joints in walls and floors including supplying of required number of fittings of approved make including cutting threads to pipes and pipes to length, including wastage,etc for fitting to the walls with supply of holder ats, clamps, fixing wooden plugs in walls, including testing of pipe line for water tightness complete as per IS specification including cost, conveyance and taxes of all materials all complete as per PH specification and direction of Engineer-in- a 25 mm dia R.mtr 563.20 20.00 7,370.1 b 32 mm dia R.mtr 563.20 20.00 11,264.1 c 40mm dia R.mtr 563.20 20.00 11,264.1 froviding all materials, labour, Fitting & fixing of CPVC Ball Valve with CTS socket. Make: Prince) a 25mm Dia Nos 842.00 1.00 842.1 b 32mm Dia Nos 1,589.00 1.00 1,589.00 c 40mm dia Nos 1,589.00 1.00 2,391.1 Supplying all materials, labours, T&P for cutting holes through existing brickwork including making good the damages in cement mortar (1:4) for taking 6I pipes and fittings/PVC pipes and fittings etc all complete as per PH specification and direction of Engineer-in-charge. Nos 55.60 2.00 111. Supplying all materials, labours, T&P for cutting holes through existing PCC floors & roofs including making good the damages for taking 6I pipes and fittings/PVC pipes and fittings etc all complete as per PH specification and direction of Engineer-in-charge.	Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
Supplying all materials, labours, T&P and fitting and fixing of the following size of CPVC pipe confirming to IS 15778 certification mark with socket and screw joints in walls and floors including supplying of required number of fittings of approved make including cutting threads to pipes and pipes to length, including threads to pipes and pipes to length, including wastage,etc for fitting to the walls with supply of holder ats, clamps, fixing wooden plugs in walls, including testing of pipe line for water tightness complete as per IS specification including cost, conveyance and taxes of all materials all complete as per PH specification and direction of Engineer-in- a 25 mm dia R.mtr 563.20 20.00 77,3701 b 32 mm dia R.mtr 563.20 20.00 11,264.1 c 40mm dia R.mtr 563.20 20.00 11,642.1 froviding all materials, labour, Fitting & fixing of CPVC Ball Valve with CTS socket. Make: Prince) a 25 mm bia Nos 842.00 1.00 842.0 b 32 mm bia Nos 1,589.00 1.00 842.0 c 40mm dia Nos 1,589.00 1.00 1,589.0 c 40mm dia Nos 2,391.00 1.00 2,391.0 Supplying all materials, labours, T&P for cutting holes through existing brickwork including making good the damages in cement mortar (1:4) for taking 6I pipes and fittings/PVC pipes and fittings etc all complete as per PH specification and direction of Engineer-in-charge. Nos 55.60 2.00 111. Supplying all materials, labours, T&P for cutting holes through existing BCC floors & roofs including making good the damages for taking 6I pipes and fittings/PVC pipes and fittings etc all complete as per PH specification and direction of Engineer-in-charge.	13	fixing of Poly Propelene white double layer water storage Tank of approved make confirming to IS 12701-1996 including cutting holes through the tank and fixing mild steel tubes and fittings and providing extra sockets and jam nuts, fixing ball valve etc including hoisting upto terrace level and placing the tank to the required position etc all complete as per PH specification and direction of Engineer-in-charge. (To provided with brick masonary guard walls which will be		-	-	-
fixing of the following size of CPVC pipe confirming to IS 15778 certification mark with socket and screw joints in walls and floors including supplying of required number of fittings of approved make including cutting threads to pipes and pipes to length, including wastage,etc for fitting to the walls with supply of holder ats, clamps, fixing wooden plugs in walls, including testing of pipe line for water tightness complete as per IS specification including cost, conveyance and taxes of all materials all complete as per PH specification and direction of Engineer-in- a 25 mm dia R.mtr 368.50 20.00 7,370. b 32 mm dia R.mtr 563.20 20.00 11,264.1 c 40mm dia R.mtr 732.10 20.00 14,642.1 froviding all materials, labour, Fitting & fixing of CPVC 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	α	2000 ltr	Nos	25,364.70	1.00	25,364.70
fixing of the following size of CPVC pipe confirming to IS 15778 certification mark with socket and screw joints in walls and floors including supplying of required number of fittings of approved make including cutting threads to pipes and pipes to length, including wastage,etc for fitting to the walls with supply of holder ats, clamps, fixing wooden plugs in walls, including testing of pipe line for water tightness complete as per IS specification including cost, conveyance and taxes of all materials all complete as per PH specification and direction of Engineer-in- a 25 mm dia R.mtr 368.50 20.00 7,370. b 32 mm dia R.mtr 563.20 20.00 11,264.1 c 40mm dia R.mtr 732.10 20.00 14,642.1 froviding all materials, labour, Fitting & fixing of CPVC 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0					-	-
a 25 mm dia R.mtr 368.50 20.00 7,370.1 b 32 mm dia R.mtr 563.20 20.00 11,264.1 c 40mm dia R.mtr 732.10 20.00 14,642.1 15 Providing all materials, labour, Fitting & fixing of CPVC Ball Valve with CTS socket. Make: Prince) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	14	fixing of the following size of CPVC pipe confirming to IS 15778 certification mark with socket and screw joints in walls and floors including supplying of required number of fittings of approved make including cutting threads to pipes and pipes to length, including wastage, etc for fitting to the walls with supply of holder ats, clamps, fixing wooden plugs in walls, including testing of pipe line for water tightness complete as per IS specification including cost, conveyance and taxes of all materials all complete as		-	-	-
b 32 mm dia R.mtr 563.20 20.00 11,264.1 c 40mm dia R.mtr 732.10 20.00 14,642.1 15 Providing all materials, labour, Fitting & fixing of CPVC Ball Valve with CTS socket. Make: Prince) a 25mm Dia Nos 842.00 1.00 842.1 b 32mm Dia Nos 1,589.00 1.00 1,589.00 c 40mm dia Nos 2,391.00 1.00 2,391.0 Supplying all materials, labours, T&P for cutting holes through existing brickwork including making good the damages in cement mortar (1:4) for taking GI pipes and fittings/PVC pipes and fittings etc all complete as per PH specification and direction of Engineer-in-charge. Nos 55.60 2.00 111. Supplying all materials, labours, T&P for cutting holes through existing RCC floors & roofs including making good the damages for taking GI pipes and fittings/PVC pipes and fittings etc all complete as per PH specification and direction of Engineer-in-charge.	α		R.mtr	368.50	20.00	7,370.00
c 40mm dia R.mtr 732.10 20.00 14,642.1 15 Providing all materials, labour, Fitting & fixing of CPVC Ball Valve with CTS socket. Make: Prince) a 25mm Dia Nos 842.00 1.00 842.0 b 32mm Dia Nos 1,589.00 1.00 1,589.0 c 40mm dia Nos 2,391.00 1.00 2,391.0 Supplying all materials, labours, T&P for cutting holes through existing brickwork including making good the damages in cement mortar (1:4) for taking GI pipes and fittings/PVC pipes and fittings etc all complete as per PH specification and direction of Engineer-in-charge. Nos 55.60 2.00 111. Supplying all materials, labours, T&P for cutting holes through existing RCC floors & roofs including making good the damages for taking GI pipes and fittings/PVC pipes and fittings etc all complete as per PH specification and direction of Engineer-in-charge.	ь	32 mm dia				11,264.00
Providing all materials, labour, Fitting & fixing of CPVC Ball Valve with CTS socket. Make: Prince) a 25mm Dia Nos 842.00 1.00 842.0 b 32mm Dia Nos 1,589.00 1.00 1,589.0 c 40mm dia Nos 2,391.00 1.00 2,391.0 Supplying all materials, labours, T&P for cutting holes through existing brickwork including making good the damages in cement mortar (1:4) for taking GI pipes and fittings/PVC pipes and fittings etc all complete as per PH specification and direction of Engineer-in-charge. Nos 55.60 2.00 111. Supplying all materials, labours, T&P for cutting holes through existing RCC floors & roofs including making good the damages for taking GI pipes and fittings/PVC pipes and fittings etc all complete as per PH specification and direction of Engineer-in-charge.	С	40mm dia	R.mtr			14,642.00
b 32mm Dia Nos 1,589.00 1.00 1,589.0 c 40mm dia Nos 2,391.00 1.00 2,391.0 Supplying all materials, labours, T&P for cutting holes through existing brickwork including making good the damages in cement mortar (1:4) for taking GI pipes and fittings/PVC pipes and fittings etc all complete as per PH specification and direction of Engineer-in-charge. Nos 55.60 2.00 111. Supplying all materials, labours, T&P for cutting holes through existing RCC floors & roofs including making good the damages for taking GI pipes and fittings/PVC	15					-
c 40mm dia Nos 2,391.00 1.00 2,391.0 Supplying all materials,labours,T&P for cutting holes through existing brickwork including making good the damages in cement mortar (1:4) for taking GI pipes and fittings/PVC pipes and fittings etc all complete as per PH specification and direction of Engineer-in-charge. Nos 55.60 2.00 111. Supplying all materials,labours,T&P for cutting holes through existing RCC floors & roofs including making good the damages for taking GI pipes and fittings/PVC	α	25mm Dia	Nos	842.00	1.00	842.00
Supplying all materials, labours, T&P for cutting holes through existing brickwork including making good the damages in cement mortar (1:4) for taking GI pipes and fittings/PVC pipes and fittings etc all complete as per PH specification and direction of Engineer-in-charge. Nos 55.60 2.00 111. Supplying all materials, labours, T&P for cutting holes through existing RCC floors & roofs including making good the damages for taking GI pipes and fittings/PVC pipes and fittings etc all complete as per PH specification and direction of Engineer-in-charge.	Ь	32mm Dia	Nos	1,589.00	1.00	1,589.00
through existing brickwork including making good the damages in cement mortar (1:4) for taking GI pipes and fittings/PVC pipes and fittings etc all complete as per PH specification and direction of Engineer-in-charge. Nos 55.60 2.00 111. Supplying all materials,labours, T&P for cutting holes through existing RCC floors & roofs including making good the damages for taking GI pipes and fittings/PVC pipes and fittings etc all complete as per PH specification and direction of Engineer-in-charge.	С	40mm dia	Nos	2,391.00	1.00	2,391.00
Supplying all materials,labours,T&P for cutting holes through existing RCC floors & roofs including making good the damages for taking GI pipes and fittings/PVC pipes and fittings etc all complete as per PH specification and direction of Engineer-in-charge.	16	through existing brickwork including making good the damages in cement mortar (1:4) for taking GI pipes and fittings/PVC pipes and fittings etc all complete as per		-	-	-
through existing RCC floors & roofs including making good the damages for taking GI pipes and fittings/PVC pipes and fittings etc all complete as per PH specification and direction of Engineer-in-charge.			Nos	55.60	2.00	111.20
Mag 1/7 40 2.00 334	17	through existing RCC floors & roofs including making good the damages for taking GI pipes and fittings/PVC pipes and fittings etc all complete as per PH		-	-	-
1 1 1003 1 10/401 /001 3340			Nos	167.40	2.00	334.80

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
18	Supplyng all materials, labour, T&P for construction of brick masonary Gulley trap chamber of size300mm x 300mm with CI gulley trap, by Fly ash brick masonry in CM (1:4), CP (1:6) with 150mm x 150mm CI grating including labour and materials for fitting and fixing 100mm dia square mouth CI gully trap with supply of all jointing materials and encasing the gully trap with a block of CC (1:4:8) with 25mm size hard stone metal all complete with providing and fixing of 250mm x 250mm precast RCC cover slab including cost, conveyance, taxes of all materials to site complete as per the PH specification and direction of Engineer-in-charge.		-		-
		Nos	3,586.00	2.00	7,172.00
19	Providing all materials labour, T&P for making grooves in bricks/stone masonary walls vertically or horizontally up to required depth and width in all floor for laying of pipes and fittings up to 50mm dia, testing the joints with required water pressure and making good the damages with cement concrete 1:2:4 with 12mm size h.g.c.b.chips and finished smooth with cement morter (1:4) to original shape including cost of all materials, curing, conveyance of all materials etc. all complete excluding GST as per specification & direction of Engineer-in-charge.		0.00	0.00	-
	5	Rmt	249.70	20.00	4,994.00
20	External PH Supplying all materials, labours, T&P and fitting and fixing of the following size of CPVC pipe confirming to IS 15778 certification mark with socket and screw joints in walls and floors including supplying of required number of fittings of approved make including cutting threads to pipes and pipes to length, including wastage, etc for fitting to the walls with supply of holder ats, clamps, fixing wooden plugs in walls, including testing of pipe line for water tightness complete as per IS specification including cost, conveyance and taxes of all materials all complete as per PH specification and direction of Engineer-in-		-	-	<u>-</u>
a	50mm dia	Rmt	1,153.60	10.00	11,536.00

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
21	Supplying all materials & labour, T&P and constructing brick masonary chamber for water sluice valve, single air valve & non return valve with Fly ash brick masonary in cement mortar (1:4) as per approved drawing and specification CC (1:4:8) with 4cm size hard granite metal on the bed, 12mm cement plaster (1:6) to inside and cement flush pointing (1:6) to outside surface with 100mm thick RCC M20 cover slab with 20mm hg chips using required quantity of tor steel, centring and shuttering to the slab and dismantling it after 31 days of casting, filling the outside cavity with excavated materials, watering, curing including cost, conveyance, taxes of all materials, labour charges for cutting, bending, binding and tying the grills in proper position etc all complete as per drawing, design and direction of Engineer-in-charge.		-	-	-
α	Chamber (0.75x0.75x0.7mtr)	Nos	9,729.00	1.00	9,729.00
			-		-
22	Supplying all materials, labour, T&P and fitting and fixing of double air valve of 50mm Dia confirming to the relevant IS specification and dimension including fixing it in position along the pipeline with supply of all required materials such as rubber insertion, nuts & bolts including cost of all materials, taxes, and duties, transportation charges from store to site etc all complete as per the direction of Engineer-in-charge.		-	-	-
		Nos	4,111.90	1.00	4,111.90
23	Supply, installation, testing and commissioning of automatic star delta control panel suitable for 2 HP pumpset including MS box fitted with main switch ,contactor, single phasing preventer, timer, selector switch, voltmetre, ammeter etc and connection with motor inside the sump with suitable cable etc complete as per the Direction of Engineer-in-charge. (Excluding power supply)(MR)		-	-	-
		Set	14,500.00	1.00	14,500.00
	Septic Tank		-	-	-
24	Earth work in excavation in Hard rock by mechanical means (Hydraullic excavator)/ manual means overareas (exceeding 30 cm in depth, 1.5 m in width as well as 10sqm on plan) inculding disposal of excavated earth up to 50 m and lift upto 1.5m with all lead and lift including shoring, shuttering & dewatering (if required) with cost of all Labour, Labour cess ,Hire & Running charges of the water pumps, T & P required for the work complete as directed by the Engineer- in- charge.		-	-	-

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
α	Earth work excavation beyond 1.50mtr depth	CuM	210.97	6.00	1,265.82
25	Supplying and filling the Foundation & Plinth with clean coarse river sand of approved quality from approved quarry, laying in layers not exceeding 150mm thick, watering and ramming including cost, conveyance, royalty and taxes of all materials, cost of all labour, T&P etc. as required for the work complete as per direction of the Engineer-in-charge.		-	-	-
		CuM	848.00	2.73	2,315.04
26	Providing & laying cement concrete of prop. (1:4:8) in foundation bed and floors using 40mm nominal size down graded, screened, washed hard black crusher broken granite metal of approved quality & from approved quarry including laying in the layers not exceeding 100 mm thick etc. Providing and laying in position ready mixed M25 grade	CuM	5,055.20	0.75	3,791.40
27	concrete having compressive strength at 28 days test not lessthan 250kg/sq.cm for reinforced cement concrete work using cement content as per approved design mix etc		-	-	-
α	Foundation	CuM	6,402.65	1.00	6,402.65
Ь	RCC Wall	CuM	7,224.10	2.03	14,664.92
С	Slab	CuM	12,819.60	1.00	12,819.60
28	Cutting,straightening coiled or bent up HYSD/TMT Reinfocement Bars welding or jointing if necessary bending binding tying the grills as etc	Qntl	8,861.00	3.60	31,899.60
29	bending, binding, tying the grills as etc. Providing 12mm. thick cement plaster with cement mortar of mix (1:4) in all floors cement and with screened and washed sharp sand for mortar with neat cement punning finished smooth to brick/RCC walls after racking out the joints including watering and curina complete with cost etc.	SqM	152.30	12.18	1,855.01
	Providing and laying of P.C.C. of 1:3:6 with 12 mm size	SqM	152.30	12.18	1,655.01
30	hard granite metal in foundation trenches, under floors in line level including curing and ramming etc. all complete as per the direction of the Engineer-in-charge		O		-
		Sqm	6,162.20	0.34	2,095.15
31	Finishing walls with water proofing cement paint of approved shade on new work Two coat to give an even shade		-	-	-
32	Back filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20 cm in depth, consolidating each deposited layer by ramming and watering, lead upto 50 m and lift upto 1.5m.	Sqm	37.90	12.18	461.62 -
		CuM	117.20	5.55	650.46
	Soak Pit		-	-	-

Item No/S.No	Description of work	Unit	Rate	Quantity	Amoun†
33	Supplying and filling the Foundation & Plinth with clean coarse river sand of approved quality from approved quarry, laying in layers not exceeding 150mm thick, watering and ramming including cost, conveyance, royalty and taxes of all materials, cost of all labour, T&P etc. as required for the work complete as per direction of the Engineer-in-charge.		-	-	-
	an ection of the Engineer-in-charge.	CuM	848.00	1.00	848.00
34	Providing & laying cement concrete of prop. (1:4:8) in foundation bed and floors using 40mm nominal size down graded, screened, washed hard black crusher broken granite metal of approved quality & from approved quarry including laying in the layers not	CuM	5,055.20	0.62	3,134.22
35	exceeding 100 mm thick etc Providing and laying in position ready mixed M25 grade concrete having compressive strength at 28 days test not lessthan 250kg/sq.cm for reinforced cement concrete work using cement content as per approved		-	-	<u>-</u>
α	<u>desian mix etc</u> Foundation	CuM	6,402.65	0.32	2,048.85
36	Providing 12mm. thick cement plaster with cement mortar of mix (1:4) in all floors cement and with screened and washed sharp sand for mortar with neat cement punning finished smooth to brick/RCC walls after racking out the joints including watering and curing complete with cost. etc.		-	1	-
		SqM	270.80	1.36	368.29
37	Providing and laying of P.C.C. of 1:3:6 with 12 mm size hard granite metal in foundation trenches, under floors in line level including curing and ramming etc. all complete as per the direction of the Engineer-in-		0	0	_
	<u>charge</u>	Sqm	8,314.20	0.62	5,154.80
38	Fly Ash Brick Masonry in cement mortar of mix (1:6) using Fly Ash bricks of size 25c.m x 12 c.m x 8 c.m in Foundation & Plinth having crushing strength not less than 75 kg per square c.m. with cement and screened & washed sharp sand for mortar after immersing the bricks for 6 (Six) hours in water before use in works with all necessary projections, splays cutting, circular moulding, corbelling, chamfering, watering and curing etc. including cost, coveyance, stacking, loading, unloading, royalties, all taxes, cost of all labour, Labour cess, scaffolding, sundries and T&P required for the works etc. complete in all respect as directed by the Engineer-in-charge.		-	-	-
		CuM	5,397.00	6.37	34,378.89

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
39	Supplying all materials, labour, T&P, fitting and fixing uPVC SWR pipes (Type-B)(Co-moulded Ring type) of approved make confirming to IS-13592/1992with ISI marked, both below & above ground level or fixing on wall surface in all floors including transportation & scaffolding etc. all complete as per specification excluding GST & direction of the Engineer-in-charge.		0	0	-
α	Pipe 110mm dia	R.Mtr	828.11	30.00	24,843.30
Ь	110mm×110mm 'P' Trap (Make:Astral)	nos	494.00	2.00	988.00
С	110mm dia single 'Y' withoutdoor	nos	479.00	2.00	958.00
d	110mm WC connector/Bend with lip ring	nos	360.00	2.00	720.00
е	110mm Socket plug	nos	180.00	2.00	360.00
f	Upvc Elbow	nos	786.00	2.00	1,572.00
40	Sinking of 200 mm ×150mm size production well through DTH or combination drilling riges in hard rock area with PVC or GI casing pipes. 120mtr depth (1nos)	L.S	2,00,000.00	1.00	2,00,000.00
41	Supplying, fitting and fixing of Antiskid Ceramic Floor Tiles in flooring using special plain / printed series Ceramic Floor Tile of premium grade (having minimum thickness 7 mm to 8 mm & size 300 mm × 300 mm OR 600 mm ×600 mm, confirming to I.S 13755 of approved quality and shade in floors, treads on steps and landings on 25 m.m thick bed of cement mortar of mix (1:1) laid in proper slope and gradient with screened & washed sharp etc		-	-	-
	Ground floor	SqM	1,153.90	17.88	20,631.73
42	Supplying, fitting and fixing of ceramic glazed wall Tiles in skirting dado, risers of step and wall using special plain / printed series Ceramic wall Tile of premium grade (having minimum thickness 6.5 mm to 6.7 mm & size 300 mm x 300 mm OR 600mm x300 mm,		-	-	-
	Ground floor	SqM	1,317.60	68.46	90,202.90
	TOTAL of internal PH WORK[I]				6,97,661.49
3	ELECTRICAL WORK				

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount .
1	Wiring for light point/ fan/ exhaust fan point/ call bell point with 1.5 sqmm FRLS PVC insulated copper conductor single core cable in surface / recessed 2 mm thick PVC conduit with modular switch and earthing the point with 1.5 sqmm FRLS PVC insulated copper conductor single core cable including providing modular box with cover of requisite number of modules including providing cover plates as required. Make Conduit:Norepack/Precision/AKG Wire-KEI/Havells/Finolex Switch/socket-Legrand (myrius)/Panasonic(vision)/schneider(zencelo)		-	-	-
a)	Single light point controlled by one 6A switch or first light point of group control.	Each	785.00	20.00	15,700.00
b)	Subsequent point of group control	Each	515.00	4.00	2,060.00
2	Supplying and fixing two module steeped type electronic fan regulator with proper modular plate switch box including connections etc. as required. Switch/socket-Legrand (myrius)/Panasonic(vision)/schneider(zencelo)	Nos.	653.00	2.00	1,306.00
3	Supplying and fixing 6 Amp plug with 6 Amp switch (Modular Type) on existing board.	Nos.	356.00	8.00	2,848.00
4	Supplying and fixing including testing and commissioning of 6A modular socket outlet with 6 Amp switch including providing GI modular box with faceplate etc as required.		-	-	-
a)	1 nos 6 Amp 3-pin socket with 6 Amp switch.	Nos.	512.00	8.00	4,096.00
b)	2 nos 6 Amp 3-pin socket with 2 nos 6 Amp switch.	Nos.	909.00	6.00	5,454.00
5	Supply, installation, testing & commissioning of 6 / 16 Amp Plug Boards consisting of a 16 Amp clip-in type modular switch with indicator and a 6/16 Amp clip-in type modular socket fixed on metallic concealed box including interconnections and making good the damages caused complete as required and as per direction of Engineer-in-charge. Supplying, installation, testing & commissioning of 25		652.00	8.00	5,216.00
6	amp modular socket outlet on surface or in recess, on 1 Nos two module GI box with plate for socket point and one nos two module GI Box with face plate for switch etc. complete as direction of Engineer-in-charge. As per Crabtree(cat no-ACTO202504) or equivalent of Learand/Schneider		1,330.15	4.00	5,320.60
7	Wiring for circuit/ submain wiring along with earth wire of following size of FRLS heavy gauge PVC insulated copper conductor single core cable in heavy duty PVC conduit laid in surface/ recess as required.		-	-	-
a)	2X2.5 + 1X2.5 sqmm FRLS Cu wire (for Light circuit wiring)	mtr	233.05	75.00	17,478.75

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
b)	double core 4 sq mm. copper wire for phase and neutral	mtr	386.00	20.00	7,720.00
c)	double core 6 sq mm. copper wire for phase and neutral	mtr	452.05	20.00	9,041.00
8	Supply, delivery and fixing of Ceiling fan hook box made out of 18 swg GI sheet and containing 10 mm dia round ms bar projecting atleast 150mm on either side & duly bent to accommodate ceiling fan down rod bolt & having earthing arrangement as per direction of Engineer-in-charge.	Nos.	150.00	10.00	1,500.00
9	36Watt LED Light fitting (3300 Lumen) for PHILIPS .(CAT No:RC365B LED33- 6500 PSU OD WH)/Equivalent of Halonix/Panasonic/crompton as required	Each	3,983.00	10.00	39,830.00
10	20Watt LED Surface/suspended Battern Linear Luminaire (2000 Lumen) PHILIPS (CAT No:WT150C LED20S-6500 PSE OD GR) / Equivalent of Halonix/Panasonic/crompton	Each	1,753.00	10.00	17,530.00
11	6Watt LED Light fitting (600 Lumen) PHILIPS (CAT No:DN191B LED6S-6500 PSU WH S1) / Equivalent ofHalonix/Panasonic/crompton	Each	1,231.00	4.00	4,924.00
12	Supplying, installation, testing and commissioning of ceiling fan (5 star rating) including wiring the down rod, earthing etc as required (Make : Bajaj/Usha/		-	-	-
(a)	Crompton/ Orient/ Khaitan/ Havells). 1200 mm sweep	Nos.	2,656.00	10.00	26,560.00
13	Supplying, installation, testing and commissioning of Exhaust fan / fresh air fan with louvre (Make - Bajaj/Usha/ Crompton/ Orient/ Khaitan/ Havells) as required.		-	-	-
a)	225 mm sweep fibre body fresh air fan	Nos.	1,753.00	2.00	3,506.00
14	Supplying, installation, testing and commissioning of Split Air Conditioner (Make -DAIKINI/VOLTAS/BLUE STAR/as required.	Nos.	55,000.00	4.00	2,20,000.00
15	Supplying and fixing following way, TP and neutral, sheet steel, MCB distribution board, IP-43,IK09 with metal door ,415 V, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCBOs/ISOLATORS) Make- Legrand(Ekinoxe3/siemens(Betaguard)/Schneider Acti9		-	-	-
a)	6 way, Double door	Nos.	4,631.00	2.00	9,262.00

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
16	Supplying and fixing following way, single pole and neutral, sheet steel, MCB distribution board, IP-43, IK-09, 240 V, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCBOS/ISOLATORS)		-		-
a)	12 way, Double door	Each	2,523.00	2.00	5,046.00
17	Supplying and fixing following rating RCBOs/ MCBs in the existing DB complete with connections, testing and commissioning etc. as required Make-Legrand/L&T/ABB		-		
c)	6 Amp to 32 Amp, 10 KA SP MCB (C-Curve)	Each	305.00	2.00	610.00
18	Supplying and fixing of following sizes of heavy gauge PVC conduit along with accessories in surface/recess including cutting the wall and making good the same in case of recessed conduit as required.		-	-	
a)	20 mm	mtr	52.00	100.00	5,200.00
19	Earthing with GI earth pipe 4.5 meter long,40mm dia incluiding accessories and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc with charcoal/coke and salt as required	Nos.	5,809.32	1.00	5,809.32
20	Providing and fixing 25 mm X 5mm GI strip on surface or in recess for connection etc as required.	Mtr	129.00	5.00	645.00
21	Providing and fixing 6 SWG GI wire on surface or in recess for loop earthing along with surface/recessed MS Conduit/submain wiring/cables etc as required.	Mtr	37.00	5.00	185.00
	Total Chadried Amount		-	-	4 17 047 77
	Total Electrical Amount		-	-	4,16,847.67
4	FIRE FIGHTING SYSTEM		_	-	
			-	-	
1	Supplying installation testing and commissioning of ABC type fire extinguishers of 6 kg capacity confirming to IS:14609 & ABC powder confirming IS:13849 presurized with Nitrozen Gas marked.including cost of all material & labour for all floors & service building etc. all complete. Make-KANEX/FIRE SHILD /SAFEX or equivalent	Nos	3,264.00	2.00	6,528.00

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
2	Supplying, installation, testing and commissioning of CO_2 type Fire Extinguisher 4.5 kg capacity confirming to IS: 2878 made from ISI marked seamless cylinder confirming to IS: 7285, fitted with ISI marked controlled valve confirming to IS: 3224, high pressure 1mtr discharge hose & horn complete with initial gas charged with carrying handle & wall mounting bracket for all floors & service building etc. as per direction of Engineer-in-charge.Make-KANEX/FIRE SHILD /SAFEX or equivalentor equivalent	Nos	7,700.00	2.00	15,400.00
3	Supplying, installation, testing and commissioning of Mechanical Foam type 9 litre capacity Fire Extinguisher, ISI marked, IS: 10204, containing 540 ml AFFF liquid ISI marked, IS: 4989 Part II and a polyurethane coated CO2 Gas Cartridge, ISI marked, IS: 4947 complete with gunmetal union cap, nylon hose with plastic foam making branch and wall mounting bracket as per direction of Engineer-in-charge.	Each	3,659.00	2.00	7,318.00
4	Sand Buket as per IS Specicification	Each	500.00	3.00	1,500.00
5	Buket Stand to Store 10 nos of Buket also having Aluminium sheet above the to prevent the stand from rain/sunst.	Nos	2,820.00	1.00	2,820.00
	Total Fire Fighting Amount				33,566.00

TENDER FOR CONSTRUCTION OF MULTI-PURPOSE CENTRE (MPC) AT VARIOUS LOCATIONS FOR DISTRICT OF RAYAGADA, ODISHA (2nd call)

NIT No: PCO/BBSR/980/200 Date- 26.09.2024

CONSTRUCTION OF MULTI-PURPOSE CENTRE (MPC) AT KHILAMUNDA, CHINASARI, GUNUPUR IN THE DISTRICT OF RAYAGADA

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
	Architectural Consultancy Services	Lot	54359.99	1	54359.99
	Sub Total				54359.99
1	CIVIL WORKS				
Α	EARTH WORK				
	Earth work in stoney earth and gravels mixed with				
	stone and boulder not exceeding 0.014 cum in volume				
	within 50m initial lead and 1.5m initial lift including				
1	rough dressing and breaking clods to maximum 5cm to				
	7cm and laying in layer not exceeding 0.3m in depth and				
	as per specification approved by the dept.				
i	Ordinary Soil	CuM	210.97	199.55	42,099.06
ii	Soft Rock	CuM	329.01	51.15	16,828.86
iii	Hard Rock	CuM	2,726.10	2.56	6,978.82
	Supplying & Filling foundation trenches , plinth &				
	ditches with clean course river sand well watered and				
	rammed in layers not exceeding 23 c.m. in depth with all				
	lead and lift including cost, conveyance, loading,	ا ا	70000	400 / 4	4 54 404 57
2	unloading, stacking, royalties and all taxes of sand, cost	CuM	782.30	193.64	1,51,484.57
	& conveyance of water, cost of all Labour,labour				
	cess,T&P required for the work etc. complete in all				
	respect as directed by the Engineer- in -charge.				
	Back filling available excavated earth (excluding rock)				
	in trenches, plinth, sides of foundations etc. in layers				
3	not exceeding 20 cm in depth, consolidating each	CuM	117.20	34.20	4,008.24
	deposited layer by ramming and watering, lead upto 50				
	m and lift upto 1.5m. Making plinth protection 150 mm thick of cement				
	concrete 1:3:6 (1 cement: 3 coarse sand: 6 graded				
4	stone aggregate 20 mm nominal size) over 75mm thick		-	-	-
	bed of dry brick ballast 40 mm nominal size, well				
	rammed and consolidated and grouted with fine sand,				
	including finishing the top smooth	ScAA	2 202 00	51.75	1 22 022 50
В	PLAIN & REINFORCEMENT CONCRETE	SqM	2,392.90	31./5	1,23,832.58
Б	LENTIN & KETINLOKCEWEIN I COINCKE IE		-	-	-

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
	Providing and laying P.C.C[1:4:8] using 4cm size metal				
	etc in foundation and floors using cement , 40 mm size				
	crusher broken H.G.Metal and screened and washed				
1	sharp river sand for mortar of approved quality and	CuM	5,033.90	34.35	1,72,914.47
	from approved quarry including hoisting ,lowering and				
	laying concrete to the required level, ramming				
	,watering and curing etc				
	Providing and laying in position ready mixed M25 grade				
	concrete having compressive strength at 28 days test				
2	not lessthan 250kg/sq.cm for reinforced cement				
2	concrete work using cement content as per approved		-	-	-
	design mix etc including Rigid & smooth centering and				
	shuttering.				
	For R.C.C foundation, footing bases of column, mass	CuM	6,397.55	68.94	4,41,047.10
α	concrete,pre-cast etc.	CuM	0,397.33	00.94	7,71,077.10
b	For R.C.C plinth band etc.	CuM	7,219.70	11.99	86,564.20
С	R.C.C Beam & Coloum		-	-	-
i	Ground Floor	CuM	14,226.00	26.87	3,82,252.62
d	Lintel		-	-	-
i	Ground Floor	CuM	13,507.20	3.38	45,654.34
f	Chaja		-	-	-
i	Ground Floor	Sqm	1,123.19	12.15	13,646.76
9	Roof slab, Landing, Balcony,		-	-	-
i	Ground Floor Cutting ,Straightening coiled or bend up HYSD/TMT	CuM	12,821.20	27.43	3,51,685.52
3	Reinforcement bars welding or jointing if necessary ,		_	_	_
	bending ,tying the grills as required for R.C.C works		_	_	_
	etcwinding wire extra				
α	Foundation	Qntl	8,861.00	45.93	4,06,985.73
b	Ground floor	Qntl	8,861.00	72.87	6,45,701.07
С	BRICK WORK		-	-	-
	Fly Ash Brick Masonry in cement mortar of mix				
	(1:6) using Fly Ash bricks of size $25c.m \times 11 c.m \times 8$				
	c.m in Foundation & Plinth having crushing strength				
	not less than 75 kg per square c.m. with cement and				
	screened & washed sharp sand for mortar after				
1	immersing the bricks for 6 (Six) hours in water				
	before use in works with all necessary projections,		-	-	-
	splays cutting, circular moulding, corbelling, chamfering, watering and curing etc. including cost,				
	coveyance,stacking, loading, unloading, royalties , all				
	taxes ,cost of all labour,Labour cess ,scaffolding,				
	sundries and T&P required for the works etc. complete				
	in all respect as directed by the Engineer-in-charge.				
	Foundation and Plinth	CuM	5,115.00	19.46	99,537.90

Fly Ash Brick Masonry in cement mortar of mix (1:6) using Fly Ash bricks of size 25Em.x 11 c.m. x 8 c.m. in superstructure having crushing strength not less than 75 kg per square c.m. with cement and screened 4 washed sharp sand for mortar after immersing the bricks for 6 (5kx) hours in water before use in works 2 with all necessary projections, sploys cutting, circular moulding, corbelling, chamfering, watering and curing etc. including cost, coveyance, stacking, loading, unloading, royalties, all taxes, cost of all labour_Labour cess scaffolding, sundries and T&P required for the works etc. complete in all respect as directed by the Engineer-in-charge. a Ground Floor Fly Ash Brick masonry in cement mortar of mix [1:4] using Fly Ash bricks of size 25cm12cmx8cm in superstructure having crushing strength not less than 75 kg /m2 etc[Half Brick work] a Ground Floor CuM, 5,458,00 1,05 5,730,90 D PLASTERING & PAINTING Providing 12mm. Thick cement plaster in cement mortar or mix(1:6) in all floors at all height with cement a screened and washed sharp river sond for mortar and finished smooth to the rough surface of the brick masonary walls after racking out the joint's (alongwith providing grooves wherever necessary) including watering and curing, rounding of corners etc. complete with cast, conveyance, loading, unloading, royalities and taxes of all materials, cost of all labour, T&P, sundries and scaffolding required for the work etc. as directed by the Engineer-in- charge. a Ground floor SqM. 153.50 347.49 53,339.72 Providing 16mm. Thick cement plaster in cement mortar or mix(1:6) in all floors at all height with cement & screened and washed sharp river sond for mortar and finished smooth to the rough surface of the brick masonary walls after racking out the joint's (alongwith providing grooves wherever necessary) including watering and curing rounding of corners etc. complete with cost, conveyance, loading, unloading, royalities and taxes of all materials, cost of all labour, T&P, sundries and scaffolding	Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
Fly Ash Brick masonry in cement mortar of mix [1:4] using Fly Ash bricks of size 25cm12cmx8cm in superstructure having crushing strength not less than 75 kg /m2 etc[Half Brick work] a Ground Floor	2	(1:6) using Fly Ash bricks of size 25c.m x 11 c.m x 8 c.m in superstructure having crushing strength not less than 75 kg per square c.m. with cement and screened & washed sharp sand for mortar after immersing the bricks for 6 (Six) hours in water before use in works with all necessary projections, splays cutting, circular moulding, corbelling, chamfering, watering and curing etc. including cost, coveyance, stacking, loading, unloading, royalties, all taxes, cost of all labour, Labour cess, scaffolding, sundries and T&P required for the works etc. complete in all respect as directed by the		-	-	-
using Fly Ash bricks of size 25cm12cmx8cm in superstructure having crushing strength not less than 75 kg /m2 etc[Half Brick work] a Ground Floor	а		CuM	5,148.00	66.30	3,41,312.40
a Ground Floor PLASTERING & PAINTING Providing 12mm. Thick cement plaster in cement mortar or mix(1:6) in all floors at all height with cement & screened and washed sharp river sand for mortar and finished smooth to the rough surface of the brick masonary walls after racking out the joints (alongwith 1 providing grooves wherever necessary) including watering and curing,rounding of corners etc. complete with cost,conveyance, loading, unloading, royalities and taxes of all materials,cost of all labour, T&P, sundries and scaffolding required for the work etc. as directed by the Engineer-in- charge. a Ground floor SqM 153.50 347.49 53,339.72 Providing 16mm. Thick cement plaster in cement mortar or mix(1:6) in all floors at all height with cement & screened and washed sharp river sand for mortar and finished smooth to the rough surface of the brick masonary walls after racking out the joints (alongwith 2 providing grooves wherever necessary)including watering and curing,rounding of corners etc. complete with cost,conveyance,loading, unloading,royalities and taxes of all materials,cost of all labour, T&P, sundries and scaffolding required for the work etc. as directed by the Engineer-in- charge.	3	using Fly Ash bricks of size 25cm12cm×8cm in superstructure having crushing strength not less than		-	-	-
Providing 12mm. Thick cement plaster in cement mortar or mix(1:6) in all floors at all height with cement & screened and washed sharp river sand for mortar and finished smooth to the rough surface of the brick masonary walls after racking out the joints (alongwith providing grooves wherever necessary) including watering and curing,rounding of corners etc. complete with cost,conveyance, loading, unloading, royalities and taxes of all materials,cost of all labour,T&P,sundries and scaffolding required for the work etc. as directed by the Engineer-in- charge. Ground floor Providing 16mm. Thick cement plaster in cement mortar or mix(1:6) in all floors at all height with cement & screened and washed sharp river sand for mortar and finished smooth to the rough surface of the brick masonary walls after racking out the joints (alongwith providing grooves wherever necessary)including watering and curing,rounding of corners etc. complete with cost,conveyance,loading, unloading,royalities and taxes of all materials,cost of all labour,T&P,sundries and scaffolding required for the work etc. as directed by the Engineer-in- charge.	а	_	CuM	5,458.00	1.05	5,730.90
Providing 12mm. Thick cement plaster in cement mortar or mix(1:6) in all floors at all height with cement & screened and washed sharp river sand for mortar and finished smooth to the rough surface of the brick masonary walls after racking out the joints (alongwith providing grooves wherever necessary) including watering and curing,rounding of corners etc. complete with cost,conveyance, loading, unloading, royalities and taxes of all materials,cost of all labour,T&P,sundries and scaffolding required for the work etc. as directed by the Engineer-in- charge. Ground floor Providing 16mm. Thick cement plaster in cement mortar or mix(1:6) in all floors at all height with cement & screened and washed sharp river sand for mortar and finished smooth to the rough surface of the brick masonary walls after racking out the joints (alongwith providing grooves wherever necessary)including watering and curing,rounding of corners etc. complete with cost,conveyance,loading, unloading,royalities and taxes of all materials,cost of all labour,T&P,sundries and scaffolding required for the work etc. as directed by the Engineer-in- charge.				-	-	-
mortar or mix(1:6) in all floors at all height with cement & screened and washed sharp river sand for mortar and finished smooth to the rough surface of the brick masonary walls after racking out the joints (alongwith providing grooves wherever necessary) including watering and curing,rounding of corners etc. complete with cost,conveyance, loading, unloading, royalities and taxes of all materials,cost of all labour,T&P,sundries and scaffolding required for the work etc. as directed by the Engineer-in- charge. a Ground floor SqM 153.50 347.49 53,339.72 Providing 16mm. Thick cement plaster in cement mortar or mix(1:6) in all floors at all height with cement & screened and washed sharp river sand for mortar and finished smooth to the rough surface of the brick masonary walls after racking out the joints (alongwith providing grooves wherever necessary)including watering and curing,rounding of corners etc. complete with cost,conveyance,loading, unloading,royalities and taxes of all materials,cost of all labour,T&P,sundries and scaffolding required for the work etc. as directed by the Engineer-in- charge.	D	PLASTERING & PAINTING		-	-	-
Providing 16mm. Thick cement plaster in cement mortar or mix(1:6) in all floors at all height with cement & screened and washed sharp river sand for mortar and finished smooth to the rough surface of the brick masonary walls after racking out the joints (alongwith 2 providing grooves wherever necessary)including watering and curing,rounding of corners etc. complete with cost,conveyance,loading, unloading,royalities and taxes of all materials,cost of all labour,T&P,sundries and scaffolding required for the work etc. as directed by the Engineer-in- charge.	1	mortar or mix(1:6) in all floors at all height with cement & screened and washed sharp river sand for mortar and finished smooth to the rough surface of the brick masonary walls after racking out the joints (alongwith providing grooves wherever necessary) including watering and curing, rounding of corners etc. complete with cost, conveyance, loading, unloading, royalities and taxes of all materials, cost of all labour, T&P, sundries and scaffolding required for the work etc. as directed		-	-	<u>-</u>
mortar or mix(1:6) in all floors at all height with cement & screened and washed sharp river sand for mortar and finished smooth to the rough surface of the brick masonary walls after racking out the joints (alongwith providing grooves wherever necessary)including watering and curing,rounding of corners etc. complete with cost,conveyance,loading, unloading,royalities and taxes of all materials,cost of all labour,T&P,sundries and scaffolding required for the work etc. as directed by the Engineer-in- charge.	a	Ground floor	SqM	153.50	347.49	53,339.72
	2	mortar or mix(1:6) in all floors at all height with cement & screened and washed sharp river sand for mortar and finished smooth to the rough surface of the brick masonary walls after racking out the joints (alongwith providing grooves wherever necessary)including watering and curing, rounding of corners etc. complete with cost, conveyance, loading, unloading, royalities and taxes of all materials, cost of all labour, T&P, sundries and scaffolding required for the work etc. as directed		-	_	-
u ioi vana 1001 - 1 20/4 217 30 200.30 60 / 66 17	<u>a</u>	Ground floor	SqM	219.30	368.30	80,768.19

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
3	Finishing wall surface of wall with cement based wall putty [water based] of approved make and finished smooth and even surface to receive painting including cost etc		-	-	-
а	Ground Floor	SqM	81.61	924.15	75,419.88
4	Providing and applying 2 coats with 100% acrylic emulsion paint on New surface including one coat of primer (exterior quality) of approved make & shade by reputed manufacturer to make an even finished surface over a coat of primer with water bound cement primer in all heights with all scaffolding and staging charges including cost, conveyance, taxes of all materials, cost of all labours, T&P, sundries etc. as required for the work complete.		-		-
α	Ground floor	SqM	150.10	368.30	55,281.83
5	Supplying and painting of internal walls and ceiling with two or more coats of ACRYLIC emulsion paint on New surface which includes a coat of primer all complete. The shade and brand to be of approved brand & shade over the surfaces including preparation of surface, with cost of all materials, labour, conveyance taxes of all materials, scaffolding etc., as per the direction of the Engineer-in-charge.		-	-	-
а	Ground floor	SqM	149.30	555.86	82,989.90
6	Painting with synthetic enamel paint over a coat of primer of approved colour, shade and brand on New wood work /steel work in two or more coats as required to give an even shade including an under coat of suitable primer of approved brand and manufacturer including cost of all materials with taxes and transportation, loading, unloading, scaffolding, all labour, Labour cess, sundries, T&P, etc. complete as per the direction of the Engineer-in-charge including filling gaps with putties, scrapping, sand papering and cleaning the surface to make free from rusts, dusts and oily substances before applying primer etc.		-	-	-
а	Ground floor	sqm	216.80	25.20	5,463.36
E	FLOORING		-	-	-
1	A. S flooring under layer of 25mm thick C.C. (1:2:4) with 12mm ize granite chips and top layer of 6mm thick plaster cement red oxide mix using 3.5kg or red oxide per 50 kg of cement 1:3 finished with a floating coat of cement and Red oxide mix of same proportion. Ground floor		-	- 142.04	- 40 405 52
α	QLORUG LIGOL	SqM	428.00	162.84	69,695.52

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
2	12mm thick cement plaster in CM(1:4) with cement punning for skirting & Dados including all cost. complete with cost, conveyance, royality of all materials and labour with T&P required for the work with royalities, taxes etc.complete in all floors as per direction of Engineer-in-charge.	SqM	175.50	20.57	3,610.04
F	DOOR & WINDOW		-	-	-
1	Providing and fixing unplasticised poly vinyl chloride (UPVC) door in cluding all fittings and cost, conveyance of all materials, labours and T&P required for the work etc, all complete as per direction of engineer in charge.	Sqm	8,963.00	3.15	28,233.45
2	Providing and fixing 30 mm thick factory made single extruded WPC (Wood polymer composite) solid plain flush door shutter of required size fixing with stainless steel butt hinges of required size with necessary full body threaded star headed counter sunk S.S screws, all complete as per direction of engineer in	Sqm	4,424.00	15.75	69,678.00
3	Supplying, fitting, fixing up window (sliding type) made up aluminum Section 9778 as windows frame, section No. 4095, 4096 and 9777, 3994 as shutter frame with rubber beading including locking arrangement including all fitting including cost of materials all taxes labour, T&P etc. complete as per direction of Engineer-incharge. including cost of frosted glass & SS mosquito net.	Sqm	7,648.40	24.30	1,85,856.12
G	STEEL WORK		-	-	-
			-	-	-

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
1	Supplying, fitting and fixing of M.S grills, grill gates with top and bottom rails, (as per I.S. specification and as per approved drawings) in proper position in all floors and at all height including making holes to brick walls/ R.C.C structure/wood work etc. and making good to the damaged walls/ structures with cement concrete (1:2:4) with black hard crusher broken granite stone chips of 12mm to 20mm size (20mm size not to exceeds 25%) including watering and curing including cost, conveyance, loading, unloading, stacking, royalties and taxes of all materials, cost of all Labour, Labour cess, Sundries, T&P required for the work etc.complete as per the direction of Engineer in charge (W.I. / M.S. windows grills, grill gates, collapsible gates with top and bottom rails, steel windows, steel doors, steel frames for doors and windows, staircase and parapet railings square bar along with required nos. of nails and screws and other required materials of approved quality and approved size shall be supplied by the contractor at his own cost.)	KG	89.50	864.00	77,328.00
2	Supplying, fitting and fixing of Stainless steel of 304 grade in hand railing using 50mm dia of 2mm thick circular pipe with balustrade of size 32mmx32mmx2mm @ 0.90mtr.C/C and stainless square pipe bracing of size 32mmx32mmx2mm in 3 rows in stair case as per approved design and specification ,buffing, polishing etc with cost,conveyance,taxes of all materials, labour, T & P etc. requird for the complete in all respect.	Rmt	3,524.00	22.50	79,290.00
			-	-	-
1	Grading plaster 2.5 cm thick grading Plaster (1:4) on roof slab with 6mm size HG chips including all cost, conveyance, royalty & taxes etc.comp.to work site for new work as per the specification approved by the department & direction of E.I.C	sqm	387.30	215.00	- 83,269.50
	TOTAL CIVIL WORK				42,88,488.65
					,00,100.00
2	PLUMBING AND SANITARY WORK				
	INTERNAL PH WORKS				

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
1	Supplying all materials, labour and T&P for fitting and fixing white glazed vitreous china porcelain Indian Pan water closet of size 23" of approved make confirming to IS-2556 and top inlet for sinking into floor with 100mm PVC 'P' trap etc. including supply of necessary cement concrete for fitting the closet etc. complete in all respect in all floors including cost, conveyance and taxes of all materials etc. complete and as per PH specification and direction of Engineer-in-charge.				
		Nos	5,597.74	2.00	11,195.48
2	Supplying all materials, labour and T&P for fitting and fixing white glazed vitreous china porcelain flat back urinal pan of approved make confirming to IS-2556 and top inlet for sinking into floor with 100mm PVC 'P' trap etc. including supply of necessary cement concrete for fitting the closet etc. complete in all respect in all floors including cost, conveyance and taxes of all materials etc. complete and as per PH specification and direction of Engineer-in-charge including marble partition in between urinals.		-	-	-
	Supplying all materials, labour, T&P and fixing standard	Nos	12,288.40	2.00	24,576.80
3	sized shower (bath shower) of approved make etc complete including cutting the wall and making good the damages, including cost of all materials complete as per PH specification and direction of Engineering-incharae.		-	-	-
		Nos	993.00	2.00	1,986.00
4	fixing white glazed vitreous china porcelain wash basin of size 450mm × 300mm of approved make confirming to IS-2556 and top inlet for sinking into floor with 100mm PVC 'P' trap etc. including supply of necessary cement concrete for fitting the closet etc. complete in all respect in all floors including cost, conveyance and taxes of all materials etc. complete and as per PH specification and direction of Engineer-in-charge		<u>-</u>	<u>-</u>	-
		Nos	9,150.40	4.00	36,601.60
5	Supplying all materials, labour, T&P and fixing standard sized CP Bib cock of approved make etc complete including cutting the wall and making good the damages, including cost of all materials complete as per PH specification and direction of Engineering-in-charge.		-	-	-
		Nos	1,873.00	4.00	7,492.00

Item No/5.No	Description of work	Unit	Rate	Quantity	Amount
6	Supplying all materials, labour, T&P and fixing standard sized 15mm dia Angular Stop cock of approved make etc complete including cutting the wall and making good the damages, including cost of all materials complete as per PH specification and direction of Engineering-incharge.		-	-	-
		Nos	1,158.40	4.00	4,633.60
7	Supplying all materials, labour, T&P and fixing standard 15mm sized pillar cock of approved make etc complete including cutting the wall and making good the damages, including cost of all materials complete as per PH specification and direction of Engineering-in-charge.		-	-	-
		Nos	1,626.00	4.00	6,504.00
8	Supplying all materials, labour, T&P and fixing standard sized Long body 15mm dia CP Bib cock of approved make etc complete including cutting the wall and making good the damages, including cost of all materials complete as per PH specification and direction of Engineering-in- charge.	Nos	2,107.00	4.00	8,428.00
	T. D. 17:		-	-	-
9	Supplying all materials, labour, T&P and fixing standard sized two way CP Bib cock of approved make etc complete including cutting the wall and making good the damages, including cost of all materials complete as per PH specification and direction of Engineering-incharge.	Nos	1,873.40	2.00	3,746.80
10	Supplying all materials, labour, T&P and fixing standard sized shower (Health Faucet) of approved make etc complete including cutting the wall and making good the damages, including cost of all materials complete as per PH specification and direction of Engineering-incharge.	Nos	993.00	2.00	1,986.00
11	Supplying all materials, labour, T&P and fixing standard sized Chromium Plated brass towel rail complete with Chromium Plated brass brackets fixed to wooden plugs with Chromium Plated brass screws as per specification and direction of the Engineer in charge	Nos	1,369.70	2.00	2,739.40
12	Fixing 600x450mm bevelled edge mirror of superior glass mounted on 6mm thick A.C sheet or plywood sheet and fixed to wooden plugs with Chromium Plated brass screws and washers complete as per specification and direction of the Engineer in charge	1403	-	-	-
		NOS	1,841.80	4.00	7,367.20

Supplying all materials, labours, T&P and fitting and fixing of the following size of CPVC pipe confirming to IS 15778 certification mark with socket and screw joints in walls and floors including supplying of required number of fittings of approved make including cutting threads to pipes and pipes to length, including wastage,etc for fitting to the walls with supply of holder ats, clamps, fixing wooden plugs in walls, including testing of pipe line for water tightness complete as per IS specification including cost, conveyance and taxes of all materials all complete as per PH specification and direction of Engineer-in- a 25 mm dia R.mtr 563.20 20.00 7,370.1 b 32 mm dia R.mtr 563.20 20.00 11,264.1 c 40mm dia R.mtr 563.20 20.00 11,264.1 froviding all materials, labour, Fitting & fixing of CPVC Ball Valve with CTS socket. Make: Prince) a 25mm Dia Nos 842.00 1.00 842.1 b 32mm Dia Nos 1,589.00 1.00 1,589.00 c 40mm dia Nos 1,589.00 1.00 2,391.1 Supplying all materials, labours, T&P for cutting holes through existing brickwork including making good the damages in cement mortar (1:4) for taking 6I pipes and fittings/PVC pipes and fittings etc all complete as per PH specification and direction of Engineer-in-charge. Nos 55.60 2.00 111. Supplying all materials, labours, T&P for cutting holes through existing PCC floors & roofs including making good the damages for taking 6I pipes and fittings/PVC pipes and fittings etc all complete as per PH specification and direction of Engineer-in-charge.	Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
Supplying all materials, labours, T&P and fitting and fixing of the following size of CPVC pipe confirming to IS 15778 certification mark with socket and screw joints in walls and floors including supplying of required number of fittings of approved make including cutting threads to pipes and pipes to length, including threads to pipes and pipes to length, including wastage,etc for fitting to the walls with supply of holder ats, clamps, fixing wooden plugs in walls, including testing of pipe line for water tightness complete as per IS specification including cost, conveyance and taxes of all materials all complete as per PH specification and direction of Engineer-in- a 25 mm dia R.mtr 563.20 20.00 77,3701 b 32 mm dia R.mtr 563.20 20.00 11,264.1 c 40mm dia R.mtr 563.20 20.00 11,642.1 froviding all materials, labour, Fitting & fixing of CPVC Ball Valve with CTS socket. Make: Prince) a 25 mm bia Nos 842.00 1.00 842.0 b 32 mm bia Nos 1,589.00 1.00 842.0 c 40mm dia Nos 1,589.00 1.00 1,589.0 c 40mm dia Nos 2,391.00 1.00 2,391.0 Supplying all materials, labours, T&P for cutting holes through existing brickwork including making good the damages in cement mortar (1:4) for taking 6I pipes and fittings/PVC pipes and fittings etc all complete as per PH specification and direction of Engineer-in-charge. Nos 55.60 2.00 111. Supplying all materials, labours, T&P for cutting holes through existing BCC floors & roofs including making good the damages for taking 6I pipes and fittings/PVC pipes and fittings etc all complete as per PH specification and direction of Engineer-in-charge.	13	fixing of Poly Propelene white double layer water storage Tank of approved make confirming to IS 12701-1996 including cutting holes through the tank and fixing mild steel tubes and fittings and providing extra sockets and jam nuts, fixing ball valve etc including hoisting upto terrace level and placing the tank to the required position etc all complete as per PH specification and direction of Engineer-in-charge. (To provided with brick masonary guard walls which will be		-	-	-
fixing of the following size of CPVC pipe confirming to IS 15778 certification mark with socket and screw joints in walls and floors including supplying of required number of fittings of approved make including cutting threads to pipes and pipes to length, including wastage,etc for fitting to the walls with supply of holder ats, clamps, fixing wooden plugs in walls, including testing of pipe line for water tightness complete as per IS specification including cost, conveyance and taxes of all materials all complete as per PH specification and direction of Engineer-in- a 25 mm dia R.mtr 368.50 20.00 7,370. b 32 mm dia R.mtr 563.20 20.00 11,264.1 c 40mm dia R.mtr 732.10 20.00 14,642.1 froviding all materials, labour, Fitting & fixing of CPVC 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	α	2000 ltr	Nos	25,364.70	1.00	25,364.70
fixing of the following size of CPVC pipe confirming to IS 15778 certification mark with socket and screw joints in walls and floors including supplying of required number of fittings of approved make including cutting threads to pipes and pipes to length, including wastage,etc for fitting to the walls with supply of holder ats, clamps, fixing wooden plugs in walls, including testing of pipe line for water tightness complete as per IS specification including cost, conveyance and taxes of all materials all complete as per PH specification and direction of Engineer-in- a 25 mm dia R.mtr 368.50 20.00 7,370. b 32 mm dia R.mtr 563.20 20.00 11,264.1 c 40mm dia R.mtr 732.10 20.00 14,642.1 froviding all materials, labour, Fitting & fixing of CPVC 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0					-	-
a 25 mm dia R.mtr 368.50 20.00 7,370.1 b 32 mm dia R.mtr 563.20 20.00 11,264.1 c 40mm dia R.mtr 732.10 20.00 14,642.1 15 Providing all materials, labour, Fitting & fixing of CPVC Ball Valve with CTS socket. Make: Prince) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	14	fixing of the following size of CPVC pipe confirming to IS 15778 certification mark with socket and screw joints in walls and floors including supplying of required number of fittings of approved make including cutting threads to pipes and pipes to length, including wastage, etc for fitting to the walls with supply of holder ats, clamps, fixing wooden plugs in walls, including testing of pipe line for water tightness complete as per IS specification including cost, conveyance and taxes of all materials all complete as		-	-	-
b 32 mm dia R.mtr 563.20 20.00 11,264.1 c 40mm dia R.mtr 732.10 20.00 14,642.1 15 Providing all materials, labour, Fitting & fixing of CPVC Ball Valve with CTS socket. Make: Prince) a 25mm Dia Nos 842.00 1.00 842.1 b 32mm Dia Nos 1,589.00 1.00 1,589.00 c 40mm dia Nos 2,391.00 1.00 2,391.0 Supplying all materials, labours, T&P for cutting holes through existing brickwork including making good the damages in cement mortar (1:4) for taking GI pipes and fittings/PVC pipes and fittings etc all complete as per PH specification and direction of Engineer-in-charge. Nos 55.60 2.00 111. Supplying all materials, labours, T&P for cutting holes through existing RCC floors & roofs including making good the damages for taking GI pipes and fittings/PVC pipes and fittings etc all complete as per PH specification and direction of Engineer-in-charge.	α		R.mtr	368.50	20.00	7,370.00
c 40mm dia R.mtr 732.10 20.00 14,642.1 15 Providing all materials, labour, Fitting & fixing of CPVC Ball Valve with CTS socket. Make: Prince) a 25mm Dia Nos 842.00 1.00 842.0 b 32mm Dia Nos 1,589.00 1.00 1,589.0 c 40mm dia Nos 2,391.00 1.00 2,391.0 Supplying all materials, labours, T&P for cutting holes through existing brickwork including making good the damages in cement mortar (1:4) for taking GI pipes and fittings/PVC pipes and fittings etc all complete as per PH specification and direction of Engineer-in-charge. Nos 55.60 2.00 111. Supplying all materials, labours, T&P for cutting holes through existing RCC floors & roofs including making good the damages for taking GI pipes and fittings/PVC pipes and fittings etc all complete as per PH specification and direction of Engineer-in-charge.	ь	32 mm dia				11,264.00
Providing all materials, labour, Fitting & fixing of CPVC Ball Valve with CTS socket. Make: Prince) a 25mm Dia Nos 842.00 1.00 842.0 b 32mm Dia Nos 1,589.00 1.00 1,589.0 c 40mm dia Nos 2,391.00 1.00 2,391.0 Supplying all materials, labours, T&P for cutting holes through existing brickwork including making good the damages in cement mortar (1:4) for taking GI pipes and fittings/PVC pipes and fittings etc all complete as per PH specification and direction of Engineer-in-charge. Nos 55.60 2.00 111. Supplying all materials, labours, T&P for cutting holes through existing RCC floors & roofs including making good the damages for taking GI pipes and fittings/PVC pipes and fittings etc all complete as per PH specification and direction of Engineer-in-charge.	С	40mm dia	R.mtr			14,642.00
b 32mm Dia Nos 1,589.00 1.00 1,589.0 c 40mm dia Nos 2,391.00 1.00 2,391.0 Supplying all materials, labours, T&P for cutting holes through existing brickwork including making good the damages in cement mortar (1:4) for taking GI pipes and fittings/PVC pipes and fittings etc all complete as per PH specification and direction of Engineer-in-charge. Nos 55.60 2.00 111. Supplying all materials, labours, T&P for cutting holes through existing RCC floors & roofs including making good the damages for taking GI pipes and fittings/PVC	15					-
c 40mm dia Nos 2,391.00 1.00 2,391.0 Supplying all materials,labours,T&P for cutting holes through existing brickwork including making good the damages in cement mortar (1:4) for taking GI pipes and fittings/PVC pipes and fittings etc all complete as per PH specification and direction of Engineer-in-charge. Nos 55.60 2.00 111. Supplying all materials,labours,T&P for cutting holes through existing RCC floors & roofs including making good the damages for taking GI pipes and fittings/PVC	α	25mm Dia	Nos	842.00	1.00	842.00
Supplying all materials, labours, T&P for cutting holes through existing brickwork including making good the damages in cement mortar (1:4) for taking GI pipes and fittings/PVC pipes and fittings etc all complete as per PH specification and direction of Engineer-in-charge. Nos 55.60 2.00 111. Supplying all materials, labours, T&P for cutting holes through existing RCC floors & roofs including making good the damages for taking GI pipes and fittings/PVC pipes and fittings etc all complete as per PH specification and direction of Engineer-in-charge.	Ь	32mm Dia	Nos	1,589.00	1.00	1,589.00
through existing brickwork including making good the damages in cement mortar (1:4) for taking GI pipes and fittings/PVC pipes and fittings etc all complete as per PH specification and direction of Engineer-in-charge. Nos 55.60 2.00 111. Supplying all materials,labours, T&P for cutting holes through existing RCC floors & roofs including making good the damages for taking GI pipes and fittings/PVC pipes and fittings etc all complete as per PH specification and direction of Engineer-in-charge.	С	40mm dia	Nos	2,391.00	1.00	2,391.00
Supplying all materials,labours,T&P for cutting holes through existing RCC floors & roofs including making good the damages for taking GI pipes and fittings/PVC pipes and fittings etc all complete as per PH specification and direction of Engineer-in-charge.	16	through existing brickwork including making good the damages in cement mortar (1:4) for taking GI pipes and fittings/PVC pipes and fittings etc all complete as per		-	-	-
through existing RCC floors & roofs including making good the damages for taking GI pipes and fittings/PVC pipes and fittings etc all complete as per PH specification and direction of Engineer-in-charge.			Nos	55.60	2.00	111.20
Mag 1/7 40 2.00 334	17	through existing RCC floors & roofs including making good the damages for taking GI pipes and fittings/PVC pipes and fittings etc all complete as per PH		-	-	-
1 1 1003 1 10/401 /001 3340			Nos	167.40	2.00	334.80

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
18	Supplyng all materials, labour, T&P for construction of brick masonary Gulley trap chamber of size300mm × 300mm with CI gulley trap, by Fly ash brick masonry in CM (1:4), CP (1:6) with 150mm × 150mm CI grating including labour and materials for fitting and fixing 100mm dia square mouth CI gully trap with supply of all jointing materials and encasing the gully trap with a block of CC (1:4:8) with 25mm size hard stone metal all complete with providing and fixing of 250mm × 250mm precast RCC cover slab including cost, conveyance, taxes of all materials to site complete as per the PH specification and direction of Engineer-in-charge.				-
		Nos	3,575.00	2.00	7,150.00
19	Providing all materials labour, T&P for making grooves in bricks/stone masonary walls vertically or horizontally up to required depth and width in all floor for laying of pipes and fittings up to 50mm dia, testing the joints with required water pressure and making good the damages with cement concrete 1:2:4 with 12mm size h.g.c.b.chips and finished smooth with cement morter (1:4) to original shape including cost of all materials, curing, conveyance of all materials etc. all complete excluding GST as per specification & direction of Engineer-in-charge.		0.00	0.00	-
	5 . 191	Rmt	248.10	20.00	4,962.00
	External PH Supplying all materials, labours, T&P and fitting and fixing of the following size of CPVC pipe confirming to IS 15778 certification mark with socket and screw joints in walls and floors including supplying of required number of fittings of approved make including cutting threads to pipes and pipes to length, including wastage, etc for fitting to the walls with supply of holder ats, clamps, fixing wooden plugs in walls, including testing of pipe line for water tightness complete as per IS specification including cost, conveyance and taxes of all materials all complete as per PH specification and direction of Engineer-in-		-	-	<u>-</u>
α	50mm dia	Rmt	1,153.60	10.00	11,536.00

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
21	Supplying all materials & labour, T&P and constructing brick masonary chamber for water sluice valve, single air valve & non return valve with Fly ash brick masonary in cement mortar (1:4) as per approved drawing and specification CC (1:4:8) with 4cm size hard granite metal on the bed, 12mm cement plaster (1:6) to inside and cement flush pointing (1:6) to outside surface with 100mm thick RCC M20 cover slab with 20mm hg chips using required quantity of tor steel, centring and shuttering to the slab and dismantling it after 31 days of casting, filling the outside cavity with excavated materials, watering, curing including cost, conveyance, taxes of all materials, labour charges for cutting, bending, binding and tying the grills in proper position etc all complete as per drawing, design and direction of Engineer-in-charge.		-	-	-
a	Chamber (0.75x0.75x0.7mtr)	Nos	9,696.00	1.00	9,696.00
			-		-
22	Supplying all materials, labour, T&P and fitting and fixing of double air valve of 50mm Dia confirming to the relevant IS specification and dimension including fixing it in position along the pipeline with supply of all required materials such as rubber insertion, nuts & bolts including cost of all materials, taxes, and duties, transportation charges from store to site etc all complete as per the direction of Engineer-in-charge.		-	-	-
		Nos	4,111.90	1.00	4,111.90
23	Supply, installation, testing and commissioning of automatic star delta control panel suitable for 2 HP pumpset including MS box fitted with main switch ,contactor, single phasing preventer, timer, selector switch, voltmetre, ammeter etc and connection with motor inside the sump with suitable cable etc complete as per the Direction of Engineer-in-charge. (Excluding nower supply)(MR)		-	-	-
		Set	14,500.00	1.00	14,500.00
	Septic Tank		-	-	-
24	Earth work in excavation in Hard rock by mechanical means (Hydraullic excavator)/ manual means overareas (exceeding 30 cm in depth, 1.5 m in width as well as 10sqm on plan) inculding disposal of excavated earth up to 50 m and lift upto 1.5m with all lead and lift including shoring, shuttering & dewatering (if required) with cost of all Labour, Labour cess ,Hire & Running charges of the water pumps, T & P required for the work complete as directed by the Engineer- in- charge.		-	-	-

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
α	Earth work excavation beyond 1.50mtr depth	CuM	210.97	6.00	1,265.82
25	Supplying and filling the Foundation & Plinth with clean coarse river sand of approved quality from approved quarry, laying in layers not exceeding 150mm thick, watering and ramming including cost, conveyance, royalty and taxes of all materials, cost of all labour, T&P etc. as required for the work complete as per direction of the Engineer-in-charge.		-	-	-
		CuM	782.30	2.73	2,135.68
26	Providing & laying cement concrete of prop. (1:4:8) in foundation bed and floors using 40mm nominal size down graded, screened, washed hard black crusher broken granite metal of approved quality & from approved quarry including laying in the layers not exceeding 100 mm thick etc. Providing and laying in position ready mixed M25 grade	CuM	5,033.90	0.75	3,775.43
27	Providing and laying in position ready mixed M25 grade concrete having compressive strength at 28 days test not lessthan 250kg/sq.cm for reinforced cement concrete work using cement content as per approved design mix etc		-	-	-
α	Foundation	CuM	6,397.55	1.00	6,397.55
Ь	RCC Wall	CuM	7,219.70	2.03	14,655.99
C	Slab	CuM	12,821.20	1.00	12,821.20
28	Cutting,straightening coiled or bent up HYSD/TMT Reinfocement Bars welding or jointing if necessary bending binding tying the grills as etc	Qntl	8,861.00	3.60	31,899.60
29	bending, binding, tying the grills as etc Providing 12mm. thick cement plaster with cement mortar of mix (1:4) in all floors cement and with screened and washed sharp sand for mortar with neat cement punning finished smooth to brick/RCC walls after racking out the joints including watering and curing complete with cost etc		-	-	-
		SqM	153.50	12.18	1,869.63
30	Providing and laying of P.C.C. of 1:3:6 with 12 mm size hard granite metal in foundation trenches, under floors in line level including curing and ramming etc. all complete as per the direction of the Engineer-incharge		0	0	-
		Sqm	6,144.40	0.34	2,089.10
31	Finishing walls with water proofing cement paint of approved shade on new work Two coat to give an even shade		-	-	-
32	Back filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20 cm in depth, consolidating each deposited layer by ramming and watering, lead upto 50 m and lift upto 1.5m.	Sqm	37.90	12.18	461.62 -
		CuM	117.20	5.55	650.46
	Soak Pit		-	-	-

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
33	Supplying and filling the Foundation & Plinth with clean coarse river sand of approved quality from approved quarry, laying in layers not exceeding 150mm thick, watering and ramming including cost, conveyance, royalty and taxes of all materials, cost of all labour, T&P etc. as required for the work complete as per direction of the Engineer-in-charge.		-	-	-
		CuM	782.30	1.00	782.30
34	Providing & laying cement concrete of prop. (1:4:8) in foundation bed and floors using 40mm nominal size down graded, screened, washed hard black crusher broken granite metal of approved quality & from approved quarry including laying in the layers not	CuM	5,033.90	0.62	3,121.02
35	exceeding 100 mm thick etc Providing and laying in position ready mixed M25 grade concrete having compressive strength at 28 days test not lessthan 250kg/sq.cm for reinforced cement concrete work using cement content as per approved design mix etc		-	-	-
α	Foundation	CuM	6,397.55	0.32	2,047.22
36	Providing 12mm. thick cement plaster with cement mortar of mix (1:4) in all floors cement and with screened and washed sharp sand for mortar with neat cement punning finished smooth to brick/RCC walls after racking out the joints including watering and curing complete with cost. etc		-	-	-
	Cui ma combiere with cost, etc	SqM	269.40	1.36	366.38
37	Providing and laying of P.C.C. of 1:3:6 with 12 mm size hard granite metal in foundation trenches, under floors in line level including curing and ramming etc. all complete as per the direction of the Engineer-incharge	·	0	0	-
	Charge.	Sqm	8,219.50	0.62	5,096.09
38	Fly Ash Brick Masonry in cement mortar of mix (1:6) using Fly Ash bricks of size 25c.m x 12 c.m x 8 c.m in Foundation & Plinth having crushing strength not less than 75 kg per square c.m. with cement and screened & washed sharp sand for mortar after immersing the bricks for 6 (Six) hours in water before use in works with all necessary projections, splays cutting, circular moulding, corbelling, chamfering, watering and curing etc. including cost, coveyance, stacking, loading, unloading, royalties, all taxes, cost of all labour, Labour cess, scaffolding, sundries and T&P required for the works etc. complete in all respect as directed by the Engineer-in-charge.		-	-	-
		CuM	5,379.00	6.37	34,264.23

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
39	Supplying all materials, labour, T&P, fitting and fixing uPVC SWR pipes (Type-B)(Co-moulded Ring type) of approved make confirming to IS-13592/1992with ISI marked, both below & above ground level or fixing on wall surface in all floors including transportation & scaffolding etc. all complete as per specification excluding GST & direction of the Engineer-in-charge.		0	0	-
α	Pipe 110mm dia	R.Mtr	828.11	30.00	24,843.30
Ь	110mm×110mm 'P' Trap (Make:Astral)	nos	494.00	2.00	988.00
C	110mm dia single 'Y' withoutdoor	nos	479.00	2.00	958.00
ъ	110mm WC connector/Bend with lip ring	nos	360.00	2.00	720.00
e	110mm Socket plug	nos	180.00	2.00	360.00
f	Upvc Elbow	nos	786.00	2.00	1,572.00
40	Sinking of 200 mm x150mm size production well through DTH or combination drilling riges in hard rock area with PVC or GI casing pipes. 120mtr depth (1nos)	L.S	2,00,000.00	1.00	2,00,000.00
41	Supplying, fitting and fixing of Antiskid Ceramic Floor Tiles in flooring using special plain / printed series Ceramic Floor Tile of premium grade (having minimum thickness 7 mm to 8 mm & size 300 mm × 300 mm OR 600 mm ×600 mm, confirming to I.S 13755 of approved quality and shade in floors, treads on steps and landings on 25 m.m thick bed of cement mortar of mix (1:1) laid in proper slope and gradient with screened & washed sharp etc		-	-	-
	Ground floor	SqM	1,153.90	17.88	20,631.73
42	Supplying, fitting and fixing of ceramic glazed wall Tiles in skirting dado, risers of step and wall using special plain / printed series Ceramic wall Tile of premium grade (having minimum thickness 6.5 mm to 6.7 mm & size 300 mm × 300 mm OR 600mm ×300 mm,		-	-	-
	Ground floor	SqM	1,317.60	68.46	90,202.90
	TOTAL of internal PH WORK[I]				6,97,096.73
3	ELECTRICAL WORK				

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount .
1	Wiring for light point/ fan/ exhaust fan point/ call bell point with 1.5 sqmm FRLS PVC insulated copper conductor single core cable in surface / recessed 2 mm thick PVC conduit with modular switch and earthing the point with 1.5 sqmm FRLS PVC insulated copper conductor single core cable including providing modular box with cover of requisite number of modules including providing cover plates as required. Make Conduit:Norepack/Precision/AKG Wire-KEI/Havells/Finolex Switch/socket-Legrand (myrius)/Panasonic(vision)/schneider(zencelo)		-	-	-
a)	Single light point controlled by one 6A switch or first light point of group control.	Each	785.00	20.00	15,700.00
b)	Subsequent point of group control	Each	515.00	4.00	2,060.00
2	Supplying and fixing two module steeped type electronic fan regulator with proper modular plate switch box including connections etc. as required. Switch/socket-Legrand (myrius)/Panasonic(vision)/schneider(zencelo)	Nos.	653.00	2.00	1,306.00
3	Supplying and fixing 6 Amp plug with 6 Amp switch (Modular Type) on existing board.	Nos.	356.00	8.00	2,848.00
4	Supplying and fixing including testing and commissioning of 6A modular socket outlet with 6 Amp switch including providing GI modular box with faceplate etc as required.		-	-	-
a)	1 nos 6 Amp 3-pin socket with 6 Amp switch.	Nos.	512.00	8.00	4,096.00
b)	2 nos 6 Amp 3-pin socket with 2 nos 6 Amp switch.	Nos.	909.00	6.00	5,454.00
5	Supply, installation, testing & commissioning of 6 / 16 Amp Plug Boards consisting of a 16 Amp clip-in type modular switch with indicator and a 6/16 Amp clip-in type modular socket fixed on metallic concealed box including interconnections and making good the damages caused complete as required and as per direction of Engineer-in-charge. Supplying, installation, testing & commissioning of 25		652.00	8.00	5,216.00
6	amp modular socket outlet on surface or in recess, on 1 Nos two module GI box with plate for socket point and one nos two module GI Box with face plate for switch etc. complete as direction of Engineer-in-charge. As per Crabtree(cat no-ACTO202504) or equivalent of Learand/Schneider		1,330.15	4.00	5,320.60
7	Wiring for circuit/ submain wiring along with earth wire of following size of FRLS heavy gauge PVC insulated copper conductor single core cable in heavy duty PVC conduit laid in surface/ recess as required.		-	-	-
a)	2X2.5 + 1X2.5 sqmm FRLS Cu wire (for Light circuit wiring)	mtr	233.05	75.00	17,478.75

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
b)	double core 4 sq mm. copper wire for phase and neutral	mtr	386.00	20.00	7,720.00
c)	double core 6 sq mm. copper wire for phase and neutral	mtr	452.05	20.00	9,041.00
8	Supply, delivery and fixing of Ceiling fan hook box made out of 18 swg GI sheet and containing 10 mm dia round ms bar projecting atleast 150mm on either side & duly bent to accommodate ceiling fan down rod bolt & having earthing arrangement as per direction of Engineer-in-charge.	Nos.	150.00	10.00	1,500.00
9	36Watt LED Light fitting (3300 Lumen) for PHILIPS .(CAT No:RC365B LED33- 6500 PSU OD WH)/Equivalent of Halonix/Panasonic/crompton as required	Each	3,983.00	10.00	39,830.00
10	20Watt LED Surface/suspended Battern Linear Luminaire (2000 Lumen) PHILIPS (CAT No:WT150C LED20S-6500 PSE OD GR) / Equivalent of Halonix/Panasonic/crompton	Each	1,753.00	10.00	17,530.00
11	6Watt LED Light fitting (600 Lumen) PHILIPS (CAT No:DN191B LED6S-6500 PSU WH S1) / Equivalent ofHalonix/Panasonic/crompton	Each	1,231.00	4.00	4,924.00
12	Supplying, installation, testing and commissioning of ceiling fan (5 star rating) including wiring the down rod, earthing etc as required (Make : Bajaj/Usha/		-	-	-
(a)	Crompton/ Orient/ Khaitan/ Havells). 1200 mm sweep	Nos.	2,656.00	10.00	26,560.00
13	Supplying, installation, testing and commissioning of Exhaust fan / fresh air fan with louvre (Make - Bajaj/Usha/ Crompton/ Orient/ Khaitan/ Havells) as required.		-	-	-
a)	225 mm sweep fibre body fresh air fan	Nos.	1,753.00	2.00	3,506.00
14	Supplying, installation, testing and commissioning of Split Air Conditioner (Make -DAIKINI/VOLTAS/BLUE STAR/as required.	Nos.	55,000.00	4.00	2,20,000.00
15	Supplying and fixing following way, TP and neutral, sheet steel, MCB distribution board, IP-43,IK09 with metal door ,415 V, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCBOs/ISOLATORS) Make- Legrand(Ekinoxe3/siemens(Betaguard)/Schneider Acti9		-	-	-
a)	6 way, Double door	Nos.	4,631.00	2.00	9,262.00

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
16	Supplying and fixing following way, single pole and neutral, sheet steel, MCB distribution board, IP-43, IK-09, 240 V, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCBOS/ISOLATORS)		-		-
a)	12 way, Double door	Each	2,523.00	2.00	5,046.00
17	Supplying and fixing following rating RCBOs/ MCBs in the existing DB complete with connections, testing and commissioning etc. as required Make-Legrand/L&T/ABB		-		
c)	6 Amp to 32 Amp, 10 KA SP MCB (C-Curve)	Each	305.00	2.00	610.00
18	Supplying and fixing of following sizes of heavy gauge PVC conduit along with accessories in surface/recess including cutting the wall and making good the same in case of recessed conduit as required.		-	-	
a)	20 mm	mtr	52.00	100.00	5,200.00
19	Earthing with GI earth pipe 4.5 meter long,40mm dia incluiding accessories and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc with charcoal/coke and salt as required	Nos.	5,809.32	1.00	5,809.32
20	Providing and fixing 25 mm X 5mm GI strip on surface or in recess for connection etc as required.	Mtr	129.00	5.00	645.00
21	Providing and fixing 6 SWG GI wire on surface or in recess for loop earthing along with surface/recessed MS Conduit/submain wiring/cables etc as required.	Mtr	37.00	5.00	185.00
	Total Chadried Amount		-	-	4 17 047 77
	Total Electrical Amount		-	-	4,16,847.67
4	FIRE FIGHTING SYSTEM		_	-	
			-	-	
1	Supplying installation testing and commissioning of ABC type fire extinguishers of 6 kg capacity confirming to IS:14609 & ABC powder confirming IS:13849 presurized with Nitrozen Gas marked.including cost of all material & labour for all floors & service building etc. all complete. Make-KANEX/FIRE SHILD /SAFEX or equivalent	Nos	3,264.00	2.00	6,528.00

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
2	Supplying, installation, testing and commissioning of CO_2 type Fire Extinguisher 4.5 kg capacity confirming to IS: 2878 made from ISI marked seamless cylinder confirming to IS: 7285, fitted with ISI marked controlled valve confirming to IS: 3224, high pressure 1mtr discharge hose & horn complete with initial gas charged with carrying handle & wall mounting bracket for all floors & service building etc. as per direction of Engineer-in-charge.Make-KANEX/FIRE SHILD /SAFEX or equivalentor equivalent	Nos	7,700.00	2.00	15,400.00
3	Supplying, installation, testing and commissioning of Mechanical Foam type 9 litre capacity Fire Extinguisher, ISI marked, IS: 10204, containing 540 ml AFFF liquid ISI marked, IS: 4989 Part II and a polyurethane coated CO2 Gas Cartridge, ISI marked, IS: 4947 complete with gunmetal union cap, nylon hose with plastic foam making branch and wall mounting bracket as per direction of Engineer-in-charge.	Each	3,659.00	2.00	7,318.00
4	Sand Buket as per IS Specicification	Each	500.00	3.00	1,500.00
5	Buket Stand to Store 10 nos of Buket also having Aluminium sheet above the to prevent the stand from rain/sunst.	Nos	2,820.00	1.00	2,820.00
	Total Fire Fighting Amount				33,566.00

TENDER FOR CONSTRUCTION OF MULTI-PURPOSE CENTRE (MPC) AT VARIOUS LOCATIONS FOR DISTRICT OF RAYAGADA, ODISHA (2nd Call)

NIT No: PCO/BBSR/980/200 Date- 26.09.2024

CONSTRUCTION OF MULTI-PURPOSE CENTRE (MPC) AT MIDIUM, KUTUNI, CHINASARI, GUNUPUR IN THE DISTRICT OF RAYAGADA

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
	Architectural Consultancy Services	Lot	54359.55	1	54359.55
	Sub Total				54359.55
1	CIVIL WORKS				
Α	EARTH WORK				
	Earth work in stoney earth and gravels mixed with				
	stone and boulder not exceeding 0.014 cum in volume				
	within 50m initial lead and 1.5m initial lift including				
1	rough dressing and breaking clods to maximum 5cm to				
	7cm and laying in layer not exceeding 0.3m in depth and				
	as per specification approved by the dept.				
i	Ordinary Soil	CuM	210.97	201.22	42,451.38
ii	Soft Rock	CuM	329.01	51.15	16,828.86
iii	Hard Rock	CuM	2,726.10	2.56	6,978.82
	Supplying & Filling foundation trenches , plinth &				
	ditches with clean course river sand well watered and		782.30	193.64	
	rammed in layers not exceeding 23 c.m. in depth with all				
	lead and lift including cost, conveyance, loading,				4 54 404 57
2	unloading, stacking,royalties and all taxes of sand,cost	CuM			1,51,484.57
	& conveyance of water, cost of all Labour,labour				
	cess,T&P required for the work etc. complete in all				
	respect as directed by the Engineer- in -charge.				
	Back filling available excavated earth (excluding rock)				
	in trenches, plinth, sides of foundations etc. in layers				
3	not exceeding 20 cm in depth, consolidating each	CuM	117.20	34.20	4,008.24
	deposited layer by ramming and watering, lead upto 50				
	m and lift upto 1.5m.				
	Making plinth protection 150 mm thick of cement				
	concrete 1:3:6 (1 cement: 3 coarse sand : 6 graded				
4	stone aggregate 20 mm nominal size) over 75mm thick		-	_	_
	bed of dry brick ballast 40 mm nominal size, well				
	rammed and consolidated and grouted with fine sand,				
	including finishing the top smooth	SqM	2,392.90	51.75	1,23,832.58
В	PLAIN & REINFORCEMENT CONCRETE	JYIM	2,392.90	51.75	1,23,032,30

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount .
	Providing and laying P.C.C[1:4:8] using 4cm size metal				
	etc in foundation and floors using cement , 40 mm size				
	crusher broken H.G.Metal and screened and washed				
1	sharp river sand for mortar of approved quality and	CuM	5,033.90	34.35	1,72,914.47
	from approved quarry including hoisting ,lowering and				
	laying concrete to the required level, ramming				
	,watering and curing etc				
	Providing and laying in position ready mixed M25 grade				
	concrete having compressive strength at 28 days test				
	not lessthan 250kg/sq.cm for reinforced cement				
2	concrete work using cement content as per approved		-	-	-
	design mix etc including Rigid & smooth centering and				
	shuttering.				
	For R.C.C foundation, footing bases of column, mass	CuM	6,397.25	68.94	1 11 026 12
α	concrete, pre-cast etc.	CuM	0,397.20	00.94	4,41,026.42
Ь	For R.C.C plinth band etc.	CuM	7,218.70	11.99	86,552.21
С	R.C.C Beam & Coloum		-	-	-
i	Ground Floor	CuM	14,221.20	26.87	3,82,123.64
d	Lintel		-	-	-
i	Ground Floor	CuM	13,500.20	3.38	45,630.68
f	Chaja		-	-	-
i	Ground Floor	Sqm	1,122.42	12.15	13,637.40
9	Roof slab, Landing, Balcony,		-	-	-
i	Ground Floor Cutting ,Straightening coiled or bend up HYSD/TMT	CuM	12,814.20	27.43	3,51,493.51
3	Reinforcement bars welding or jointing if necessary ,				
3	bending ,tying the grills as required for R.C.C works		-	-	_
	etcwinding wire extra				
α	Foundation	Qntl	8,861.00	45.93	4,06,985.73
b	Ground floor	Qntl	8,861.00	72.87	6,45,701.07
С	BRICK WORK		-	-	-
	Fly Ash Brick Masonry in cement mortar of mix				
	(1:6) using Fly Ash bricks of size $25c.m \times 11 c.m \times 8$				
	c.m in Foundation & Plinth having crushing strength				
	not less than 75 kg per square c.m. with cement and				
	screened & washed sharp sand for mortar after				
	immersing the bricks for 6 (Six) hours in water				
	before use in works with all necessary projections,		-	-	-
	splays cutting, circular moulding, corbelling, chamfering, watering and curing etc. including cost,				
	coveyance,stacking, loading, unloading, royalties , all				
	taxes ,cost of all labour,Labour cess ,scaffolding,				
	sundries and T&P required for the works etc. complete				
	· · · · · · · · · · · · · · · · · · ·				
	in all respect as directed by the Engineer-in-charge.	CAA	5 115 00	10.47	00 537 00
	Foundation and Plinth	CuM	5,115.00	19.46	99,537.90

Fly Ash Brick Masonry in cement mortar of mix (1:6) using Fly Ash bricks of size 25Em.x 11 c.m. x 8 c.m. in superstructure having crushing strength not less than 75 kg per square c.m. with cement and screened 4 washed sharp sand for mortar after immersing the bricks for 6 (5kx) hours in water before use in works 2 with all necessary projections, sploys cutting, circular moulding, corbelling, chamfering, watering and curing etc. including cost, coveyance, stacking, loading, unloading, royalties, all taxes, cost of all labour_Labour cess scaffolding, sundries and T&P required for the works etc. complete in all respect as directed by the Engineer-in-charge. a Ground Floor Fly Ash Brick masonry in cement mortar of mix [1:4] using Fly Ash bricks of size 25cm12cmx8cm in superstructure having crushing strength not less than 75 kg /m2 etc[Half Brick work] a Ground Floor CuM, 5,458,00 1,05 5,730,90 D PLASTERING & PAINTING Providing 12mm. Thick cement plaster in cement mortar or mix(1:6) in all floors at all height with cement a screened and washed sharp river sond for mortar and finished smooth to the rough surface of the brick masonary walls after racking out the joint's (alongwith providing grooves wherever necessary) including watering and curing, rounding of corners etc. complete with cast, conveyance, loading, unloading, royalities and taxes of all materials, cost of all labour, T&P, sundries and scaffolding required for the work etc. as directed by the Engineer-in- charge. a Ground floor SqM. 153.50 347.49 53,339.72 Providing 16mm. Thick cement plaster in cement mortar or mix(1:6) in all floors at all height with cement & screened and washed sharp river sond for mortar and finished smooth to the rough surface of the brick masonary walls after racking out the joint's (alongwith providing grooves wherever necessary) including watering and curing rounding of corners etc. complete with cost, conveyance, loading, unloading, royalities and taxes of all materials, cost of all labour, T&P, sundries and scaffolding	Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
Fly Ash Brick masonry in cement mortar of mix [1:4] using Fly Ash bricks of size 25cm12cmx8cm in superstructure having crushing strength not less than 75 kg /m2 etc[Half Brick work] a Ground Floor	2	(1:6) using Fly Ash bricks of size 25c.m x 11 c.m x 8 c.m in superstructure having crushing strength not less than 75 kg per square c.m. with cement and screened & washed sharp sand for mortar after immersing the bricks for 6 (Six) hours in water before use in works with all necessary projections, splays cutting, circular moulding, corbelling, chamfering, watering and curing etc. including cost, coveyance, stacking, loading, unloading, royalties, all taxes, cost of all labour, Labour cess, scaffolding, sundries and T&P required for the works etc. complete in all respect as directed by the		-	-	-
using Fly Ash bricks of size 25cm12cmx8cm in superstructure having crushing strength not less than 75 kg /m2 etc[Half Brick work] a Ground Floor	а		CuM	5,148.00	66.30	3,41,312.40
a Ground Floor PLASTERING & PAINTING Providing 12mm. Thick cement plaster in cement mortar or mix(1:6) in all floors at all height with cement & screened and washed sharp river sand for mortar and finished smooth to the rough surface of the brick masonary walls after racking out the joints (alongwith 1 providing grooves wherever necessary) including watering and curing,rounding of corners etc. complete with cost,conveyance, loading, unloading, royalities and taxes of all materials,cost of all labour, T&P, sundries and scaffolding required for the work etc. as directed by the Engineer-in- charge. a Ground floor SqM 153.50 347.49 53,339.72 Providing 16mm. Thick cement plaster in cement mortar or mix(1:6) in all floors at all height with cement & screened and washed sharp river sand for mortar and finished smooth to the rough surface of the brick masonary walls after racking out the joints (alongwith 2 providing grooves wherever necessary)including watering and curing,rounding of corners etc. complete with cost,conveyance,loading, unloading,royalities and taxes of all materials,cost of all labour, T&P, sundries and scaffolding required for the work etc. as directed by the Engineer-in- charge.	3	using Fly Ash bricks of size 25cm12cm×8cm in superstructure having crushing strength not less than		-	-	-
Providing 12mm. Thick cement plaster in cement mortar or mix(1:6) in all floors at all height with cement & screened and washed sharp river sand for mortar and finished smooth to the rough surface of the brick masonary walls after racking out the joints (alongwith providing grooves wherever necessary) including watering and curing,rounding of corners etc. complete with cost,conveyance, loading, unloading, royalities and taxes of all materials,cost of all labour,T&P,sundries and scaffolding required for the work etc. as directed by the Engineer-in- charge. Ground floor Providing 16mm. Thick cement plaster in cement mortar or mix(1:6) in all floors at all height with cement & screened and washed sharp river sand for mortar and finished smooth to the rough surface of the brick masonary walls after racking out the joints (alongwith providing grooves wherever necessary)including watering and curing,rounding of corners etc. complete with cost,conveyance,loading, unloading,royalities and taxes of all materials,cost of all labour,T&P,sundries and scaffolding required for the work etc. as directed by the Engineer-in- charge.	а	_	CuM	5,458.00	1.05	5,730.90
Providing 12mm. Thick cement plaster in cement mortar or mix(1:6) in all floors at all height with cement & screened and washed sharp river sand for mortar and finished smooth to the rough surface of the brick masonary walls after racking out the joints (alongwith providing grooves wherever necessary) including watering and curing,rounding of corners etc. complete with cost,conveyance, loading, unloading, royalities and taxes of all materials,cost of all labour,T&P,sundries and scaffolding required for the work etc. as directed by the Engineer-in- charge. Ground floor Providing 16mm. Thick cement plaster in cement mortar or mix(1:6) in all floors at all height with cement & screened and washed sharp river sand for mortar and finished smooth to the rough surface of the brick masonary walls after racking out the joints (alongwith providing grooves wherever necessary)including watering and curing,rounding of corners etc. complete with cost,conveyance,loading, unloading,royalities and taxes of all materials,cost of all labour,T&P,sundries and scaffolding required for the work etc. as directed by the Engineer-in- charge.				-	-	-
mortar or mix(1:6) in all floors at all height with cement & screened and washed sharp river sand for mortar and finished smooth to the rough surface of the brick masonary walls after racking out the joints (alongwith providing grooves wherever necessary) including watering and curing,rounding of corners etc. complete with cost,conveyance, loading, unloading, royalities and taxes of all materials,cost of all labour,T&P,sundries and scaffolding required for the work etc. as directed by the Engineer-in- charge. a Ground floor SqM 153.50 347.49 53,339.72 Providing 16mm. Thick cement plaster in cement mortar or mix(1:6) in all floors at all height with cement & screened and washed sharp river sand for mortar and finished smooth to the rough surface of the brick masonary walls after racking out the joints (alongwith providing grooves wherever necessary)including watering and curing,rounding of corners etc. complete with cost,conveyance,loading, unloading,royalities and taxes of all materials,cost of all labour,T&P,sundries and scaffolding required for the work etc. as directed by the Engineer-in- charge.	D	PLASTERING & PAINTING		-	-	-
Providing 16mm. Thick cement plaster in cement mortar or mix(1:6) in all floors at all height with cement & screened and washed sharp river sand for mortar and finished smooth to the rough surface of the brick masonary walls after racking out the joints (alongwith 2 providing grooves wherever necessary)including watering and curing,rounding of corners etc. complete with cost,conveyance,loading, unloading,royalities and taxes of all materials,cost of all labour,T&P,sundries and scaffolding required for the work etc. as directed by the Engineer-in- charge.	1	mortar or mix(1:6) in all floors at all height with cement & screened and washed sharp river sand for mortar and finished smooth to the rough surface of the brick masonary walls after racking out the joints (alongwith providing grooves wherever necessary) including watering and curing, rounding of corners etc. complete with cost, conveyance, loading, unloading, royalities and taxes of all materials, cost of all labour, T&P, sundries and scaffolding required for the work etc. as directed		-	-	<u>-</u>
mortar or mix(1:6) in all floors at all height with cement & screened and washed sharp river sand for mortar and finished smooth to the rough surface of the brick masonary walls after racking out the joints (alongwith providing grooves wherever necessary)including watering and curing,rounding of corners etc. complete with cost,conveyance,loading, unloading,royalities and taxes of all materials,cost of all labour,T&P,sundries and scaffolding required for the work etc. as directed by the Engineer-in- charge.	a	Ground floor	SqM	153.50	347.49	53,339.72
	2	mortar or mix(1:6) in all floors at all height with cement & screened and washed sharp river sand for mortar and finished smooth to the rough surface of the brick masonary walls after racking out the joints (alongwith providing grooves wherever necessary)including watering and curing, rounding of corners etc. complete with cost, conveyance, loading, unloading, royalities and taxes of all materials, cost of all labour, T&P, sundries and scaffolding required for the work etc. as directed		-	_	-
u ioi vana 1001 - 1 20/4 217 30 200.30 60 / 66 17	<u>a</u>	Ground floor	SqM	219.30	368.30	80,768.19

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
3	Finishing wall surface of wall with cement based wall putty [water based] of approved make and finished smooth and even surface to receive painting including cost etc		-	-	-
а	Ground Floor	SqM	81.61	924.15	75,419.88
4	Providing and applying 2 coats with 100% acrylic emulsion paint on New surface including one coat of primer (exterior quality) of approved make & shade by reputed manufacturer to make an even finished surface over a coat of primer with water bound cement primer in all heights with all scaffolding and staging charges including cost, conveyance, taxes of all materials, cost of all labours, T&P, sundries etc. as required for the work complete.		-		-
α	Ground floor	SqM	150.10	368.30	55,281.83
5	Supplying and painting of internal walls and ceiling with two or more coats of ACRYLIC emulsion paint on New surface which includes a coat of primer all complete. The shade and brand to be of approved brand & shade over the surfaces including preparation of surface, with cost of all materials, labour, conveyance taxes of all materials, scaffolding etc., as per the direction of the Engineer-in-charge.		-	-	-
а	Ground floor	SqM	149.30	555.86	82,989.90
6	Painting with synthetic enamel paint over a coat of primer of approved colour, shade and brand on New wood work /steel work in two or more coats as required to give an even shade including an under coat of suitable primer of approved brand and manufacturer including cost of all materials with taxes and transportation, loading, unloading, scaffolding, all labour, Labour cess, sundries, T&P, etc. complete as per the direction of the Engineer-in-charge including filling gaps with putties, scrapping, sand papering and cleaning the surface to make free from rusts, dusts and oily substances before applying primer etc.		-	-	-
а	Ground floor	sqm	216.80	25.20	5,463.36
E	FLOORING		-	-	-
1	A. S flooring under layer of 25mm thick C.C. (1:2:4) with 12mm ize granite chips and top layer of 6mm thick plaster cement red oxide mix using 3.5kg or red oxide per 50 kg of cement 1:3 finished with a floating coat of cement and Red oxide mix of same proportion. Ground floor		-	- 142.04	- 40 405 52
α	QLORUG LIGOL	SqM	428.00	162.84	69,695.52

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
2	12mm thick cement plaster in CM(1:4) with cement punning for skirting & Dados including all cost. complete with cost, conveyance, royality of all materials and labour with T&P required for the work with royalities, taxes etc.complete in all floors as per direction of Fnaineer-in-charge.	SqM	175.50	20.57	3,610.04
F	DOOR & WINDOW		-	-	-
1	Providing and fixing unplasticised poly vinyl chloride (UPVC) door in cluding all fittings and cost, conveyance of all materials, labours and T&P required for the work etc, all complete as per direction of engineer in charge.	Sqm	8,963.00	3.15	28,233.45
2	Providing and fixing 30 mm thick factory made single extruded WPC (Wood polymer composite) solid plain flush door shutter of required size fixing with stainless steel butt hinges of required size with necessary full body threaded star headed counter sunk S.S screws, all complete as per direction of engineer in	Sqm	4,424.00	15.75	69,678.00
3	Supplying, fitting, fixing up window (sliding type) made up aluminum Section 9778 as windows frame, section No. 4095, 4096 and 9777, 3994 as shutter frame with rubber beading including locking arrangement including all fitting including cost of materials all taxes labour, T&P etc. complete as per direction of Engineer-incharge. including cost of frosted glass & SS mosquito net.	Sqm	7,648.40	24.30	1,85,856.12
G	STEEL WORK		-	-	-
			-	-	-

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
1	Supplying, fitting and fixing of M.S grills, grill gates with top and bottom rails, (as per I.S. specification and as per approved drawings) in proper position in all floors and at all height including making holes to brick walls/ R.C.C structure/wood work etc. and making good to the damaged walls/ structures with cement concrete (1:2:4) with black hard crusher broken granite stone chips of 12mm to 20mm size (20mm size not to exceeds 25%) including watering and curing including cost, conveyance, loading, unloading, stacking, royalties and taxes of all materials, cost of all Labour, Labour cess, Sundries, T&P required for the work etc.complete as per the direction of Engineer in charge (W.I. / M.S. windows grills, grill gates, collapsible gates with top and bottom rails, steel windows, steel doors, steel frames for doors and windows, staircase and parapet railings square bar along with required nos. of nails and screws and other required materials of approved quality and approved size shall be supplied by the contractor at his own cost.)	KG	89.50	864.00	77,328.00
2	Supplying, fitting and fixing of Stainless steel of 304 grade in hand railing using 50mm dia of 2mm thick circular pipe with balustrade of size 32mmx32mmx2mm @ 0.90mtr.C/C and stainless square pipe bracing of size 32mmx32mmx2mm in 3 rows in stair case as per approved design and specification ,buffing, polishing etc with cost,conveyance,taxes of all materials, labour, T & P etc. requird for the complete in all respect.	Rmt	3,524.00	22.50	79,290.00
			-	-	-
1 1	Grading plaster 2.5 cm thick grading Plaster (1:4) on roof slab with 6mm size HG chips including all cost, conveyance, royalty & taxes etc.comp.to work site for new work as per the specification approved by the department & direction of E.I.C	sqm	387.30	215.00	- 83,269.50
	TOTAL CIVIL WORK				42,88,454.29
	TOTAL STATE WORK				12,00,101.29
2	PLUMBING AND SANITARY WORK				
			_		
	INTERNAL PH WORKS				

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
1	Supplying all materials, labour and T&P for fitting and fixing white glazed vitreous china porcelain Indian Pan water closet of size 23" of approved make confirming to IS-2556 and top inlet for sinking into floor with 100mm PVC 'P' trap etc. including supply of necessary cement concrete for fitting the closet etc. complete in all respect in all floors including cost, conveyance and taxes of all materials etc. complete and as per PH specification and direction of Engineer-in-charge.				
		Nos	5,597.74	2.00	11,195.48
2	Supplying all materials, labour and T&P for fitting and fixing white glazed vitreous china porcelain flat back urinal pan of approved make confirming to IS-2556 and top inlet for sinking into floor with 100mm PVC 'P' trap etc. including supply of necessary cement concrete for fitting the closet etc. complete in all respect in all floors including cost, conveyance and taxes of all materials etc. complete and as per PH specification and direction of Engineer-in-charge including marble partition in between urinals.		-	-	-
	Supplying all materials, labour, T&P and fixing standard	Nos	12,288.40	2.00	24,576.80
3	sized shower (bath shower) of approved make etc complete including cutting the wall and making good the damages, including cost of all materials complete as per PH specification and direction of Engineering-incharae.		-	-	-
		Nos	993.00	2.00	1,986.00
4	fixing white glazed vitreous china porcelain wash basin of size 450mm × 300mm of approved make confirming to IS-2556 and top inlet for sinking into floor with 100mm PVC 'P' trap etc. including supply of necessary cement concrete for fitting the closet etc. complete in all respect in all floors including cost, conveyance and taxes of all materials etc. complete and as per PH specification and direction of Engineer-in-charge		<u>-</u>	<u>-</u>	-
		Nos	9,150.40	4.00	36,601.60
5	Supplying all materials, labour, T&P and fixing standard sized CP Bib cock of approved make etc complete including cutting the wall and making good the damages, including cost of all materials complete as per PH specification and direction of Engineering-in-charge.		-	-	-
		Nos	1,873.00	4.00	7,492.00

Item No/5.No	Description of work	Unit	Rate	Quantity	Amount
6	Supplying all materials, labour, T&P and fixing standard sized 15mm dia Angular Stop cock of approved make etc complete including cutting the wall and making good the damages, including cost of all materials complete as per PH specification and direction of Engineering-incharge.		-	-	-
		Nos	1,158.40	4.00	4,633.60
7	Supplying all materials, labour, T&P and fixing standard 15mm sized pillar cock of approved make etc complete including cutting the wall and making good the damages, including cost of all materials complete as per PH specification and direction of Engineering-in-charge.		-	-	-
		Nos	1,626.00	4.00	6,504.00
8	Supplying all materials, labour, T&P and fixing standard sized Long body 15mm dia CP Bib cock of approved make etc complete including cutting the wall and making good the damages, including cost of all materials complete as per PH specification and direction of Engineering-in- charge.	Nos	2,107.00	4.00	8,428.00
	T. D. 17:		-	-	-
9	Supplying all materials, labour, T&P and fixing standard sized two way CP Bib cock of approved make etc complete including cutting the wall and making good the damages, including cost of all materials complete as per PH specification and direction of Engineering-incharge.	Nos	1,873.40	2.00	3,746.80
10	Supplying all materials, labour, T&P and fixing standard sized shower (Health Faucet) of approved make etc complete including cutting the wall and making good the damages, including cost of all materials complete as per PH specification and direction of Engineering-incharge.	Nos	993.00	2.00	1,986.00
11	Supplying all materials, labour, T&P and fixing standard sized Chromium Plated brass towel rail complete with Chromium Plated brass brackets fixed to wooden plugs with Chromium Plated brass screws as per specification and direction of the Engineer in charge	Nos	1,369.70	2.00	2,739.40
12	Fixing 600x450mm bevelled edge mirror of superior glass mounted on 6mm thick A.C sheet or plywood sheet and fixed to wooden plugs with Chromium Plated brass screws and washers complete as per specification and direction of the Engineer in charge	1403	-	-	-
		NOS	1,841.80	4.00	7,367.20

Supplying all materials, labours, T&P and fitting and fixing of the following size of CPVC pipe confirming to IS 15778 certification mark with socket and screw joints in walls and floors including supplying of required number of fittings of approved make including cutting threads to pipes and pipes to length, including wastage,etc for fitting to the walls with supply of holder ats, clamps, fixing wooden plugs in walls, including testing of pipe line for water tightness complete as per IS specification including cost, conveyance and taxes of all materials all complete as per PH specification and direction of Engineer-in- a 25 mm dia R.mtr 563.20 20.00 7,370.1 b 32 mm dia R.mtr 563.20 20.00 11,264.1 c 40mm dia R.mtr 563.20 20.00 11,264.1 froviding all materials, labour, Fitting & fixing of CPVC Ball Valve with CTS socket. Make: Prince) a 25mm Dia Nos 842.00 1.00 842.1 b 32mm Dia Nos 1,589.00 1.00 1,589.00 c 40mm dia Nos 1,589.00 1.00 2,391.1 Supplying all materials, labours, T&P for cutting holes through existing brickwork including making good the damages in cement mortar (1:4) for taking 6I pipes and fittings/PVC pipes and fittings etc all complete as per PH specification and direction of Engineer-in-charge. Nos 55.60 2.00 111. Supplying all materials, labours, T&P for cutting holes through existing PCC floors & roofs including making good the damages for taking 6I pipes and fittings/PVC pipes and fittings etc all complete as per PH specification and direction of Engineer-in-charge.	Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
Supplying all materials, labours, T&P and fitting and fixing of the following size of CPVC pipe confirming to IS 15778 certification mark with socket and screw joints in walls and floors including supplying of required number of fittings of approved make including cutting threads to pipes and pipes to length, including threads to pipes and pipes to length, including wastage,etc for fitting to the walls with supply of holder ats, clamps, fixing wooden plugs in walls, including testing of pipe line for water tightness complete as per IS specification including cost, conveyance and taxes of all materials all complete as per PH specification and direction of Engineer-in- a 25 mm dia R.mtr 563.20 20.00 77,3701 b 32 mm dia R.mtr 563.20 20.00 11,264.1 c 40mm dia R.mtr 563.20 20.00 11,642.1 froviding all materials, labour, Fitting & fixing of CPVC Ball Valve with CTS socket. Make: Prince) a 25 mm bia Nos 842.00 1.00 842.0 b 32 mm bia Nos 1,589.00 1.00 842.0 c 40mm dia Nos 1,589.00 1.00 1,589.0 c 40mm dia Nos 2,391.00 1.00 2,391.0 Supplying all materials, labours, T&P for cutting holes through existing brickwork including making good the damages in cement mortar (1:4) for taking 6I pipes and fittings/PVC pipes and fittings etc all complete as per PH specification and direction of Engineer-in-charge. Nos 55.60 2.00 111. Supplying all materials, labours, T&P for cutting holes through existing BCC floors & roofs including making good the damages for taking 6I pipes and fittings/PVC pipes and fittings etc all complete as per PH specification and direction of Engineer-in-charge.	13	fixing of Poly Propelene white double layer water storage Tank of approved make confirming to IS 12701-1996 including cutting holes through the tank and fixing mild steel tubes and fittings and providing extra sockets and jam nuts, fixing ball valve etc including hoisting upto terrace level and placing the tank to the required position etc all complete as per PH specification and direction of Engineer-in-charge. (To provided with brick masonary guard walls which will be		-	-	-
fixing of the following size of CPVC pipe confirming to IS 15778 certification mark with socket and screw joints in walls and floors including supplying of required number of fittings of approved make including cutting threads to pipes and pipes to length, including wastage,etc for fitting to the walls with supply of holder ats, clamps, fixing wooden plugs in walls, including testing of pipe line for water tightness complete as per IS specification including cost, conveyance and taxes of all materials all complete as per PH specification and direction of Engineer-in- a 25 mm dia R.mtr 368.50 20.00 7,370. b 32 mm dia R.mtr 563.20 20.00 11,264.1 c 40mm dia R.mtr 732.10 20.00 14,642.1 froviding all materials, labour, Fitting & fixing of CPVC 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	α	2000 ltr	Nos	25,364.70	1.00	25,364.70
fixing of the following size of CPVC pipe confirming to IS 15778 certification mark with socket and screw joints in walls and floors including supplying of required number of fittings of approved make including cutting threads to pipes and pipes to length, including wastage,etc for fitting to the walls with supply of holder ats, clamps, fixing wooden plugs in walls, including testing of pipe line for water tightness complete as per IS specification including cost, conveyance and taxes of all materials all complete as per PH specification and direction of Engineer-in- a 25 mm dia R.mtr 368.50 20.00 7,370. b 32 mm dia R.mtr 563.20 20.00 11,264.1 c 40mm dia R.mtr 732.10 20.00 14,642.1 froviding all materials, labour, Fitting & fixing of CPVC 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0					-	-
a 25 mm dia R.mtr 368.50 20.00 7,370.1 b 32 mm dia R.mtr 563.20 20.00 11,264.1 c 40mm dia R.mtr 732.10 20.00 14,642.1 15 Providing all materials, labour, Fitting & fixing of CPVC Ball Valve with CTS socket. Make: Prince) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	14	fixing of the following size of CPVC pipe confirming to IS 15778 certification mark with socket and screw joints in walls and floors including supplying of required number of fittings of approved make including cutting threads to pipes and pipes to length, including wastage, etc for fitting to the walls with supply of holder ats, clamps, fixing wooden plugs in walls, including testing of pipe line for water tightness complete as per IS specification including cost, conveyance and taxes of all materials all complete as		-	-	-
b 32 mm dia R.mtr 563.20 20.00 11,264.1 c 40mm dia R.mtr 732.10 20.00 14,642.1 15 Providing all materials, labour, Fitting & fixing of CPVC Ball Valve with CTS socket. Make: Prince) a 25mm Dia Nos 842.00 1.00 842.1 b 32mm Dia Nos 1,589.00 1.00 1,589.00 c 40mm dia Nos 2,391.00 1.00 2,391.0 Supplying all materials, labours, T&P for cutting holes through existing brickwork including making good the damages in cement mortar (1:4) for taking GI pipes and fittings/PVC pipes and fittings etc all complete as per PH specification and direction of Engineer-in-charge. Nos 55.60 2.00 111. Supplying all materials, labours, T&P for cutting holes through existing RCC floors & roofs including making good the damages for taking GI pipes and fittings/PVC pipes and fittings etc all complete as per PH specification and direction of Engineer-in-charge.	α		R.mtr	368.50	20.00	7,370.00
c 40mm dia R.mtr 732.10 20.00 14,642.1 15 Providing all materials, labour, Fitting & fixing of CPVC Ball Valve with CTS socket. Make: Prince) a 25mm Dia Nos 842.00 1.00 842.0 b 32mm Dia Nos 1,589.00 1.00 1,589.0 c 40mm dia Nos 2,391.00 1.00 2,391.0 Supplying all materials, labours, T&P for cutting holes through existing brickwork including making good the damages in cement mortar (1:4) for taking GI pipes and fittings/PVC pipes and fittings etc all complete as per PH specification and direction of Engineer-in-charge. Nos 55.60 2.00 111. Supplying all materials, labours, T&P for cutting holes through existing RCC floors & roofs including making good the damages for taking GI pipes and fittings/PVC pipes and fittings etc all complete as per PH specification and direction of Engineer-in-charge.	ь	32 mm dia				11,264.00
Providing all materials, labour, Fitting & fixing of CPVC Ball Valve with CTS socket. Make: Prince) a 25mm Dia Nos 842.00 1.00 842.0 b 32mm Dia Nos 1,589.00 1.00 1,589.0 c 40mm dia Nos 2,391.00 1.00 2,391.0 Supplying all materials, labours, T&P for cutting holes through existing brickwork including making good the damages in cement mortar (1:4) for taking GI pipes and fittings/PVC pipes and fittings etc all complete as per PH specification and direction of Engineer-in-charge. Nos 55.60 2.00 111. Supplying all materials, labours, T&P for cutting holes through existing RCC floors & roofs including making good the damages for taking GI pipes and fittings/PVC pipes and fittings etc all complete as per PH specification and direction of Engineer-in-charge.	С	40mm dia	R.mtr			14,642.00
b 32mm Dia Nos 1,589.00 1.00 1,589.0 c 40mm dia Nos 2,391.00 1.00 2,391.0 Supplying all materials, labours, T&P for cutting holes through existing brickwork including making good the damages in cement mortar (1:4) for taking GI pipes and fittings/PVC pipes and fittings etc all complete as per PH specification and direction of Engineer-in-charge. Nos 55.60 2.00 111. Supplying all materials, labours, T&P for cutting holes through existing RCC floors & roofs including making good the damages for taking GI pipes and fittings/PVC	15					-
c 40mm dia Nos 2,391.00 1.00 2,391.0 Supplying all materials,labours,T&P for cutting holes through existing brickwork including making good the damages in cement mortar (1:4) for taking GI pipes and fittings/PVC pipes and fittings etc all complete as per PH specification and direction of Engineer-in-charge. Nos 55.60 2.00 111. Supplying all materials,labours,T&P for cutting holes through existing RCC floors & roofs including making good the damages for taking GI pipes and fittings/PVC	α	25mm Dia	Nos	842.00	1.00	842.00
Supplying all materials, labours, T&P for cutting holes through existing brickwork including making good the damages in cement mortar (1:4) for taking GI pipes and fittings/PVC pipes and fittings etc all complete as per PH specification and direction of Engineer-in-charge. Nos 55.60 2.00 111. Supplying all materials, labours, T&P for cutting holes through existing RCC floors & roofs including making good the damages for taking GI pipes and fittings/PVC pipes and fittings etc all complete as per PH specification and direction of Engineer-in-charge.	Ь	32mm Dia	Nos	1,589.00	1.00	1,589.00
through existing brickwork including making good the damages in cement mortar (1:4) for taking GI pipes and fittings/PVC pipes and fittings etc all complete as per PH specification and direction of Engineer-in-charge. Nos 55.60 2.00 111. Supplying all materials,labours, T&P for cutting holes through existing RCC floors & roofs including making good the damages for taking GI pipes and fittings/PVC pipes and fittings etc all complete as per PH specification and direction of Engineer-in-charge.	С	40mm dia	Nos	2,391.00	1.00	2,391.00
Supplying all materials,labours,T&P for cutting holes through existing RCC floors & roofs including making good the damages for taking GI pipes and fittings/PVC pipes and fittings etc all complete as per PH specification and direction of Engineer-in-charge.	16	through existing brickwork including making good the damages in cement mortar (1:4) for taking GI pipes and fittings/PVC pipes and fittings etc all complete as per		-	-	-
through existing RCC floors & roofs including making good the damages for taking GI pipes and fittings/PVC pipes and fittings etc all complete as per PH specification and direction of Engineer-in-charge.			Nos	55.60	2.00	111.20
Mag 1/7 40 2.00 334	17	through existing RCC floors & roofs including making good the damages for taking GI pipes and fittings/PVC pipes and fittings etc all complete as per PH		-	-	-
1 1 1003 1 10/401 / 001 334 (Nos	167.40	2.00	334.80

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
18	Supplyng all materials, labour, T&P for construction of brick masonary Gulley trap chamber of size300mm × 300mm with CI gulley trap, by Fly ash brick masonry in CM (1:4), CP (1:6) with 150mm × 150mm CI grating including labour and materials for fitting and fixing 100mm dia square mouth CI gully trap with supply of all jointing materials and encasing the gully trap with a block of CC (1:4:8) with 25mm size hard stone metal all complete with providing and fixing of 250mm × 250mm precast RCC cover slab including cost, conveyance, taxes of all materials to site complete as per the PH specification and direction of Engineer-in-charge.				-
		Nos	3,575.00	2.00	7,150.00
19	Providing all materials labour, T&P for making grooves in bricks/stone masonary walls vertically or horizontally up to required depth and width in all floor for laying of pipes and fittings up to 50mm dia, testing the joints with required water pressure and making good the damages with cement concrete 1:2:4 with 12mm size h.g.c.b.chips and finished smooth with cement morter (1:4) to original shape including cost of all materials, curing, conveyance of all materials etc. all complete excluding GST as per specification & direction of Engineer-in-charge.		0.00	0.00	-
	5 . 191	Rmt	248.10	20.00	4,962.00
	External PH Supplying all materials, labours, T&P and fitting and fixing of the following size of CPVC pipe confirming to IS 15778 certification mark with socket and screw joints in walls and floors including supplying of required number of fittings of approved make including cutting threads to pipes and pipes to length, including wastage, etc for fitting to the walls with supply of holder ats, clamps, fixing wooden plugs in walls, including testing of pipe line for water tightness complete as per IS specification including cost, conveyance and taxes of all materials all complete as per PH specification and direction of Engineer-in-		-	-	<u>-</u>
α	50mm dia	Rmt	1,153.60	10.00	11,536.00

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
21	Supplying all materials & labour, T&P and constructing brick masonary chamber for water sluice valve, single air valve & non return valve with Fly ash brick masonary in cement mortar (1:4) as per approved drawing and specification CC (1:4:8) with 4cm size hard granite metal on the bed, 12mm cement plaster (1:6) to inside and cement flush pointing (1:6) to outside surface with 100mm thick RCC M20 cover slab with 20mm hg chips using required quantity of tor steel, centring and shuttering to the slab and dismantling it after 31 days of casting, filling the outside cavity with excavated materials, watering, curing including cost, conveyance, taxes of all materials, labour charges for cutting, bending, binding and tying the grills in proper position etc all complete as per drawing, design and direction of Engineer-in-charge.		-	-	-
a	Chamber (0.75x0.75x0.7mtr)	Nos	9,696.00	1.00	9,696.00
			-		-
22	Supplying all materials, labour, T&P and fitting and fixing of double air valve of 50mm Dia confirming to the relevant IS specification and dimension including fixing it in position along the pipeline with supply of all required materials such as rubber insertion, nuts & bolts including cost of all materials, taxes, and duties, transportation charges from store to site etc all complete as per the direction of Engineer-in-charge.		-	-	-
		Nos	4,111.90	1.00	4,111.90
23	Supply, installation, testing and commissioning of automatic star delta control panel suitable for 2 HP pumpset including MS box fitted with main switch ,contactor, single phasing preventer, timer, selector switch, voltmetre, ammeter etc and connection with motor inside the sump with suitable cable etc complete as per the Direction of Engineer-in-charge. (Excluding nower supply)(MR)		-	-	-
		Set	14,500.00	1.00	14,500.00
	Septic Tank		-	-	-
24	Earth work in excavation in Hard rock by mechanical means (Hydraullic excavator)/ manual means overareas (exceeding 30 cm in depth, 1.5 m in width as well as 10sqm on plan) inculding disposal of excavated earth up to 50 m and lift upto 1.5m with all lead and lift including shoring, shuttering & dewatering (if required) with cost of all Labour, Labour cess ,Hire & Running charges of the water pumps, T & P required for the work complete as directed by the Engineer- in- charge.		-	-	-

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
α	Earth work excavation beyond 1.50mtr depth	CuM	210.97	6.00	1,265.82
25	Supplying and filling the Foundation & Plinth with clean coarse river sand of approved quality from approved quarry, laying in layers not exceeding 150mm thick, watering and ramming including cost, conveyance, royalty and taxes of all materials, cost of all labour, T&P etc. as required for the work complete as per direction of the Engineer-in-charge.		-	-	-
		CuM	782.30	2.73	2,135.68
26	Providing & laying cement concrete of prop. (1:4:8) in foundation bed and floors using 40mm nominal size down graded, screened, washed hard black crusher broken granite metal of approved quality & from approved quarry including laying in the layers not exceeding 100 mm thick etc. Providing and laying in position ready mixed M25 grade	CuM	5,033.90	0.75	3,775.43
27	Providing and laying in position ready mixed M25 grade concrete having compressive strength at 28 days test not lessthan 250kg/sq.cm for reinforced cement concrete work using cement content as per approved design mix etc		-	-	-
α	Foundation	CuM	6,397.25	1.00	6,397.25
Ь	RCC Wall	CuM	7,218.70	2.03	14,653.96
С	Slab	CuM	12,814.20	1.00	12,814.20
28	Cutting,straightening coiled or bent up HYSD/TMT Reinfocement Bars welding or jointing if necessary bending binding tying the grills as etc	Qntl	8,861.00	3.60	31,899.60
29	bending, binding, tying the grills as etc Providing 12mm. thick cement plaster with cement mortar of mix (1:4) in all floors cement and with screened and washed sharp sand for mortar with neat cement punning finished smooth to brick/RCC walls after racking out the joints including watering and curing complete with cost etc		-	-	-
		SqM	153.50	12.18	1,869.63
30	Providing and laying of P.C.C. of 1:3:6 with 12 mm size hard granite metal in foundation trenches, under floors in line level including curing and ramming etc. all complete as per the direction of the Engineer-incharge		0	0	-
		Sqm	6,144.40	0.34	2,089.10
31	Finishing walls with water proofing cement paint of approved shade on new work Two coat to give an even shade		-	-	-
32	Back filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20 cm in depth, consolidating each deposited layer by ramming and watering, lead upto 50 m and lift upto 1.5m.	Sqm	37.90	12.18	461.62 -
		CuM	117.20	5.55	650.46
	Soak Pit		-	-	-

Item No/S.No	Description of work	Unit	Rate	Quantity	<i>A</i> mount
33	Supplying and filling the Foundation & Plinth with clean coarse river sand of approved quality from approved quarry, laying in layers not exceeding 150mm thick, watering and ramming including cost, conveyance, royalty and taxes of all materials, cost of all labour, T&P etc. as required for the work complete as per direction of the Engineer-in-charge.		-	-	-
	an ection of the Engineer in charge.	CuM	782.30	1.00	782.30
34	Providing & laying cement concrete of prop. (1:4:8) in foundation bed and floors using 40mm nominal size down graded, screened, washed hard black crusher broken granite metal of approved quality & from approved quarry including laying in the layers not	CuM	5,033.90	0.62	3,121.02
35	exceeding 100 mm thick etc Providing and laying in position ready mixed M25 grade concrete having compressive strength at 28 days test not lessthan 250kg/sq.cm for reinforced cement concrete work using cement content as per approved design mix etc		-	-	-
α	Foundation	CuM	6,397.25	0.32	2,047.12
36	Providing 12mm. thick cement plaster with cement mortar of mix (1:4) in all floors cement and with screened and washed sharp sand for mortar with neat cement punning finished smooth to brick/RCC walls after racking out the joints including watering and curing complete with cost. etc.		-	-	-
		SqM	269.40	1.36	366.38
37	Providing and laying of P.C.C. of 1:3:6 with 12 mm size hard granite metal in foundation trenches, under floors in line level including curing and ramming etc. all complete as per the direction of the Engineer-in-		0	0	-
	<u>charge</u>	Sqm	8,219.50	0.62	5,096.09
38	Fly Ash Brick Masonry in cement mortar of mix (1:6) using Fly Ash bricks of size 25c.m x 12 c.m x 8 c.m in Foundation & Plinth having crushing strength not less than 75 kg per square c.m. with cement and screened & washed sharp sand for mortar after immersing the bricks for 6 (Six) hours in water before use in works with all necessary projections, splays cutting, circular moulding, corbelling, chamfering, watering and curing etc. including cost, coveyance, stacking, loading, unloading, royalties, all taxes, cost of all labour, Labour cess, scaffolding, sundries and T&P required for the works etc. complete in all respect as directed by the Engineer-in-charge.		-	-	_
	<u> </u>	CuM	5,379.00	6.37	34,264.23

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
39	Supplying all materials, labour, T&P, fitting and fixing uPVC SWR pipes (Type-B)(Co-moulded Ring type) of approved make confirming to IS-13592/1992with ISI marked, both below & above ground level or fixing on wall surface in all floors including transportation & scaffolding etc. all complete as per specification excluding GST & direction of the Engineer-in-charge.		O	0	-
α	Pipe 110mm dia	R.Mtr	828.11	30.00	24,843.30
ь	110mm×110mm 'P' Trap (Make:Astral)	nos	494.00	2.00	988.00
С	110mm dia single 'Y' withoutdoor	nos	479.00	2.00	958.00
d	110mm WC connector/Bend with lip ring	nos	360.00	2.00	720.00
e	110mm Socket plug	nos	180.00	2.00	360.00
f	Upvc Elbow	nos	786.00	2.00	1,572.00
40	Sinking of 200 mm ×150mm size production well through DTH or combination drilling riges in hard rock area with PVC or GI casing pipes. 120mtr depth (1nos)	L.S	2,00,000.00	1.00	2,00,000.00
41	Supplying, fitting and fixing of Antiskid Ceramic Floor Tiles in flooring using special plain / printed series Ceramic Floor Tile of premium grade (having minimum thickness 7 mm to 8 mm & size 300 mm × 300 mm OR 600 mm ×600 mm, confirming to I.S 13755 of approved quality and shade in floors, treads on steps and landings on 25 m.m thick bed of cement mortar of mix (1:1) laid in proper slope and gradient with screened & washed sharp etc		-	-	-
	Ground floor	SqM	1,153.90	17.88	20,631.73
42	Supplying, fitting and fixing of ceramic glazed wall Tiles in skirting dado, risers of step and wall using special plain / printed series Ceramic wall Tile of premium grade (having minimum thickness 6.5 mm to 6.7 mm & size 300 mm × 300 mm OR 600mm ×300 mm,		-	-	-
	Ground floor	SqM	1,317.60	68.46	90,202.90
	TOTAL of internal PH WORK[I]				6,97,087.30
3	ELECTRICAL WORK				

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount .
1	Wiring for light point/ fan/ exhaust fan point/ call bell point with 1.5 sqmm FRLS PVC insulated copper conductor single core cable in surface / recessed 2 mm thick PVC conduit with modular switch and earthing the point with 1.5 sqmm FRLS PVC insulated copper conductor single core cable including providing modular box with cover of requisite number of modules including providing cover plates as required. Make Conduit:Norepack/Precision/AKG Wire-KEI/Havells/Finolex Switch/socket-Legrand (myrius)/Panasonic(vision)/schneider(zencelo)		-	-	-
a)	Single light point controlled by one 6A switch or first light point of group control.	Each	785.00	20.00	15,700.00
b)	Subsequent point of group control	Each	515.00	4.00	2,060.00
2	Supplying and fixing two module steeped type electronic fan regulator with proper modular plate switch box including connections etc. as required. Switch/socket-Legrand (myrius)/Panasonic(vision)/schneider(zencelo)	Nos.	653.00	2.00	1,306.00
3	Supplying and fixing 6 Amp plug with 6 Amp switch (Modular Type) on existing board.	Nos.	356.00	8.00	2,848.00
4	Supplying and fixing including testing and commissioning of 6A modular socket outlet with 6 Amp switch including providing GI modular box with faceplate etc as required.		-	-	-
a)	1 nos 6 Amp 3-pin socket with 6 Amp switch.	Nos.	512.00	8.00	4,096.00
b)	2 nos 6 Amp 3-pin socket with 2 nos 6 Amp switch.	Nos.	909.00	6.00	5,454.00
5	Supply, installation, testing & commissioning of 6 / 16 Amp Plug Boards consisting of a 16 Amp clip-in type modular switch with indicator and a 6/16 Amp clip-in type modular socket fixed on metallic concealed box including interconnections and making good the damages caused complete as required and as per direction of Engineer-in-charge. Supplying, installation, testing & commissioning of 25		652.00	8.00	5,216.00
6	amp modular socket outlet on surface or in recess, on 1 Nos two module GI box with plate for socket point and one nos two module GI Box with face plate for switch etc. complete as direction of Engineer-in-charge. As per Crabtree(cat no-ACTO202504) or equivalent of Learand/Schneider		1,330.15	4.00	5,320.60
7	Wiring for circuit/ submain wiring along with earth wire of following size of FRLS heavy gauge PVC insulated copper conductor single core cable in heavy duty PVC conduit laid in surface/ recess as required.		-	-	-
a)	2X2.5 + 1X2.5 sqmm FRLS Cu wire (for Light circuit wiring)	mtr	233.05	75.00	17,478.75

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
b)	double core 4 sq mm. copper wire for phase and neutral	mtr	386.00	20.00	7,720.00
c)	double core 6 sq mm. copper wire for phase and neutral	mtr	452.05	20.00	9,041.00
8	Supply, delivery and fixing of Ceiling fan hook box made out of 18 swg GI sheet and containing 10 mm dia round ms bar projecting atleast 150mm on either side & duly bent to accommodate ceiling fan down rod bolt & having earthing arrangement as per direction of Engineer-in-charge.	Nos.	150.00	10.00	1,500.00
9	36Watt LED Light fitting (3300 Lumen) for PHILIPS .(CAT No:RC365B LED33- 6500 PSU OD WH)/Equivalent of Halonix/Panasonic/crompton as required	Each	3,983.00	10.00	39,830.00
10	20Watt LED Surface/suspended Battern Linear Luminaire (2000 Lumen) PHILIPS (CAT No:WT150C LED20S-6500 PSE OD GR) / Equivalent of Halonix/Panasonic/crompton	Each	1,753.00	10.00	17,530.00
11	6Watt LED Light fitting (600 Lumen) PHILIPS (CAT No:DN191B LED6S-6500 PSU WH S1) / Equivalent ofHalonix/Panasonic/crompton	Each	1,231.00	4.00	4,924.00
12	Supplying, installation, testing and commissioning of ceiling fan (5 star rating) including wiring the down rod, earthing etc as required (Make : Bajaj/Usha/		-	-	-
(a)	Crompton/ Orient/ Khaitan/ Havells). 1200 mm sweep	Nos.	2,656.00	10.00	26,560.00
13	Supplying, installation, testing and commissioning of Exhaust fan / fresh air fan with louvre (Make - Bajaj/Usha/ Crompton/ Orient/ Khaitan/ Havells) as required.		-	-	-
a)	225 mm sweep fibre body fresh air fan	Nos.	1,753.00	2.00	3,506.00
14	Supplying, installation, testing and commissioning of Split Air Conditioner (Make -DAIKINI/VOLTAS/BLUE STAR/as required.	Nos.	55,000.00	4.00	2,20,000.00
15	Supplying and fixing following way, TP and neutral, sheet steel, MCB distribution board, IP-43,IK09 with metal door ,415 V, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCBOs/ISOLATORS) Make- Legrand(Ekinoxe3/siemens(Betaguard)/Schneider Acti9		-	-	-
a)	6 way, Double door	Nos.	4,631.00	2.00	9,262.00

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
16	Supplying and fixing following way, single pole and neutral, sheet steel, MCB distribution board, IP-43, IK-09, 240 V, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCBOS/ISOLATORS)		-		-
a)	12 way, Double door	Each	2,523.00	2.00	5,046.00
17	Supplying and fixing following rating RCBOs/ MCBs in the existing DB complete with connections, testing and commissioning etc. as required Make-Legrand/L&T/ABB		-		
c)	6 Amp to 32 Amp, 10 KA SP MCB (C-Curve)	Each	305.00	2.00	610.00
18	Supplying and fixing of following sizes of heavy gauge PVC conduit along with accessories in surface/recess including cutting the wall and making good the same in case of recessed conduit as required.		-	-	
a)	20 mm	mtr	52.00	100.00	5,200.00
19	Earthing with GI earth pipe 4.5 meter long,40mm dia incluiding accessories and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc with charcoal/coke and salt as required	Nos.	5,809.32	1.00	5,809.32
20	Providing and fixing 25 mm X 5mm GI strip on surface or in recess for connection etc as required.	Mtr	129.00	5.00	645.00
21	Providing and fixing 6 SWG GI wire on surface or in recess for loop earthing along with surface/recessed MS Conduit/submain wiring/cables etc as required.	Mtr	37.00	5.00	185.00
	Total Chadried Amount		-	-	4 17 047 77
	Total Electrical Amount		-	-	4,16,847.67
4	FIRE FIGHTING SYSTEM		_	-	
			-	-	
1	Supplying installation testing and commissioning of ABC type fire extinguishers of 6 kg capacity confirming to IS:14609 & ABC powder confirming IS:13849 presurized with Nitrozen Gas marked.including cost of all material & labour for all floors & service building etc. all complete. Make-KANEX/FIRE SHILD /SAFEX or equivalent	Nos	3,264.00	2.00	6,528.00

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
2	Supplying, installation, testing and commissioning of CO_2 type Fire Extinguisher 4.5 kg capacity confirming to IS: 2878 made from ISI marked seamless cylinder confirming to IS: 7285, fitted with ISI marked controlled valve confirming to IS: 3224, high pressure 1mtr discharge hose & horn complete with initial gas charged with carrying handle & wall mounting bracket for all floors & service building etc. as per direction of Engineer-in-charge.Make-KANEX/FIRE SHILD /SAFEX or equivalentor equivalent	Nos	7,700.00	2.00	15,400.00
3	Supplying, installation, testing and commissioning of Mechanical Foam type 9 litre capacity Fire Extinguisher, ISI marked, IS: 10204, containing 540 ml AFFF liquid ISI marked, IS: 4989 Part II and a polyurethane coated CO2 Gas Cartridge, ISI marked, IS: 4947 complete with gunmetal union cap, nylon hose with plastic foam making branch and wall mounting bracket as per direction of Engineer-in-charge.	Each	3,659.00	2.00	7,318.00
4	Sand Buket as per IS Specicification	Each	500.00	3.00	1,500.00
5	Buket Stand to Store 10 nos of Buket also having Aluminium sheet above the to prevent the stand from rain/sunst.	Nos	2,820.00	1.00	2,820.00
	Total Fire Fighting Amount				33,566.00

TENDER FOR CONSTRUCTION OF MULTI-PURPOSE CENTRE (MPC) AT VARIOUS LOCATIONS FOR DISTRICT OF RAYAGADA, ODISHA (2nd call)

NIT No: PCO/BBSR/980/200 Date- 26.09.2024

CONSTRUCTION OF MULTI-PURPOSE CENTRE (MPC) AT RADESAL, KUTUNI, CHINASARI, GUNUPUR IN THE DISTRICT OF RAYAGADA

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
	Architectural Consultancy Services	Lot	55032.93	1	55032.93
	Sub Total				55032.93
1	CIVIL WORKS				
Α	EARTH WORK				
	Earth work in stoney earth and gravels mixed with				
	stone and boulder not exceeding 0.014 cum in volume				
	within 50m initial lead and 1.5m initial lift including				
1	rough dressing and breaking clods to maximum 5cm to				
	7cm and laying in layer not exceeding 0.3m in depth and				
	as per specification approved by the dept.				
i	Ordinary Soil	CuM	210.97	204.16	43,071.64
ii	Soft Rock	CuM	329.01	51.69	17,006.53
iii	Hard Rock	CuM	2,726.10	2.58	7,033.34
2	Supplying & Filling foundation trenches, plinth & ditches with clean course river sand well watered and rammed in layers not exceeding 23 c.m. in depth with all lead and lift including cost, conveyance, loading, unloading, stacking,royalties and all taxes of sand,cost & conveyance of water, cost of all Labour,labour cess,T&P required for the work etc. complete in all respect as directed by the Engineer- in -charge.	CuM	848.00	200.53	1,70,049.44
3	Back filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20 cm in depth, consolidating each deposited layer by ramming and watering, lead upto 50 m and lift upto 1.5m.	CuM	117.20	34.25	4,014.10
4	Making plinth protection 150 mm thick of cement concrete 1:3:6 (1 cement: 3 coarse sand: 6 graded stone aggregate 20 mm nominal size) over 75mm thick bed of dry brick ballast 40 mm nominal size, well rammed and consolidated and grouted with fine sand, including finishing the top smooth		-	-	-
		SqM	2,392.90	54.00	1,29,216.60
В	PLAIN & REINFORCEMENT CONCRETE		-	-	-

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
	Providing and laying P.C.C[1:4:8] using 4cm size metal				
	etc in foundation and floors using cement , 40 mm size				
	crusher broken H.G.Metal and screened and washed				
1	sharp river sand for mortar of approved quality and	CuM	5,065.50	36.02	1,82,459.31
	from approved quarry including hoisting ,lowering and				
	laying concrete to the required level, ramming				
	,watering and curing etc				
	Providing and laying in position ready mixed M25 grade				
	concrete having compressive strength at 28 days test				
	not lessthan 250kg/sq.cm for reinforced cement				
2	concrete work using cement content as per approved		-	-	-
	design mix etc including Rigid & smooth centering and				
	shuttering.				
	For R.C.C foundation, footing bases of column, mass	CuM	6 126 95	70.61	4 F2 700 88
а	concrete,pre-cast etc.	CuM	6,426.85	70.61	4,53,799.88
b	For R.C.C plinth band etc.	CuM	7,248.30	12.51	90,676.23
С	R.C.C Beam & Coloum		-	-	-
i	Ground Floor	CuM	14,250.80	27.00	3,84,771.60
d	Lintel		-	-	-
i	Ground Floor	CuM	13,529.80	3.38	45,730.72
f	Chaja		-	_	-
i	Ground Floor	Sqm	1,124.27	12.15	13,659.88
9	Roof slab, Landing, Balcony,		-	-	-
i	Ground Floor Cutting ,Straightening coiled or bend up HYSD/TMT	CuM	12,843.80	27.43	3,52,305.43
3	Reinforcement bars welding or jointing if necessary ,				
3	bending ,tying the grills as required for R.C.C works		-	-	-
	etcwinding wire extra				
α	Foundation	Qntl	8,861.00	46.54	4,12,390.94
b	Ground floor	Qntl	8,861.00	73.07	6,47,473.27
С	BRICK WORK		-	-	-
	Fly Ash Brick Masonry in cement mortar of mix				
	(1:6) using Fly Ash bricks of size $25c.m \times 11 c.m \times 8$				
	c.m in Foundation & Plinth having crushing strength				
	not less than 75 kg per square c.m. with cement and				
	screened & washed sharp sand for mortar after				
	immersing the bricks for 6 (Six) hours in water				
1	before use in works with all necessary projections,		-	-	-
	splays cutting, circular moulding, corbelling, chamfering, watering and curing etc. including cost,				
	coveyance,stacking, loading, unloading, royalties , all				
	taxes ,cost of all labour,Labour cess ,scaffolding,				
	sundries and T&P required for the works etc. complete				
	in all respect as directed by the Engineer-in-charge.				
	Foundation and Plinth	CuM	5,097.00	20.30	1,03,469.10
	ו טעוועעווטוו מווע דווווווו	CuM	5,097.00	20.30	1,03,409.10

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
2	Fly Ash Brick Masonry in cement mortar of mix (1:6) using Fly Ash bricks of size 25c.m × 11 c.m × 8 c.m in superstructure having crushing strength not less than 75 kg per square c.m. with cement and screened & washed sharp sand for mortar after immersing the bricks for 6 (Six) hours in water before use in works with all necessary projections, splays cutting, circular moulding, corbelling, chamfering, watering and curing etc. including cost, coveyance, stacking, loading, unloading, royalties, all taxes, cost of all labour, Labour cess, scaffolding, sundries and T&P required for the works etc. complete in all respect as directed by the Engineer-in-charge.		-	-	-
	Ground Floor	CuM	5,130.00	66.30	3,40,119.00
3	Fly Ash Brick masonry in cement mortar of mix [1:4] using Fly Ash bricks of size 25cm12cmx8cm in superstructure having crushing strength not less than 75 kg /m2 etc[Half Brick work]		-	-	-
α	Ground Floor	CuM	5,458.00	1.05	5,730.90
D	PLASTERING & PAINTING		-	-	-
	FLASIERING & FAINTING		-		
1	Providing 12mm. Thick cement plaster in cement mortar or mix(1:6) in all floors at all height with cement & screened and washed sharp river sand for mortar and finished smooth to the rough surface of the brick masonary walls after racking out the joints (alongwith providing grooves wherever necessary) including watering and curing, rounding of corners etc. complete with cost, conveyance, loading, unloading, royalities and taxes of all materials, cost of all labour, T&P, sundries and scaffolding required for the work etc. as directed by the Engineer-in- charge.		-	<u>-</u>	-
α	Ground floor	SqM	152.50	350.49	53,449.73
2	Providing 16mm. Thick cement plaster in cement mortar or mix(1:6) in all floors at all height with cement & screened and washed sharp river sand for mortar and finished smooth to the rough surface of the brick masonary walls after racking out the joints (alongwith providing grooves wherever necessary)including watering and curing, rounding of corners etc. complete with cost, conveyance, loading, unloading, royalities and taxes of all materials, cost of all labour, T&P, sundries and scaffolding required for the work etc. as directed by the Engineer-in- charge.		-	-	_
а					

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
3	Finishing wall surface of wall with cement based wall putty [water based] of approved make and finished smooth and even surface to receive painting including cost etc		-	-	-
а	Ground Floor	SqM	81.61	930.15	75,909.54
4	Providing and applying 2 coats with 100% acrylic emulsion paint on New surface including one coat of primer (exterior quality) of approved make & shade by reputed manufacturer to make an even finished surface over a coat of primer with water bound cement primer in all heights with all scaffolding and staging charges including cost, conveyance, taxes of all materials, cost of all labours, T&P, sundries etc. as required for the work complete.		-	-	-
α	Ground floor	SqM	150.10	371.30	55,732.13
5	Supplying and painting of internal walls and ceiling with two or more coats of ACRYLIC emulsion paint on New surface which includes a coat of primer all complete. The shade and brand to be of approved brand & shade over the surfaces including preparation of surface, with cost of all materials, labour, conveyance taxes of all materials, scaffolding etc., as per the direction of the Engineer-in-charge.		-	-	-
а	Ground floor	SqM	149.30	558.86	83,437.80
6	Painting with synthetic enamel paint over a coat of primer of approved colour, shade and brand on New wood work /steel work in two or more coats as required to give an even shade including an under coat of suitable primer of approved brand and manufacturer including cost of all materials with taxes and transportation, loading, unloading, scaffolding, all labour, Labour cess, sundries, T&P, etc. complete as per the direction of the Engineer-in-charge including filling gaps with putties, scrapping, sand papering and cleaning the surface to make free from rusts, dusts and oily substances before applying primer etc.		-	-	-
а	Ground floor	sqm	216.80	25.20	5,463.36
E	FLOORING		-	-	-
1	A. S flooring under layer of 25mm thick C.C. (1:2:4) with 12mm ize granite chips and top layer of 6mm thick plaster cement red oxide mix using 3.5kg or red oxide per 50 kg of cement 1:3 finished with a floating coat of cement and Red oxide mix of same proportion.		-	-	-
α	Ground floor	SqM	429.00	162.84	69,858.36

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
2	12mm thick cement plaster in CM(1:4) with cement punning for skirting & Dados including all cost. complete with cost, conveyance, royality of all materials and labour with T&P required for the work with royalities, taxes etc.complete in all floors as per direction of Engineer-in-charge.	SqM	174.50	20.57	3,589.47
F	DOOR & WINDOW		-	-	-
1	Providing and fixing unplasticised poly vinyl chloride (UPVC) door in cluding all fittings and cost, conveyance of all materials, labours and T&P required for the work etc, all complete as per direction of engineer in charge.	Sqm	8,963.00	3.15	28,233.45
2	Providing and fixing 30 mm thick factory made single extruded WPC (Wood polymer composite) solid plain flush door shutter of required size fixing with stainless steel butt hinges of required size with necessary full body threaded star headed counter sunk S.S screws, all complete as per direction of engineer in	Sqm	4,424.00	15.75	69,678.00
3	Supplying, fitting, fixing up window (sliding type) made up aluminum Section 9778 as windows frame, section No. 4095, 4096 and 9777, 3994 as shutter frame with rubber beading including locking arrangement including all fitting including cost of materials all taxes labour, T&P etc. complete as per direction of Engineer-incharge. including cost of frosted glass & SS mosquito net.	Sqm	7,648.40	24.30	1,85,856.12
G	STEEL WORK		-	-	-
			-	-	-

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
1	Supplying, fitting and fixing of M.S grills, grill gates with top and bottom rails, (as per I.S. specification and as per approved drawings) in proper position in all floors and at all height including making holes to brick walls/ R.C.C structure/wood work etc. and making good to the damaged walls/ structures with cement concrete (1:2:4) with black hard crusher broken granite stone chips of 12mm to 20mm size (20mm size not to exceeds 25%) including watering and curing including cost, conveyance, loading, unloading, stacking, royalties and taxes of all materials, cost of all Labour, Labour cess, Sundries, T&P required for the work etc.complete as per the direction of Engineer in charge (W.I. / M.S. windows grills, grill gates, collapsible gates with top and bottom rails, steel windows, steel doors, steel frames for doors and windows, staircase and parapet railings square bar along with required nos. of nails and screws and other required materials of approved quality and approved size shall be supplied by the contractor at his own cost.)	KG	89.50	864.00	77,328.00
2	Supplying, fitting and fixing of Stainless steel of 304 grade in hand railing using 50mm dia of 2mm thick circular pipe with balustrade of size 32mmx32mmx2mm @ 0.90mtr.C/C and stainless square pipe bracing of size 32mmx32mmx2mm in 3 rows in stair case as per approved design and specification ,buffing, polishing etc with cost,conveyance,taxes of all materials, labour, T & P etc. requird for the complete in all respect.	Rmt	3,524.00	22.50	79,290.00
- 11	Condition of the same		-	-	-
1	Grading plaster 2.5 cm thick grading Plaster (1:4) on roof slab with 6mm size HG chips including all cost, conveyance, royalty & taxes etc.comp.to work site for new work as per the specification approved by the department & direction of E.I.C	sqm	387.30	215.00	83,269.50
	TOTAL CIVIL WORK				43,55,091.03
2	PLUMBING AND SANITARY WORK				
	INTERNAL PH WORKS				

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
1	Supplying all materials, labour and T&P for fitting and fixing white glazed vitreous china porcelain Indian Pan water closet of size 23" of approved make confirming to IS-2556 and top inlet for sinking into floor with 100mm PVC 'P' trap etc. including supply of necessary cement concrete for fitting the closet etc. complete in all respect in all floors including cost, conveyance and taxes of all materials etc. complete and as per PH specification and direction of Engineer-in-charge.				
		Nos	5,609.12	2.00	11,218.24
2	Supplying all materials, labour and T&P for fitting and fixing white glazed vitreous china porcelain flat back urinal pan of approved make confirming to IS-2556 and top inlet for sinking into floor with 100mm PVC 'P' trap etc. including supply of necessary cement concrete for fitting the closet etc. complete in all respect in all floors including cost, conveyance and taxes of all materials etc. complete and as per PH specification and direction of Engineer-in-charge including marble partition in between urinals.		-	-	-
	Supplying all materials, labour, T&P and fixing standard	Nos	12,288.40	2.00	24,576.80
3	sized shower (bath shower) of approved make etc complete including cutting the wall and making good the damages, including cost of all materials complete as per PH specification and direction of Engineering-incharae.		-	-	-
		Nos	993.00	2.00	1,986.00
4	fixing white glazed vitreous china porcelain wash basin of size 450mm × 300mm of approved make confirming to IS-2556 and top inlet for sinking into floor with 100mm PVC 'P' trap etc. including supply of necessary cement concrete for fitting the closet etc. complete in all respect in all floors including cost, conveyance and taxes of all materials etc. complete and as per PH specification and direction of Engineer-in-charge		<u>-</u>	<u>-</u>	<u>-</u>
		Nos	9,150.40	4.00	36,601.60
5	Supplying all materials, labour, T&P and fixing standard sized CP Bib cock of approved make etc complete including cutting the wall and making good the damages, including cost of all materials complete as per PH specification and direction of Engineering-in-charge.		-	-	-
		Nos	1,873.00	4.00	7,492.00

Item No/5.No	Description of work	Unit	Rate	Quantity	Amount
6	Supplying all materials, labour, T&P and fixing standard sized 15mm dia Angular Stop cock of approved make etc complete including cutting the wall and making good the damages, including cost of all materials complete as per PH specification and direction of Engineering-incharge.		-	-	-
		Nos	1,158.40	4.00	4,633.60
7	Supplying all materials, labour, T&P and fixing standard 15mm sized pillar cock of approved make etc complete including cutting the wall and making good the damages, including cost of all materials complete as per PH specification and direction of Engineering-in-charge.		-	-	-
		Nos	1,626.00	4.00	6,504.00
8	Supplying all materials, labour, T&P and fixing standard sized Long body 15mm dia CP Bib cock of approved make etc complete including cutting the wall and making good the damages, including cost of all materials complete as per PH specification and direction of Engineering-in- charge.	Nos	2,107.00	4.00	8,428.00
	T. D. 17:		-	-	-
9	Supplying all materials, labour, T&P and fixing standard sized two way CP Bib cock of approved make etc complete including cutting the wall and making good the damages, including cost of all materials complete as per PH specification and direction of Engineering-incharge.	Nos	1,873.40	2.00	3,746.80
10	Supplying all materials, labour, T&P and fixing standard sized shower (Health Faucet) of approved make etc complete including cutting the wall and making good the damages, including cost of all materials complete as per PH specification and direction of Engineering-incharge.	Nos	993.00	2.00	1,986.00
11	Supplying all materials, labour, T&P and fixing standard sized Chromium Plated brass towel rail complete with Chromium Plated brass brackets fixed to wooden plugs with Chromium Plated brass screws as per specification and direction of the Engineer in charge	Nos	1,369.70	2.00	2,739.40
12	Fixing 600x450mm bevelled edge mirror of superior glass mounted on 6mm thick A.C sheet or plywood sheet and fixed to wooden plugs with Chromium Plated brass screws and washers complete as per specification and direction of the Engineer in charge	1403	-	-	-
		NOS	1,841.80	4.00	7,367.20

Supplying all materials, labours, T&P and fitting and fixing of the following size of CPVC pipe confirming to IS 15778 certification mark with socket and screw joints in walls and floors including supplying of required number of fittings of approved make including cutting threads to pipes and pipes to length, including wastage,etc for fitting to the walls with supply of holder ats, clamps, fixing wooden plugs in walls, including testing of pipe line for water tightness complete as per IS specification including cost, conveyance and taxes of all materials all complete as per PH specification and direction of Engineer-in- a 25 mm dia R.mtr 563.20 20.00 7,370.1 b 32 mm dia R.mtr 563.20 20.00 11,264.1 c 40mm dia R.mtr 563.20 20.00 11,264.1 froviding all materials, labour, Fitting & fixing of CPVC Ball Valve with CTS socket. Make: Prince) a 25mm Dia Nos 842.00 1.00 842.1 b 32mm Dia Nos 1,589.00 1.00 1,589.00 c 40mm dia Nos 1,589.00 1.00 2,391.1 Supplying all materials, labours, T&P for cutting holes through existing brickwork including making good the damages in cement mortar (1:4) for taking 6I pipes and fittings/PVC pipes and fittings etc all complete as per PH specification and direction of Engineer-in-charge. Nos 55.60 2.00 111. Supplying all materials, labours, T&P for cutting holes through existing PCC floors & roofs including making good the damages for taking 6I pipes and fittings/PVC pipes and fittings etc all complete as per PH specification and direction of Engineer-in-charge.	Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
Supplying all materials, labours, T&P and fitting and fixing of the following size of CPVC pipe confirming to IS 15778 certification mark with socket and screw joints in walls and floors including supplying of required number of fittings of approved make including cutting threads to pipes and pipes to length, including threads to pipes and pipes to length, including wastage,etc for fitting to the walls with supply of holder ats, clamps, fixing wooden plugs in walls, including testing of pipe line for water tightness complete as per IS specification including cost, conveyance and taxes of all materials all complete as per PH specification and direction of Engineer-in- a 25 mm dia R.mtr 563.20 20.00 77,3701 b 32 mm dia R.mtr 563.20 20.00 11,264.1 c 40mm dia R.mtr 563.20 20.00 11,642.1 froviding all materials, labour, Fitting & fixing of CPVC Ball Valve with CTS socket. Make: Prince) a 25 mm bia Nos 842.00 1.00 842.0 b 32 mm bia Nos 1,589.00 1.00 842.0 c 40mm dia Nos 1,589.00 1.00 1,589.0 c 40mm dia Nos 2,391.00 1.00 2,391.0 Supplying all materials, labours, T&P for cutting holes through existing brickwork including making good the damages in cement mortar (1:4) for taking 6I pipes and fittings/PVC pipes and fittings etc all complete as per PH specification and direction of Engineer-in-charge. Nos 55.60 2.00 111. Supplying all materials, labours, T&P for cutting holes through existing BCC floors & roofs including making good the damages for taking 6I pipes and fittings/PVC pipes and fittings etc all complete as per PH specification and direction of Engineer-in-charge.	13	fixing of Poly Propelene white double layer water storage Tank of approved make confirming to IS 12701-1996 including cutting holes through the tank and fixing mild steel tubes and fittings and providing extra sockets and jam nuts, fixing ball valve etc including hoisting upto terrace level and placing the tank to the required position etc all complete as per PH specification and direction of Engineer-in-charge. (To provided with brick masonary guard walls which will be		-	-	-
fixing of the following size of CPVC pipe confirming to IS 15778 certification mark with socket and screw joints in walls and floors including supplying of required number of fittings of approved make including cutting threads to pipes and pipes to length, including wastage,etc for fitting to the walls with supply of holder ats, clamps, fixing wooden plugs in walls, including testing of pipe line for water tightness complete as per IS specification including cost, conveyance and taxes of all materials all complete as per PH specification and direction of Engineer-in- a 25 mm dia R.mtr 368.50 20.00 7,370. b 32 mm dia R.mtr 563.20 20.00 11,264.1 c 40mm dia R.mtr 732.10 20.00 14,642.1 froviding all materials, labour, Fitting & fixing of CPVC 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	α	2000 ltr	Nos	25,364.70	1.00	25,364.70
fixing of the following size of CPVC pipe confirming to IS 15778 certification mark with socket and screw joints in walls and floors including supplying of required number of fittings of approved make including cutting threads to pipes and pipes to length, including wastage,etc for fitting to the walls with supply of holder ats, clamps, fixing wooden plugs in walls, including testing of pipe line for water tightness complete as per IS specification including cost, conveyance and taxes of all materials all complete as per PH specification and direction of Engineer-in- a 25 mm dia R.mtr 368.50 20.00 7,370. b 32 mm dia R.mtr 563.20 20.00 11,264.1 c 40mm dia R.mtr 732.10 20.00 14,642.1 froviding all materials, labour, Fitting & fixing of CPVC 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0					-	-
a 25 mm dia R.mtr 368.50 20.00 7,370.1 b 32 mm dia R.mtr 563.20 20.00 11,264.1 c 40mm dia R.mtr 732.10 20.00 14,642.1 15 Providing all materials, labour, Fitting & fixing of CPVC Ball Valve with CTS socket. Make: Prince) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	14	fixing of the following size of CPVC pipe confirming to IS 15778 certification mark with socket and screw joints in walls and floors including supplying of required number of fittings of approved make including cutting threads to pipes and pipes to length, including wastage, etc for fitting to the walls with supply of holder ats, clamps, fixing wooden plugs in walls, including testing of pipe line for water tightness complete as per IS specification including cost, conveyance and taxes of all materials all complete as		-	-	-
b 32 mm dia R.mtr 563.20 20.00 11,264.1 c 40mm dia R.mtr 732.10 20.00 14,642.1 15 Providing all materials, labour, Fitting & fixing of CPVC Ball Valve with CTS socket. Make: Prince) a 25mm Dia Nos 842.00 1.00 842.1 b 32mm Dia Nos 1,589.00 1.00 1,589.00 c 40mm dia Nos 2,391.00 1.00 2,391.0 Supplying all materials, labours, T&P for cutting holes through existing brickwork including making good the damages in cement mortar (1:4) for taking GI pipes and fittings/PVC pipes and fittings etc all complete as per PH specification and direction of Engineer-in-charge. Nos 55.60 2.00 111. Supplying all materials, labours, T&P for cutting holes through existing RCC floors & roofs including making good the damages for taking GI pipes and fittings/PVC pipes and fittings etc all complete as per PH specification and direction of Engineer-in-charge.	α		R.mtr	368.50	20.00	7,370.00
c 40mm dia R.mtr 732.10 20.00 14,642.1 15 Providing all materials, labour, Fitting & fixing of CPVC Ball Valve with CTS socket. Make: Prince) a 25mm Dia Nos 842.00 1.00 842.0 b 32mm Dia Nos 1,589.00 1.00 1,589.0 c 40mm dia Nos 2,391.00 1.00 2,391.0 Supplying all materials, labours, T&P for cutting holes through existing brickwork including making good the damages in cement mortar (1:4) for taking GI pipes and fittings/PVC pipes and fittings etc all complete as per PH specification and direction of Engineer-in-charge. Nos 55.60 2.00 111. Supplying all materials, labours, T&P for cutting holes through existing RCC floors & roofs including making good the damages for taking GI pipes and fittings/PVC pipes and fittings etc all complete as per PH specification and direction of Engineer-in-charge.	ь	32 mm dia				11,264.00
Providing all materials, labour, Fitting & fixing of CPVC Ball Valve with CTS socket. Make: Prince) a 25mm Dia Nos 842.00 1.00 842.0 b 32mm Dia Nos 1,589.00 1.00 1,589.0 c 40mm dia Nos 2,391.00 1.00 2,391.0 Supplying all materials, labours, T&P for cutting holes through existing brickwork including making good the damages in cement mortar (1:4) for taking GI pipes and fittings/PVC pipes and fittings etc all complete as per PH specification and direction of Engineer-in-charge. Nos 55.60 2.00 111. Supplying all materials, labours, T&P for cutting holes through existing RCC floors & roofs including making good the damages for taking GI pipes and fittings/PVC pipes and fittings etc all complete as per PH specification and direction of Engineer-in-charge.	С	40mm dia	R.mtr			14,642.00
b 32mm Dia Nos 1,589.00 1.00 1,589.0 c 40mm dia Nos 2,391.00 1.00 2,391.0 Supplying all materials, labours, T&P for cutting holes through existing brickwork including making good the damages in cement mortar (1:4) for taking GI pipes and fittings/PVC pipes and fittings etc all complete as per PH specification and direction of Engineer-in-charge. Nos 55.60 2.00 111. Supplying all materials, labours, T&P for cutting holes through existing RCC floors & roofs including making good the damages for taking GI pipes and fittings/PVC	15					-
c 40mm dia Nos 2,391.00 1.00 2,391.0 Supplying all materials,labours,T&P for cutting holes through existing brickwork including making good the damages in cement mortar (1:4) for taking GI pipes and fittings/PVC pipes and fittings etc all complete as per PH specification and direction of Engineer-in-charge. Nos 55.60 2.00 111. Supplying all materials,labours,T&P for cutting holes through existing RCC floors & roofs including making good the damages for taking GI pipes and fittings/PVC	α	25mm Dia	Nos	842.00	1.00	842.00
Supplying all materials, labours, T&P for cutting holes through existing brickwork including making good the damages in cement mortar (1:4) for taking GI pipes and fittings/PVC pipes and fittings etc all complete as per PH specification and direction of Engineer-in-charge. Nos 55.60 2.00 111. Supplying all materials, labours, T&P for cutting holes through existing RCC floors & roofs including making good the damages for taking GI pipes and fittings/PVC pipes and fittings etc all complete as per PH specification and direction of Engineer-in-charge.	Ь	32mm Dia	Nos	1,589.00	1.00	1,589.00
through existing brickwork including making good the damages in cement mortar (1:4) for taking GI pipes and fittings/PVC pipes and fittings etc all complete as per PH specification and direction of Engineer-in-charge. Nos 55.60 2.00 111. Supplying all materials,labours, T&P for cutting holes through existing RCC floors & roofs including making good the damages for taking GI pipes and fittings/PVC pipes and fittings etc all complete as per PH specification and direction of Engineer-in-charge.	С	40mm dia	Nos	2,391.00	1.00	2,391.00
Supplying all materials,labours,T&P for cutting holes through existing RCC floors & roofs including making good the damages for taking GI pipes and fittings/PVC pipes and fittings etc all complete as per PH specification and direction of Engineer-in-charge.	16	through existing brickwork including making good the damages in cement mortar (1:4) for taking GI pipes and fittings/PVC pipes and fittings etc all complete as per		-	-	-
through existing RCC floors & roofs including making good the damages for taking GI pipes and fittings/PVC pipes and fittings etc all complete as per PH specification and direction of Engineer-in-charge.			Nos	55.60	2.00	111.20
Mag 1/7 40 2.00 334	17	through existing RCC floors & roofs including making good the damages for taking GI pipes and fittings/PVC pipes and fittings etc all complete as per PH		-	-	-
1 1 1003 1 10/401 / 001 334 (Nos	167.40	2.00	334.80

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
18	Supplyng all materials, labour, T&P for construction of brick masonary Gulley trap chamber of size300mm x 300mm with CI gulley trap, by Fly ash brick masonry in CM (1:4), CP (1:6) with 150mm x 150mm CI grating including labour and materials for fitting and fixing 100mm dia square mouth CI gully trap with supply of all jointing materials and encasing the gully trap with a block of CC (1:4:8) with 25mm size hard stone metal all complete with providing and fixing of 250mm x 250mm precast RCC cover slab including cost, conveyance, taxes of all materials to site complete as per the PH specification and direction of Engineer-in-charge.		-		-
		Nos	3,586.00	2.00	7,172.00
19	Providing all materials labour, T&P for making grooves in bricks/stone masonary walls vertically or horizontally up to required depth and width in all floor for laying of pipes and fittings up to 50mm dia, testing the joints with required water pressure and making good the damages with cement concrete 1:2:4 with 12mm size h.g.c.b.chips and finished smooth with cement morter (1:4) to original shape including cost of all materials, curing, conveyance of all materials etc. all complete excluding GST as per specification & direction of Engineer-in-charge.		0.00	0.00	-
	5	Rmt	249.70	20.00	4,994.00
20	External PH Supplying all materials, labours, T&P and fitting and fixing of the following size of CPVC pipe confirming to IS 15778 certification mark with socket and screw joints in walls and floors including supplying of required number of fittings of approved make including cutting threads to pipes and pipes to length, including wastage, etc for fitting to the walls with supply of holder ats, clamps, fixing wooden plugs in walls, including testing of pipe line for water tightness complete as per IS specification including cost, conveyance and taxes of all materials all complete as per PH specification and direction of Engineer-in-		-	-	<u>-</u>
a	50mm dia	Rmt	1,153.60	10.00	11,536.00

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
21	Supplying all materials & labour, T&P and constructing brick masonary chamber for water sluice valve, single air valve & non return valve with Fly ash brick masonary in cement mortar (1:4) as per approved drawing and specification CC (1:4:8) with 4cm size hard granite metal on the bed, 12mm cement plaster (1:6) to inside and cement flush pointing (1:6) to outside surface with 100mm thick RCC M20 cover slab with 20mm hg chips using required quantity of tor steel, centring and shuttering to the slab and dismantling it after 31 days of casting, filling the outside cavity with excavated materials, watering, curing including cost, conveyance, taxes of all materials, labour charges for cutting, bending, binding and tying the grills in proper position etc all complete as per drawing, design and direction of Engineer-in-charge.		-	-	-
α	Chamber (0.75x0.75x0.7mtr)	Nos	9,729.00	1.00	9,729.00
			-		-
22	Supplying all materials, labour, T&P and fitting and fixing of double air valve of 50mm Dia confirming to the relevant IS specification and dimension including fixing it in position along the pipeline with supply of all required materials such as rubber insertion, nuts & bolts including cost of all materials, taxes, and duties, transportation charges from store to site etc all complete as per the direction of Engineer-in-charge.		-	-	-
		Nos	4,111.90	1.00	4,111.90
23	Supply, installation, testing and commissioning of automatic star delta control panel suitable for 2 HP pumpset including MS box fitted with main switch ,contactor, single phasing preventer, timer, selector switch, voltmetre, ammeter etc and connection with motor inside the sump with suitable cable etc complete as per the Direction of Engineer-in-charge. (Excluding power supply)(MR)		-	-	-
		Set	14,500.00	1.00	14,500.00
	Septic Tank		-	-	-
24	Earth work in excavation in Hard rock by mechanical means (Hydraullic excavator)/ manual means overareas (exceeding 30 cm in depth, 1.5 m in width as well as 10sqm on plan) inculding disposal of excavated earth up to 50 m and lift upto 1.5m with all lead and lift including shoring, shuttering & dewatering (if required) with cost of all Labour, Labour cess ,Hire & Running charges of the water pumps, T & P required for the work complete as directed by the Engineer- in- charge.		-	-	-

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
α	Earth work excavation beyond 1.50mtr depth	CuM	210.97	6.00	1,265.82
25	Supplying and filling the Foundation & Plinth with clean coarse river sand of approved quality from approved quarry, laying in layers not exceeding 150mm thick, watering and ramming including cost, conveyance, royalty and taxes of all materials, cost of all labour, T&P etc. as required for the work complete as per direction of the Engineer-in-charge.		-	-	-
		CuM	848.00	2.73	2,315.04
26	Providing & laying cement concrete of prop. (1:4:8) in foundation bed and floors using 40mm nominal size down graded, screened, washed hard black crusher broken granite metal of approved quality & from approved quarry including laying in the layers not exceeding 100 mm thick etc. Providing and laying in position ready mixed M25 grade	CuM	5,065.50	0.75	3,799.13
27	Providing and laying in position ready mixed M25 grade concrete having compressive strength at 28 days test not lessthan 250kg/sq.cm for reinforced cement concrete work using cement content as per approved design mix etc		-	-	-
α	Foundation	CuM	6,426.85	1.00	6,426.85
Ь	RCC Wall	CuM	7,248.30	2.03	14,714.05
C	Slab	CuM	12,843.80	1.00	12,843.80
28	Cutting,straightening coiled or bent up HYSD/TMT Reinfocement Bars welding or jointing if necessary bending binding tying the grills as etc	Qntl	8,861.00	3.60	31,899.60
29	bending, binding, tying the grills as etc Providing 12mm. thick cement plaster with cement mortar of mix (1:4) in all floors cement and with screened and washed sharp sand for mortar with neat cement punning finished smooth to brick/RCC walls after racking out the joints including watering and curing complete with cost etc.		-	-	-
	Description and leading of D.C. of 1/3/4 with 13 mm sing	SqM	152.50	12.18	1,857.45
30	Providing and laying of P.C.C. of 1:3:6 with 12 mm size hard granite metal in foundation trenches, under floors in line level including curing and ramming etc. all complete as per the direction of the Engineer-in-charge		0	0	-
		Sqm	6,176.00	0.34	2,099.84
31	Finishing walls with water proofing cement paint of approved shade on new work Two coat to give an even shade		-	-	-
32	Back filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20 cm in depth, consolidating each deposited layer by ramming and watering, lead upto 50 m and lift upto 1.5m.	Sqm	37.90	12.18	461.62 -
	III GIIG III I GDIO 1.0III.	CuM	117.20	5.55	650.46
	Soak Pit				

Item No/S.No	Description of work	Unit	Rate	Quantity	<i>A</i> mount
33	Supplying and filling the Foundation & Plinth with clean coarse river sand of approved quality from approved quarry, laying in layers not exceeding 150mm thick, watering and ramming including cost, conveyance, royalty and taxes of all materials, cost of all labour, T&P etc. as required for the work complete as per direction of the Engineer-in-charge.		-	-	-
	an ection of the Engineer-in-charge.	CuAA	949.00	1.00	9.49.00
	Providing & laying cement concrete of prop. (1:4:8) in	CuM	848.00	1.00	848.00
34	foundation bed and floors using 40mm nominal size down graded, screened, washed hard black crusher broken granite metal of approved quality & from approved quarry including laying in the layers not	CuM	5,065.50	0.62	3,140.61
35	exceeding 100 mm thick etc Providing and laying in position ready mixed M25 grade concrete having compressive strength at 28 days test not lessthan 250kg/sq.cm for reinforced cement concrete work using cement content as per approved		-	-	-
α	<u>desian mix etc</u> Foundation	CuM	6,426.85	0.32	2,056.59
36	Providing 12mm. thick cement plaster with cement mortar of mix (1:4) in all floors cement and with screened and washed sharp sand for mortar with neat cement punning finished smooth to brick/RCC walls after racking out the joints including watering and curing complete with cost. etc.		-	-	-
		SqM	270.80	1.36	368.29
37	Providing and laying of P.C.C. of 1:3:6 with 12 mm size hard granite metal in foundation trenches, under floors in line level including curing and ramming etc. all complete as per the direction of the Engineer-in-		0	0	-
	<u>charge</u>	Sqm	8,314.20	0.62	5,154.80
38	Fly Ash Brick Masonry in cement mortar of mix (1:6) using Fly Ash bricks of size 25c.m x 12 c.m x 8 c.m in Foundation & Plinth having crushing strength not less than 75 kg per square c.m. with cement and screened & washed sharp sand for mortar after immersing the bricks for 6 (Six) hours in water before use in works with all necessary projections, splays cutting, circular moulding, corbelling, chamfering, watering and curing etc. including cost, coveyance, stacking, loading, unloading, royalties, all taxes, cost of all labour, Labour cess, scaffolding, sundries and T&P required for the works etc. complete in all respect as directed by the Engineer-in-charge.		-	-	<u>-</u>
	, , ,	CuM	5,397.00	6.37	34,378.89

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
39	Supplying all materials, labour, T&P, fitting and fixing uPVC SWR pipes (Type-B)(Co-moulded Ring type) of approved make confirming to IS-13592/1992with ISI marked, both below & above ground level or fixing on wall surface in all floors including transportation & scaffolding etc. all complete as per specification excluding GST & direction of the Engineer-in-charge.		0	0	-
а	Pipe 110mm dia	R.Mtr	828.11	30.00	24,843.30
Ь	110mm×110mm 'P' Trap (Make:Astral)	nos	494.00	2.00	988.00
С	110mm dia single 'Y' withoutdoor	nos	479.00	2.00	958.00
d	110mm WC connector/Bend with lip ring	nos	360.00	2.00	720.00
е	110mm Socket plug	nos	180.00	2.00	360.00
f	Upvc Elbow	nos	786.00	2.00	1,572.00
40	Sinking of 200 mm ×150mm size production well through DTH or combination drilling riges in hard rock area with PVC or GI casing pipes. 120mtr depth (1nos)	L.S	2,00,000.00	1.00	2,00,000.00
41	Supplying, fitting and fixing of Antiskid Ceramic Floor Tiles in flooring using special plain / printed series Ceramic Floor Tile of premium grade (having minimum thickness 7 mm to 8 mm & size 300 mm × 300 mm OR 600 mm ×600 mm, confirming to I.S 13755 of approved quality and shade in floors, treads on steps and landings on 25 m.m thick bed of cement mortar of mix (1:1) laid in proper slope and gradient with screened & washed sharp etc		-	-	-
	Ground floor	SqM	1,153.90	17.88	20,631.73
42	Supplying, fitting and fixing of ceramic glazed wall Tiles in skirting dado, risers of step and wall using special plain / printed series Ceramic wall Tile of premium grade (having minimum thickness 6.5 mm to 6.7 mm & size 300 mm x 300 mm OR 600mm x300 mm,		-	-	-
	Ground floor	SqM	1,317.60	68.46	90,202.90
	TOTAL of internal PH WORK[I]				6,97,788.01
3	ELECTRICAL WORK				·

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount .
1	Wiring for light point/ fan/ exhaust fan point/ call bell point with 1.5 sqmm FRLS PVC insulated copper conductor single core cable in surface / recessed 2 mm thick PVC conduit with modular switch and earthing the point with 1.5 sqmm FRLS PVC insulated copper conductor single core cable including providing modular box with cover of requisite number of modules including providing cover plates as required. Make Conduit:Norepack/Precision/AKG Wire-KEI/Havells/Finolex Switch/socket-Legrand (myrius)/Panasonic(vision)/schneider(zencelo)		-	-	-
a)	Single light point controlled by one 6A switch or first light point of group control.	Each	785.00	20.00	15,700.00
b)	Subsequent point of group control	Each	515.00	4.00	2,060.00
2	Supplying and fixing two module steeped type electronic fan regulator with proper modular plate switch box including connections etc. as required. Switch/socket-Legrand (myrius)/Panasonic(vision)/schneider(zencelo)	Nos.	653.00	2.00	1,306.00
3	Supplying and fixing 6 Amp plug with 6 Amp switch (Modular Type) on existing board.	Nos.	356.00	8.00	2,848.00
4	Supplying and fixing including testing and commissioning of 6A modular socket outlet with 6 Amp switch including providing GI modular box with faceplate etc as required.		-	-	-
a)	1 nos 6 Amp 3-pin socket with 6 Amp switch.	Nos.	512.00	8.00	4,096.00
b)	2 nos 6 Amp 3-pin socket with 2 nos 6 Amp switch.	Nos.	909.00	6.00	5,454.00
5	Supply, installation, testing & commissioning of 6 / 16 Amp Plug Boards consisting of a 16 Amp clip-in type modular switch with indicator and a 6/16 Amp clip-in type modular socket fixed on metallic concealed box including interconnections and making good the damages caused complete as required and as per direction of Engineer-in-charge. Supplying, installation, testing & commissioning of 25		652.00	8.00	5,216.00
6	amp modular socket outlet on surface or in recess, on 1 Nos two module GI box with plate for socket point and one nos two module GI Box with face plate for switch etc. complete as direction of Engineer-in-charge. As per Crabtree(cat no-ACTO202504) or equivalent of Learand/Schneider		1,330.15	4.00	5,320.60
7	Wiring for circuit/ submain wiring along with earth wire of following size of FRLS heavy gauge PVC insulated copper conductor single core cable in heavy duty PVC conduit laid in surface/ recess as required.		-	-	-
a)	2X2.5 + 1X2.5 sqmm FRLS Cu wire (for Light circuit wiring)	mtr	233.05	75.00	17,478.75

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
b)	double core 4 sq mm. copper wire for phase and neutral	mtr	386.00	20.00	7,720.00
c)	double core 6 sq mm. copper wire for phase and neutral	mtr	452.05	20.00	9,041.00
8	Supply, delivery and fixing of Ceiling fan hook box made out of 18 swg GI sheet and containing 10 mm dia round ms bar projecting atleast 150mm on either side & duly bent to accommodate ceiling fan down rod bolt & having earthing arrangement as per direction of Engineer-in-charge.	Nos.	150.00	10.00	1,500.00
9	36Watt LED Light fitting (3300 Lumen) for PHILIPS .(CAT No:RC365B LED33- 6500 PSU OD WH)/Equivalent of Halonix/Panasonic/crompton as required	Each	3,983.00	10.00	39,830.00
10	20Watt LED Surface/suspended Battern Linear Luminaire (2000 Lumen) PHILIPS (CAT No:WT150C LED20S-6500 PSE OD GR) / Equivalent of Halonix/Panasonic/crompton	Each	1,753.00	10.00	17,530.00
11	6Watt LED Light fitting (600 Lumen) PHILIPS (CAT No:DN191B LED6S-6500 PSU WH S1) / Equivalent ofHalonix/Panasonic/crompton	Each	1,231.00	4.00	4,924.00
12	Supplying, installation, testing and commissioning of ceiling fan (5 star rating) including wiring the down rod, earthing etc as required (Make : Bajaj/Usha/		-	-	-
(a)	Crompton/ Orient/ Khaitan/ Havells). 1200 mm sweep	Nos.	2,656.00	10.00	26,560.00
13	Supplying, installation, testing and commissioning of Exhaust fan / fresh air fan with louvre (Make - Bajaj/Usha/ Crompton/ Orient/ Khaitan/ Havells) as required.		-	-	-
a)	225 mm sweep fibre body fresh air fan	Nos.	1,753.00	2.00	3,506.00
14	Supplying, installation, testing and commissioning of Split Air Conditioner (Make -DAIKINI/VOLTAS/BLUE STAR/as required.	Nos.	55,000.00	4.00	2,20,000.00
15	Supplying and fixing following way, TP and neutral, sheet steel, MCB distribution board, IP-43,IK09 with metal door ,415 V, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCBOs/ISOLATORS) Make- Legrand(Ekinoxe3/siemens(Betaguard)/Schneider Acti9		-	-	-
a)	6 way, Double door	Nos.	4,631.00	2.00	9,262.00

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
16	Supplying and fixing following way, single pole and neutral, sheet steel, MCB distribution board, IP-43, IK-09, 240 V, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCBOS/ISOLATORS)		-		-
a)	12 way, Double door	Each	2,523.00	2.00	5,046.00
17	Supplying and fixing following rating RCBOs/ MCBs in the existing DB complete with connections, testing and commissioning etc. as required Make-Legrand/L&T/ABB		-	-	
c)	6 Amp to 32 Amp, 10 KA SP MCB (C-Curve)	Each	305.00	2.00	610.00
18	Supplying and fixing of following sizes of heavy gauge PVC conduit along with accessories in surface/recess including cutting the wall and making good the same in case of recessed conduit as required.		-	1	
a)	20 mm	mtr	52.00	100.00	5,200.00
19	Earthing with GI earth pipe 4.5 meter long,40mm dia incluiding accessories and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc with charcoal/coke and salt as required	Nos.	5,809.32	1.00	5,809.32
20	Providing and fixing 25 mm X 5mm GI strip on surface or in recess for connection etc as required.	Mtr	129.00	5.00	645.00
21	Providing and fixing 6 SWG GI wire on surface or in recess for loop earthing along with surface/recessed MS Conduit/submain wiring/cables etc as required.	Mtr	37.00	5.00	185.00
	Tabli Florida I Amount		-	-	4 17 047 77
	Total Electrical Amount		-	-	4,16,847.67
4	FIRE FIGHTING SYSTEM		_	-	
			-	-	
1	Supplying installation testing and commissioning of ABC type fire extinguishers of 6 kg capacity confirming to IS:14609 & ABC powder confirming IS:13849 presurized with Nitrozen Gas marked.including cost of all material & labour for all floors & service building etc. all complete. Make-KANEX/FIRE SHILD /SAFEX or equivalent	Nos	3,264.00	2.00	6,528.00

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
2	Supplying, installation, testing and commissioning of CO_2 type Fire Extinguisher 4.5 kg capacity confirming to IS: 2878 made from ISI marked seamless cylinder confirming to IS: 7285, fitted with ISI marked controlled valve confirming to IS: 3224, high pressure 1mtr discharge hose & horn complete with initial gas charged with carrying handle & wall mounting bracket for all floors & service building etc. as per direction of Engineer-in-charge.Make-KANEX/FIRE SHILD /SAFEX or equivalentor equivalent	Nos	7,700.00	2.00	15,400.00
3	Supplying, installation, testing and commissioning of Mechanical Foam type 9 litre capacity Fire Extinguisher, ISI marked, IS: 10204, containing 540 ml AFFF liquid ISI marked, IS: 4989 Part II and a polyurethane coated CO2 Gas Cartridge, ISI marked, IS: 4947 complete with gunmetal union cap, nylon hose with plastic foam making branch and wall mounting bracket as per direction of Engineer-in-charge.	Each	3,659.00	2.00	7,318.00
4	Sand Buket as per IS Specicification	Each	500.00	3.00	1,500.00
5	Buket Stand to Store 10 nos of Buket also having Aluminium sheet above the to prevent the stand from rain/sunst.	Nos	2,820.00	1.00	2,820.00
	Total Fire Fighting Amount				33,566.00

TENDER FOR CONSTRUCTION OF MULTI-PURPOSE CENTRE (MPC) AT VARIOUS LOCATIONS FOR DISTRICT OF RAYAGADA, ODISHA (2nd call)

NIT No: PCO/BBSR/980/200 Date- 26.09.2024

CONSTRUCTION OF MULTI-PURPOSE CENTRE (MPC) AT SARGIASING, KUTUNI, TOLANA, GUNUPUR IN THE DISTRICT OF RAYAGADA

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
	Architectural Consultancy Services	Lot	54733.72	1	54733.72
	Sub Total				54733.72
1	CIVIL WORKS				
Α	EARTH WORK				
	Earth work in stoney earth and gravels mixed with				
	stone and boulder not exceeding 0.014 cum in volume				
	within 50m initial lead and 1.5m initial lift including				
1	rough dressing and breaking clods to maximum 5cm to				
	7cm and laying in layer not exceeding 0.3m in depth and				
	as per specification approved by the dept.				
i	Ordinary Soil	CuM	210.97	199.40	42,067.42
ii	Soft Rock	CuM	329.01	51.15	16,828.86
iii	Hard Rock	CuM	2,726.10	2.56	6,978.82
	Supplying & Filling foundation trenches , plinth &				
	ditches with clean course river sand well watered and			193.64	
	rammed in layers not exceeding 23 c.m. in depth with all				
	lead and lift including cost, conveyance, loading,	ا ا			4 74 055 50
2	unloading, stacking, royalties and all taxes of sand, cost	CuM	887.50		1,71,855.50
	& conveyance of water, cost of all Labour,labour				
	cess,T&P required for the work etc. complete in all				
	respect as directed by the Engineer- in -charge.				
	Back filling available excavated earth (excluding rock)				
	in trenches, plinth, sides of foundations etc. in layers				
3	not exceeding 20 cm in depth, consolidating each	CuM	117.20	34.20	4,008.24
	deposited layer by ramming and watering, lead upto 50				
	m and lift upto 1.5m. Making plinth protection 150 mm thick of cement				
	concrete 1:3:6 (1 cement: 3 coarse sand: 6 graded				
4	stone aggregate 20 mm nominal size) over 75mm thick		_	-	-
	bed of dry brick ballast 40 mm nominal size, well				
	rammed and consolidated and grouted with fine sand,				
	including finishing the top smooth	ScAA	2 202 00	51.75	1 22 022 50
В	PLAIN & REINFORCEMENT CONCRETE	SqM	2,392.90	51.75	1,23,832.58
Б	LENTIN & KETINLOKCEWEIN I COINCKE IE		-	-	-

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
	Providing and laying P.C.C[1:4:8] using 4cm size metal				
	etc in foundation and floors using cement , 40 mm size				
	crusher broken H.G.Metal and screened and washed				
1	sharp river sand for mortar of approved quality and	CuM	5,149.80	34.35	1,76,895.63
	from approved quarry including hoisting ,lowering and				
	laying concrete to the required level, ramming				
	,watering and curing etc				
	Providing and laying in position ready mixed M25 grade				
	concrete having compressive strength at 28 days test				
2	not lessthan 250kg/sq.cm for reinforced cement				
	concrete work using cement content as per approved		-	-	-
	design mix etc including Rigid & smooth centering and				
	shuttering.				
a	For R.C.C foundation, footing bases of column, mass	CuM	6,491.35	68.94	4,47,513.67
u	concrete,pre-cast etc.	CuM		00.74	7,77,313.07
b	For R.C.C plinth band etc.	CuM	7,312.80	11.96	87,461.09
С	R.C.C Beam & Coloum		-	-	-
i	Ground Floor	CuM	14,315.30	26.85	3,84,365.81
d	Lintel		-	-	-
i	Ground Floor	CuM	13,594.30	3.38	45,948.73
f	Chaja		-	-	-
i	Ground Floor	Sqm	1,128.30	12.15	13,708.85
9	Roof slab, Landing, Balcony,		-		<u>-</u>
i	Ground Floor Cutting ,Straightening coiled or bend up HYSD/TMT	CuM	12,908.30	27.43	3,54,074.67
3	Reinforcement bars welding or jointing if necessary ,		_	_	_
	bending ,tying the grills as required for R.C.C works				
	etcwinding wire extra				
α .	Foundation	Qntl	8,861.00	45.89	4,06,631.29
Ь	Ground floor	Qntl	8,861.00	72.85	6,45,523.85
С	BRICK WORK		-	_	-
	Fly Ash Brick Masonry in cement mortar of mix				
	(1:6) using Fly Ash bricks of size $25c.m \times 11 c.m \times 8$				
	c.m in Foundation & Plinth having crushing strength				
	not less than 75 kg per square c.m. with cement and				
	screened & washed sharp sand for mortar after				
	immersing the bricks for 6 (Six) hours in water				
1	before use in works with all necessary projections,		-	-	-
	splays cutting, circular moulding, corbelling, chamfering, watering and curing etc. including cost,				
	coveyance,stacking, loading, unloading, royalties , all				
	taxes ,cost of all labour,Labour cess ,scaffolding,				
	sundries and T&P required for the works etc. complete				
	in all respect as directed by the Engineer-in-charge.				
	Foundation and Plinth	CuM	5,111.00	19.46	99,460.06

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
2	Fly Ash Brick Masonry in cement mortar of mix (1:6) using Fly Ash bricks of size 25c.m x 11 c.m x 8 c.m in superstructure having crushing strength not less than 75 kg per square c.m. with cement and screened & washed sharp sand for mortar after immersing the bricks for 6 (Six) hours in water before use in works with all necessary projections, splays cutting, circular moulding, corbelling, chamfering, watering and curing etc. including cost, coveyance, stacking, loading, unloading, royalties, all taxes, cost of all labour, Labour cess, scaffolding, sundries and T&P required for the works etc. complete in all respect as directed by the Engineer-in-charge.		-	-	-
а	Ground Floor	CuM	5,144.00	66.30	3,41,047.20
3	Fly Ash Brick masonry in cement mortar of mix [1:4] using Fly Ash bricks of size 25cm12cmx8cm in superstructure having crushing strength not less than 75 kg /m2 etc[Half Brick work]		-	-	-
а	Ground Floor	CuM	5,458.00	1.05	5,730.90
			-	-	-
D	PLASTERING & PAINTING		-	-	-
1	Providing 12mm. Thick cement plaster in cement mortar or mix(1:6) in all floors at all height with cement & screened and washed sharp river sand for mortar and finished smooth to the rough surface of the brick masonary walls after racking out the joints (alongwith providing grooves wherever necessary) including watering and curing, rounding of corners etc. complete with cost, conveyance, loading, unloading, royalities and taxes of all materials, cost of all labour, T&P, sundries and scaffolding required for the work etc. as directed by the Engineer-in- charge.		-	-	-
а	Ground floor	SqM	153.30	347.49	53,270.22
2	Providing 16mm. Thick cement plaster in cement mortar or mix(1:6) in all floors at all height with cement & screened and washed sharp river sand for mortar and finished smooth to the rough surface of the brick masonary walls after racking out the joints (alongwith providing grooves wherever necessary)including watering and curing, rounding of corners etc. complete with cost, conveyance, loading, unloading, royalities and taxes of all materials, cost of all labour, T&P, sundries and scaffolding required for the work etc. as directed by the Engineer-in- charge.		-	-	_
α	Ground floor	SqM	219.10	368.30	80,694.53

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
3	Finishing wall surface of wall with cement based wall putty [water based] of approved make and finished smooth and even surface to receive painting including cost etc		-	-	-
а	Ground Floor	SqM	81.61	924.15	75,419.88
4	Providing and applying 2 coats with 100% acrylic emulsion paint on New surface including one coat of primer (exterior quality) of approved make & shade by reputed manufacturer to make an even finished surface over a coat of primer with water bound cement primer in all heights with all scaffolding and staging charges including cost, conveyance, taxes of all materials, cost of all labours, T&P, sundries etc. as required for the work complete.		-		-
α	Ground floor	SqM	150.10	368.30	55,281.83
5	Supplying and painting of internal walls and ceiling with two or more coats of ACRYLIC emulsion paint on New surface which includes a coat of primer all complete. The shade and brand to be of approved brand & shade over the surfaces including preparation of surface, with cost of all materials, labour, conveyance taxes of all materials, scaffolding etc., as per the direction of the Engineer-in-charge.		-	-	-
а	Ground floor	SqM	149.30	555.86	82,989.90
6	Painting with synthetic enamel paint over a coat of primer of approved colour, shade and brand on New wood work /steel work in two or more coats as required to give an even shade including an under coat of suitable primer of approved brand and manufacturer including cost of all materials with taxes and transportation, loading, unloading, scaffolding, all labour, Labour cess, sundries, T&P, etc. complete as per the direction of the Engineer-in-charge including filling gaps with putties, scrapping, sand papering and cleaning the surface to make free from rusts, dusts and oily substances before applying primer etc.		-	-	-
а	Ground floor	sqm	216.80	25.20	5,463.36
E	FLOORING		-	-	-
1	A. S flooring under layer of 25mm thick C.C. (1:2:4) with 12mm ize granite chips and top layer of 6mm thick plaster cement red oxide mix using 3.5kg or red oxide per 50 kg of cement 1:3 finished with a floating coat of cement and Red oxide mix of same proportion.		-	-	-
α	Ground floor	SqM	430.00	162.84	70,021.20

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
2	12mm thick cement plaster in CM(1:4) with cement punning for skirting & Dados including all cost. complete with cost, conveyance, royality of all materials and labour with T&P required for the work with royalities, taxes etc.complete in all floors as per direction of Engineer-in-charge.	SqM	175.10	20.57	3,601.81
F	DOOR & WINDOW		-	ı	1
1	Providing and fixing unplasticised poly vinyl chloride (UPVC) door in cluding all fittings and cost, conveyance of all materials, labours and T&P required for the work etc, all complete as per direction of engineer in charge.	Sqm	8,963.00	3.15	28,233.45
2	Providing and fixing 30 mm thick factory made single extruded WPC (Wood polymer composite) solid plain flush door shutter of required size fixing with stainless steel butt hinges of required size with necessary full body threaded star headed counter sunk S.S screws, all complete as per direction of engineer in	Sqm	4,424.00	15.75	69,678.00
3	Supplying, fitting, fixing up window (sliding type) made up aluminum Section 9778 as windows frame, section No. 4095, 4096 and 9777, 3994 as shutter frame with rubber beading including locking arrangement including all fitting including cost of materials all taxes labour, T&P etc. complete as per direction of Engineer-incharge. including cost of frosted glass & SS mosquito net.	Sqm	7,648.40	24.30	1,85,856.12
G	STEEL WORK		-	-	-
			-	-	-

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
1	Supplying, fitting and fixing of M.S grills, grill gates with top and bottom rails, (as per I.S. specification and as per approved drawings) in proper position in all floors and at all height including making holes to brick walls/ R.C.C structure/wood work etc. and making good to the damaged walls/ structures with cement concrete (1:2:4) with black hard crusher broken granite stone chips of 12mm to 20mm size (20mm size not to exceeds 25%) including watering and curing including cost, conveyance, loading, unloading, stacking, royalties and taxes of all materials, cost of all Labour, Labour cess, Sundries, T&P required for the work etc.complete as per the direction of Engineer in charge (W.I. / M.S. windows grills, grill gates, collapsible gates with top and bottom rails, steel windows, steel doors, steel frames for doors and windows, staircase and parapet railings square bar along with required nos. of nails and screws and other required materials of approved quality and approved size shall be supplied by the contractor at his own cost.)	KG	89.50	864.00	77,328.00
2	Supplying, fitting and fixing of Stainless steel of 304 grade in hand railing using 50mm dia of 2mm thick circular pipe with balustrade of size 32mmx32mmx2mm @ 0.90mtr.C/C and stainless square pipe bracing of size 32mmx32mmx2mm in 3 rows in stair case as per approved design and specification ,buffing, polishing etc with cost,conveyance,taxes of all materials, labour, T & P etc. requird for the complete in all respect.	Rmt	3,524.00	22.50	79,290.00
			-	-	-
1 1	Grading plaster 2.5 cm thick grading Plaster (1:4) on roof slab with 6mm size HG chips including all cost, conveyance, royalty & taxes etc.comp.to work site for new work as per the specification approved by the department & direction of E.I.C	sqm	- 387.30	215.00	- 83,269.50
	TOTAL CIVIL WORK				43,24,330.97
	TOTAL CIVIL WORK				73,24,330.97
2	PLUMBING AND SANITARY WORK				
	INTERNAL PH WORKS				

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
1	Supplying all materials, labour and T&P for fitting and fixing white glazed vitreous china porcelain Indian Pan water closet of size 23" of approved make confirming to IS-2556 and top inlet for sinking into floor with 100mm PVC 'P' trap etc. including supply of necessary cement concrete for fitting the closet etc. complete in all respect in all floors including cost, conveyance and taxes of all materials etc. complete and as per PH specification and direction of Engineer-in-charge.				
		Nos	5,618.96	2.00	11,237.92
2	Supplying all materials, labour and T&P for fitting and fixing white glazed vitreous china porcelain flat back urinal pan of approved make confirming to IS-2556 and top inlet for sinking into floor with 100mm PVC 'P' trap etc. including supply of necessary cement concrete for fitting the closet etc. complete in all respect in all floors including cost, conveyance and taxes of all materials etc. complete and as per PH specification and direction of Engineer-in-charge including marble partition in between urinals.		-	-	-
	Supplying all materials, labour, T&P and fixing standard	Nos	12,288.40	2.00	24,576.80
3	sized shower (bath shower) of approved make etc complete including cutting the wall and making good the damages, including cost of all materials complete as per PH specification and direction of Engineering-in-charge.		-	-	-
		Nos	993.00	2.00	1,986.00
4	fixing white glazed vitreous china porcelain wash basin of size 450mm × 300mm of approved make confirming to IS-2556 and top inlet for sinking into floor with 100mm PVC 'P' trap etc. including supply of necessary cement concrete for fitting the closet etc. complete in all respect in all floors including cost, conveyance and taxes of all materials etc. complete and as per PH specification and direction of Engineer-in-charge	Ne	- 0 150 10	-	-
		Nos	9,150.40	4.00	36,601.60
5	Supplying all materials, labour, T&P and fixing standard sized CP Bib cock of approved make etc complete including cutting the wall and making good the damages, including cost of all materials complete as per PH specification and direction of Engineering-in-charge.		-	-	-
		Nos	1,873.00	4.00	7,492.00

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
6	Supplying all materials, labour, T&P and fixing standard sized 15mm dia Angular Stop cock of approved make etc complete including cutting the wall and making good the damages, including cost of all materials complete as per PH specification and direction of Engineering-incharge.		-	-	-
	onal do.	Nos	1,158.40	4.00	4,633.60
7	Supplying all materials, labour, T&P and fixing standard 15mm sized pillar cock of approved make etc complete including cutting the wall and making good the damages, including cost of all materials complete as per PH specification and direction of Engineering-in-charge.		-	-	-
		Nos	1,626.00	4.00	6,504.00
8	Supplying all materials, labour, T&P and fixing standard sized Long body 15mm dia CP Bib cock of approved make etc complete including cutting the wall and making good the damages, including cost of all materials complete as per PH specification and direction of Engineering-in- charge.	Nos	2,107.00	4.00	8,428.00
	To Delice		-	-	-
9	Supplying all materials, labour, T&P and fixing standard sized two way CP Bib cock of approved make etc complete including cutting the wall and making good the damages, including cost of all materials complete as per PH specification and direction of Engineering-in-charge.	Nos	1,873.40	2.00	3,746.80
10	Supplying all materials, labour, T&P and fixing standard sized shower (Health Faucet) of approved make etc complete including cutting the wall and making good the damages, including cost of all materials complete as per PH specification and direction of Engineering-incharge.	Nos	993.00	2.00	1,986.00
11	Supplying all materials, labour, T&P and fixing standard sized Chromium Plated brass towel rail complete with Chromium Plated brass brackets fixed to wooden plugs with Chromium Plated brass screws as per specification and direction of the Engineer in charge	Nos	1,369.70	- 2.00	2,739.40
	Finite (00.4F0h. II. I. I. I. I. I. I.	1405	1,309./0	2.00	2,739.40
12	Fixing 600x450mm bevelled edge mirror of superior glass mounted on 6mm thick A.C sheet or plywood sheet and fixed to wooden plugs with Chromium Plated brass screws and washers complete as per specification and direction of the Engineer in charge		-	-	-
		NOS	1,841.80	4.00	7,367.20

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
13	Supplying all materials, labour, T&P and fittings and fixing of Poly Propelene white double layer water storage Tank of approved make confirming to IS 12701-1996 including cutting holes through the tank and fixing mild steel tubes and fittings and providing extra sockets and jam nuts, fixing ball valve etc including hoisting upto terrace level and placing the tank to the required position etc all complete as per PH specification and direction of Engineer-in-charge. (To provided with brick masonary guard walls which will be paid separately)		-	-	-
α	2000 ltr	Nos	25,364.70	1.00	25,364.70
			-	-	-
14	Supplying all materials, labours, T&P and fitting and fixing of the following size of CPVC pipe confirming to IS 15778 certification mark with socket and screw joints in walls and floors including supplying of required number of fittings of approved make including cutting threads to pipes and pipes to length, including wastage, etc for fitting to the walls with supply of holder ats, clamps, fixing wooden plugs in walls, including testing of pipe line for water tightness complete as per IS specification including cost, conveyance and taxes of all materials all complete as per PH specification and direction of Engineer-in-		-	-	-
a	25 mm dia	R.mtr	368.50	20.00	7,370.00
ь	32 mm dia	R.mtr	563.20	20.00	11,264.00
С	40mm dia	R.mtr	732.10	20.00	14,642.00
15	Providing all materials, labour, Fitting & fixing of CPVC Ball Valve with CTS socket. Make: Prince)		0	0	-
α	25mm Dia	Nos	842.00	1.00	842.00
Ь	32mm Dia	Nos	1,589.00	1.00	1,589.00
С	40mm dia	Nos	2,391.00	1.00	2,391.00
16	Supplying all materials, labours, T&P for cutting holes through existing brickwork including making good the damages in cement mortar (1:4) for taking GI pipes and fittings/PVC pipes and fittings etc all complete as per PH specification and direction of Engineer-in-charge.		-	-	-
		Nos	55.70	2.00	111.40
17	Supplying all materials, labours, T&P for cutting holes through existing RCC floors & roofs including making good the damages for taking GI pipes and fittings/PVC pipes and fittings etc all complete as per PH specification and direction of Engineer-in-charge.		-	-	-
		Nos	167.40	2.00	334.80
		. 103	107.10	2.00	

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
18	Supplyng all materials, labour, T&P for construction of brick masonary Gulley trap chamber of size300mm x 300mm with CI gulley trap, by Fly ash brick masonry in CM (1:4), CP (1:6) with 150mm x 150mm CI grating including labour and materials for fitting and fixing 100mm dia square mouth CI gully trap with supply of all jointing materials and encasing the gully trap with a block of CC (1:4:8) with 25mm size hard stone metal all complete with providing and fixing of 250mm x 250mm precast RCC cover slab including cost, conveyance, taxes of all materials to site complete as per the PH specification and direction of Engineer-in-charge.		-	-	-
		Nos	3,601.00	2.00	7,202.00
19	Providing all materials labour, T&P for making grooves in bricks/stone masonary walls vertically or horizontally up to required depth and width in all floor for laying of pipes and fittings up to 50mm dia, testing the joints with required water pressure and making good the damages with cement concrete 1:2:4 with 12mm size h.g.c.b.chips and finished smooth with cement morter (1:4) to original shape including cost of all materials, curing, conveyance of all materials etc. all complete excluding GST as per specification & direction of Engineer-in-charge.		0.00	0.00	-
		Rmt	251.40	20.00	5,028.00
II	External PH Supplying all materials, labours, T&P and fitting and		-	-	-
20	fixing of the following size of CPVC pipe confirming to IS 15778 certification mark with socket and screw joints in walls and floors including supplying of required number of fittings of approved make including cutting threads to pipes and pipes to length, including wastage, etc for fitting to the walls with supply of holder ats, clamps, fixing wooden plugs in walls, including testing of pipe line for water tightness complete as per IS specification including cost, conveyance and taxes of all materials all complete as per PH specification and direction of Engineer-in-		-	-	-
a	50mm dia	Rmt	1,153.60	10.00	11,536.00

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
21	Supplying all materials & labour, T&P and constructing brick masonary chamber for water sluice valve, single air valve & non return valve with Fly ash brick masonary in cement mortar (1:4) as per approved drawing and specification CC (1:4:8) with 4cm size hard granite metal on the bed, 12mm cement plaster (1:6) to inside and cement flush pointing (1:6) to outside surface with 100mm thick RCC M20 cover slab with 20mm hg chips using required quantity of tor steel, centring and shuttering to the slab and dismantling it after 31 days of casting, filling the outside cavity with excavated materials, watering, curing including cost, conveyance, taxes of all materials, labour charges for cutting, bending, binding and tying the grills in proper position etc all complete as per drawing, design and direction of Engineer-in- charge.		-	-	-
a	Chamber (0.75x0.75x0.7mtr)	Nos	9,782.00	1.00	9,782.00
			-	-	-
22	Supplying all materials, labour, T&P and fitting and fixing of double air valve of 50mm Dia confirming to the relevant IS specification and dimension including fixing it in position along the pipeline with supply of all required materials such as rubber insertion, nuts & bolts including cost of all materials, taxes, and duties, transportation charges from store to site etc all complete as per the direction of Engineer-in-charge.		-	-	-
		Nos	4,111.90	1.00	4,111.90
23	Supply, installation, testing and commissioning of automatic star delta control panel suitable for 2 HP pumpset including MS box fitted with main switch ,contactor, single phasing preventer, timer, selector switch, voltmetre, ammeter etc and connection with motor inside the sump with suitable cable etc complete as per the Direction of Engineer-in-charge. (Excluding power_supply)(MR)		-	-	-
		Set	14,500.00	1.00	14,500.00
	Septic Tank		-	-	-
24	Earth work in excavation in Hard rock by mechanical means (Hydraullic excavator)/ manual means overareas (exceeding 30 cm in depth, 1.5 m in width as well as 10sqm on plan) inculding disposal of excavated earth up to 50 m and lift upto 1.5m with all lead and lift including shoring, shuttering & dewatering (if required) with cost of all Labour, Labour cess ,Hire & Running charges of the water pumps, T & P required for the work complete as directed by the Engineer- in- charge.		-	-	-

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
α	Earth work excavation beyond 1.50mtr depth	CuM	210.97	6.00	1,265.82
25	Supplying and filling the Foundation & Plinth with clean coarse river sand of approved quality from approved quarry, laying in layers not exceeding 150mm thick, watering and ramming including cost, conveyance, royalty and taxes of all materials, cost of all labour, T&P etc. as required for the work complete as per direction of the Engineer-in-charge.		-	-	-
		CuM	887.50	2.73	2,422.88
26	Providing & laying cement concrete of prop. (1:4:8) in foundation bed and floors using 40mm nominal size down graded, screened, washed hard black crusher broken granite metal of approved quality & from approved quarry including laying in the layers not exceeding 100 mm thick etc.	CuM	5,149.80	0.75	3,862.35
27	concrete having compressive strength at 28 days test not less than 250kg/sq.cm for reinforced cement concrete work using cement content as per approved design mix etc		-	-	-
α	Foundation	CuM	6,491.35	1.00	6,491.35
Ь	RCC Wall	CuM	7,312.80	2.03	14,844.98
С	Slab	CuM	12,908.30	1.00	12,908.30
28	Cutting, straightening coiled or bent up HYSD/TMT Reinfocement Bars welding or jointing if necessary bending binding tying the grills as etc	Qntl	8,861.00	3.60	31,899.60
29	bending, binding, tying the grills as etc Providing 12mm. thick cement plaster with cement mortar of mix (1:4) in all floors cement and with screened and washed sharp sand for mortar with neat cement punning finished smooth to brick/RCC walls after racking out the joints including watering and curina complete with cost etc	SqM	153.30	12.18	1,867.19
30	Providing and laying of P.C.C. of 1:3:6 with 12 mm size hard granite metal in foundation trenches, under floors in line level including curing and ramming etc. all complete as per the direction of the Engineer-in-charae	SqM	0	0	-
		Sqm	6,256.90	0.34	2,127.35
31	Finishing walls with water proofing cement paint of approved shade on new work Two coat to give an even shade		-	-	-
32	Back filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20 cm in depth, consolidating each deposited layer by ramming and watering, lead upto 50 m and lift upto 1.5m.	Sqm	37.90	12,18	461.62 -
		CuM	117.20	5.55	650.46
	Soak Pit		-	-	=

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
33	Supplying and filling the Foundation & Plinth with clean coarse river sand of approved quality from approved quarry, laying in layers not exceeding 150mm thick, watering and ramming including cost, conveyance, royalty and taxes of all materials, cost of all labour, T&P etc. as required for the work complete as per direction of the Engineer-in-charge.		-	-	-
	an ection of the Engineer in charge.	CuM	887.50	1.00	887.50
34	Providing & laying cement concrete of prop. (1:4:8) in foundation bed and floors using 40mm nominal size down graded, screened, washed hard black crusher broken granite metal of approved quality & from approved quarry including laying in the layers not	CuM	5,149.80	0.62	3,192.88
35	exceeding 100 mm thick etc Providing and laying in position ready mixed M25 grade concrete having compressive strength at 28 days test not lessthan 250kg/sq.cm for reinforced cement concrete work using cement content as per approved design mix etc		-	<u>-</u>	<u>-</u>
α	Foundation	CuM	6,491.35	0.32	2,077.23
36	Providing 12mm. thick cement plaster with cement mortar of mix (1:4) in all floors cement and with screened and washed sharp sand for mortar with neat cement punning finished smooth to brick/RCC walls after racking out the joints including watering and curing complete with cost. etc.		-	-	-
		SqM	271.60	1.36	369.38
37	Providing and laying of P.C.C. of 1:3:6 with 12 mm size hard granite metal in foundation trenches, under floors in line level including curing and ramming etc. all complete as per the direction of the Engineer-incharge		0	0	-
	charde	Sqm	8,396.30	0.62	5,205.71
38	Fly Ash Brick Masonry in cement mortar of mix (1:6) using Fly Ash bricks of size 25c.m x 12 c.m x 8 c.m in Foundation & Plinth having crushing strength not less than 75 kg per square c.m. with cement and screened & washed sharp sand for mortar after immersing the bricks for 6 (Six) hours in water before use in works with all necessary projections, splays cutting, circular moulding, corbelling, chamfering, watering and curing etc. including cost, coveyance, stacking, loading, unloading, royalties, all taxes, cost of all labour, Labour cess, scaffolding, sundries and T&P required for the works etc. complete in all respect as directed by the Engineer-in-charge.		-	-	-
		CuM	5,408.00	6.37	34,448.96

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
39	Supplying all materials, labour, T&P, fitting and fixing uPVC SWR pipes (Type-B)(Co-moulded Ring type) of approved make confirming to IS-13592/1992with ISI marked, both below & above ground level or fixing on wall surface in all floors including transportation & scaffolding etc. all complete as per specification excluding GST & direction of the Engineer-in-charge.		0	0	-
α	Pipe 110mm dia	R.Mtr	828.11	30.00	24,843.30
Ь	110mm×110mm 'P' Trap (Make:Astral)	nos	494.00	2.00	988.00
С	110mm dia single 'Y' withoutdoor	nos	479.00	2.00	958.00
d	110mm WC connector/Bend with lip ring	nos	360.00	2.00	720.00
e	110mm Socket plug	nos	180.00	2.00	360.00
f	Upvc Elbow	nos	786.00	2.00	1,572.00
40	Sinking of 200 mm ×150mm size production well through DTH or combination drilling riges in hard rock area with PVC or GI casing pipes. 120mtr depth (1nos)	L.S	2,00,000.00	1.00	2,00,000.00
41	Supplying, fitting and fixing of Antiskid Ceramic Floor Tiles in flooring using special plain / printed series Ceramic Floor Tile of premium grade (having minimum thickness 7 mm to 8 mm & size 300 mm × 300 mm OR 600 mm ×600 mm, confirming to I.S 13755 of approved quality and shade in floors, treads on steps and landings on 25 m.m thick bed of cement mortar of mix (1:1) laid in proper slope and gradient with screened & washed sharp etc		-	-	-
	Ground floor	SqM	1,153.90	17.88	20,631.73
42	Supplying, fitting and fixing of ceramic glazed wall Tiles in skirting dado, risers of step and wall using special plain / printed series Ceramic wall Tile of premium grade (having minimum thickness 6.5 mm to 6.7 mm & size 300 mm × 300 mm OR 600mm ×300 mm,		-	-	-
	Ground floor	SqM	1,317.60	68.46	90,202.90
	TOTAL of internal PH WORK[I]				6,98,627.61
3	ELECTRICAL WORK				

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount .
1	Wiring for light point/ fan/ exhaust fan point/ call bell point with 1.5 sqmm FRLS PVC insulated copper conductor single core cable in surface / recessed 2 mm thick PVC conduit with modular switch and earthing the point with 1.5 sqmm FRLS PVC insulated copper conductor single core cable including providing modular box with cover of requisite number of modules including providing cover plates as required. Make Conduit:Norepack/Precision/AKG Wire-KEI/Havells/Finolex Switch/socket-Legrand (myrius)/Panasonic(vision)/schneider(zencelo)		-	-	-
a)	Single light point controlled by one 6A switch or first light point of group control.	Each	785.00	20.00	15,700.00
b)	Subsequent point of group control	Each	515.00	4.00	2,060.00
2	Supplying and fixing two module steeped type electronic fan regulator with proper modular plate switch box including connections etc. as required. Switch/socket-Legrand (myrius)/Panasonic(vision)/schneider(zencelo)	Nos.	653.00	2.00	1,306.00
3	Supplying and fixing 6 Amp plug with 6 Amp switch (Modular Type) on existing board.	Nos.	356.00	8.00	2,848.00
4	Supplying and fixing including testing and commissioning of 6A modular socket outlet with 6 Amp switch including providing GI modular box with faceplate etc as required.		-	-	-
a)	1 nos 6 Amp 3-pin socket with 6 Amp switch.	Nos.	512.00	8.00	4,096.00
b)	2 nos 6 Amp 3-pin socket with 2 nos 6 Amp switch.	Nos.	909.00	6.00	5,454.00
5	Supply, installation, testing & commissioning of 6 / 16 Amp Plug Boards consisting of a 16 Amp clip-in type modular switch with indicator and a 6/16 Amp clip-in type modular socket fixed on metallic concealed box including interconnections and making good the damages caused complete as required and as per direction of Engineer-in-charge. Supplying, installation, testing & commissioning of 25		652.00	8.00	5,216.00
6	amp modular socket outlet on surface or in recess, on 1 Nos two module GI box with plate for socket point and one nos two module GI Box with face plate for switch etc. complete as direction of Engineer-in-charge. As per Crabtree(cat no-ACTO202504) or equivalent of Learand/Schneider		1,330.15	4.00	5,320.60
7	Wiring for circuit/ submain wiring along with earth wire of following size of FRLS heavy gauge PVC insulated copper conductor single core cable in heavy duty PVC conduit laid in surface/ recess as required.		-	-	-
a)	2X2.5 + 1X2.5 sqmm FRLS Cu wire (for Light circuit wiring)	mtr	233.05	75.00	17,478.75

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
b)	double core 4 sq mm. copper wire for phase and neutral	mtr	386.00	20.00	7,720.00
c)	double core 6 sq mm. copper wire for phase and neutral	mtr	452.05	20.00	9,041.00
8	Supply, delivery and fixing of Ceiling fan hook box made out of 18 swg GI sheet and containing 10 mm dia round ms bar projecting atleast 150mm on either side & duly bent to accommodate ceiling fan down rod bolt & having earthing arrangement as per direction of Engineer-in-charge.	Nos.	150.00	10.00	1,500.00
9	36Watt LED Light fitting (3300 Lumen) for PHILIPS .(CAT No:RC365B LED33- 6500 PSU OD WH)/Equivalent of Halonix/Panasonic/crompton as required	Each	3,983.00	10.00	39,830.00
10	20Watt LED Surface/suspended Battern Linear Luminaire (2000 Lumen) PHILIPS (CAT No:WT150C LED20S-6500 PSE OD GR) / Equivalent of Halonix/Panasonic/crompton	Each	1,753.00	10.00	17,530.00
11	6Watt LED Light fitting (600 Lumen) PHILIPS (CAT No:DN191B LED6S-6500 PSU WH S1) / Equivalent ofHalonix/Panasonic/crompton	Each	1,231.00	4.00	4,924.00
12	Supplying, installation, testing and commissioning of ceiling fan (5 star rating) including wiring the down rod, earthing etc as required (Make : Bajaj/Usha/		-	-	-
(a)	Crompton/ Orient/ Khaitan/ Havells). 1200 mm sweep	Nos.	2,656.00	10.00	26,560.00
13	Supplying, installation, testing and commissioning of Exhaust fan / fresh air fan with louvre (Make - Bajaj/Usha/ Crompton/ Orient/ Khaitan/ Havells) as required.		-	-	-
a)	225 mm sweep fibre body fresh air fan	Nos.	1,753.00	2.00	3,506.00
14	Supplying, installation, testing and commissioning of Split Air Conditioner (Make -DAIKINI/VOLTAS/BLUE STAR/as required.	Nos.	55,000.00	4.00	2,20,000.00
15	Supplying and fixing following way, TP and neutral, sheet steel, MCB distribution board, IP-43,IK09 with metal door ,415 V, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCBOs/ISOLATORS) Make- Legrand(Ekinoxe3/siemens(Betaguard)/Schneider Acti9		-	-	-
a)	6 way, Double door	Nos.	4,631.00	2.00	9,262.00

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
16	Supplying and fixing following way, single pole and neutral, sheet steel, MCB distribution board, IP-43, IK-09, 240 V, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCBOS/ISOLATORS)		-		-
a)	12 way, Double door	Each	2,523.00	2.00	5,046.00
17	Supplying and fixing following rating RCBOs/ MCBs in the existing DB complete with connections, testing and commissioning etc. as required Make-Legrand/L&T/ABB		-		
c)	6 Amp to 32 Amp, 10 KA SP MCB (C-Curve)	Each	305.00	2.00	610.00
18	Supplying and fixing of following sizes of heavy gauge PVC conduit along with accessories in surface/recess including cutting the wall and making good the same in case of recessed conduit as required.		-	-	
a)	20 mm	mtr	52.00	100.00	5,200.00
19	Earthing with GI earth pipe 4.5 meter long,40mm dia incluiding accessories and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc with charcoal/coke and salt as required	Nos.	5,809.32	1.00	5,809.32
20	Providing and fixing 25 mm X 5mm GI strip on surface or in recess for connection etc as required.	Mtr	129.00	5.00	645.00
21	Providing and fixing 6 SWG GI wire on surface or in recess for loop earthing along with surface/recessed MS Conduit/submain wiring/cables etc as required.	Mtr	37.00	5.00	185.00
	Total Chadried Amount		-	-	4 17 047 77
	Total Electrical Amount		-	-	4,16,847.67
4	FIRE FIGHTING SYSTEM		_	-	
			-	-	
1	Supplying installation testing and commissioning of ABC type fire extinguishers of 6 kg capacity confirming to IS:14609 & ABC powder confirming IS:13849 presurized with Nitrozen Gas marked.including cost of all material & labour for all floors & service building etc. all complete. Make-KANEX/FIRE SHILD /SAFEX or equivalent	Nos	3,264.00	2.00	6,528.00

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
2	Supplying, installation, testing and commissioning of CO_2 type Fire Extinguisher 4.5 kg capacity confirming to IS: 2878 made from ISI marked seamless cylinder confirming to IS: 7285, fitted with ISI marked controlled valve confirming to IS: 3224, high pressure 1mtr discharge hose & horn complete with initial gas charged with carrying handle & wall mounting bracket for all floors & service building etc. as per direction of Engineer-in-charge.Make-KANEX/FIRE SHILD /SAFEX or equivalentor equivalent	Nos	7,700.00	2.00	15,400.00
3	Supplying, installation, testing and commissioning of Mechanical Foam type 9 litre capacity Fire Extinguisher, ISI marked, IS: 10204, containing 540 ml AFFF liquid ISI marked, IS: 4989 Part II and a polyurethane coated CO2 Gas Cartridge, ISI marked, IS: 4947 complete with gunmetal union cap, nylon hose with plastic foam making branch and wall mounting bracket as per direction of Engineer-in-charge.	Each	3,659.00	2.00	7,318.00
4	Sand Buket as per IS Specicification	Each	500.00	3.00	1,500.00
5	Buket Stand to Store 10 nos of Buket also having Aluminium sheet above the to prevent the stand from rain/sunst.	Nos	2,820.00	1.00	2,820.00
	Total Fire Fighting Amount				33,566.00

TENDER FOR CONSTRUCTION OF MULTI-PURPOSE CENTRE (MPC) AT VARIOUS LOCATIONS FOR DISTRICT OF RAYAGADA, ODISHA (2nd Call)

NIT No: PCO/BBSR/980/200 Date- 26.09.2024

CONSTRUCTION OF MULTI-PURPOSE CENTRE (MPC) AT REJINGATAL, PUTTASING, GUNUPUR IN THE DISTRICT OF RAYAGADA

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
	Architectural Consultancy Services	Lot	54496.25	1	54496.25
	Sub Total				54496.25
1	CIVIL WORKS				
Α	EARTH WORK				
	Earth work in stoney earth and gravels mixed with				
	stone and boulder not exceeding 0.014 cum in volume				
	within 50m initial lead and 1.5m initial lift including				
1	rough dressing and breaking clods to maximum 5cm to				
	7cm and laying in layer not exceeding 0.3m in depth and				
	as per specification approved by the dept.				
i	Ordinary Soil	CuM	205.16	202.03	41,448.47
ii	Soft Rock	CuM	329.01	51.15	16,828.86
iii	Hard Rock	CuM	2,726.10	2.56	6,978.82
	Supplying & Filling foundation trenches, plinth &				
	ditches with clean course river sand well watered and		692.22	193.64	
	rammed in layers not exceeding 23 c.m. in depth with all				
2	lead and lift including cost, conveyance, loading,	CuM			1,34,041.48
	unloading, stacking, royalties and all taxes of sand, cost				
	& conveyance of water, cost of all Labour, labour				
	cess, T&P required for the work etc. complete in all				
	respect as directed by the Engineer- in -charge.				
	Back filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers				
3	not exceeding 20 cm in depth, consolidating each	CuM	117.20	34.20	4,008.24
	deposited layer by ramming and watering, lead upto 50	Cuivi	117.20	34.20	4,000.24
	m and lift upto 1.5m.				
	Making plinth protection 150 mm thick of cement				
	concrete 1:3:6 (1 cement: 3 coarse sand : 6 graded				
4	stone aggregate 20 mm nominal size) over 75mm thick				
	bed of dry brick ballast 40 mm nominal size, well		-	-	-
	rammed and consolidated and grouted with fine sand,				
	including finishing the top smooth				4.00.000.00
		SqM	2,392.90	51.75	1,23,832.58
В	PLAIN & REINFORCEMENT CONCRETE		-	-	-

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
	Providing and laying P.C.C[1:4:8] using 4cm size metal				
	etc in foundation and floors using cement , 40 mm size				
	crusher broken H.G.Metal and screened and washed				
1	sharp river sand for mortar of approved quality and	CuM	5,118.30	34.35	1,75,813.61
	from approved quarry including hoisting ,lowering and				
	laying concrete to the required level, ramming				
	,watering and curing etc				
	Providing and laying in position ready mixed M25 grade				
	concrete having compressive strength at 28 days test				
_	not lessthan 250kg/sq.cm for reinforced cement				
2	concrete work using cement content as per approved		-	-	-
	design mix etc including Rigid & smooth centering and				
	shuttering.				
_	For R.C.C foundation, footing bases of column, mass	C.AA	4 441 OF	69.04	4.45.470.04
α	concrete, pre-cast etc.	CuM	6,461.85	68.94	4,45,479.94
b	For R.C.C plinth band etc.	CuM	7,283.30	12.62	91,915.25
С	R.C.C Beam & Coloum		-	-	-
i	Ground Floor	CuM	14,285.80	27.31	3,90,145.20
d	Lintel		-	-	-
i	Ground Floor	CuM	13,564.80	3.41	46,255.97
f	Chaja		-	-	-
i	Ground Floor	Sqm	1,126.45	12.15	13,686.37
9	Roof slab, Landing, Balcony,		-	_	-
i	Ground Floor Cutting ,Straightening coiled or bend up HYSD/TMT	CuM	12,878.80	27.43	3,53,265.48
3	Reinforcement bars welding or jointing if necessary,				
3	bending ,tying the grills as required for R.C.C works		-	-	-
	etcwinding wire extra				
α	Foundation	Qntl	8,861.00	46.68	4,13,631.48
Ь	Ground floor	Qntl	8,861.00	73.57	6,51,903.77
С	BRICK WORK		-	-	-
	Fly Ash Brick Masonry in cement mortar of mix				
	(1:6) using Fly Ash bricks of size $25c.m \times 11 c.m \times 8$				
	c.m in Foundation & Plinth having crushing strength				
	not less than 75 kg per square c.m. with cement and				
	screened & washed sharp sand for mortar after				
	immersing the bricks for 6 (Six) hours in water				
1	before use in works with all necessary projections,		-	-	-
	splays cutting, circular moulding, corbelling, chamfering,				
	watering and curing etc. including cost,				
	coveyance,stacking, loading, unloading, royalties , all				
	taxes ,cost of all labour,Labour cess ,scaffolding,				
	sundries and T&P required for the works etc. complete				
	in all respect as directed by the Engineer-in-charge.				
	Foundation and Plinth	CuM	5,093.00	19.46	99,109.78

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
2	Fly Ash Brick Masonry in cement mortar of mix (1:6) using Fly Ash bricks of size 25c.m x 11 c.m x 8 c.m in superstructure having crushing strength not less than 75 kg per square c.m. with cement and screened & washed sharp sand for mortar after immersing the bricks for 6 (Six) hours in water before use in works with all necessary projections, splays cutting, circular moulding, corbelling, chamfering, watering and curing etc. including cost, coveyance, stacking, loading, unloading, royalties, all taxes, cost of all labour, Labour cess, scaffolding, sundries and T&P required for the works etc. complete in all respect as directed by the Engineer-in-charge.		-	-	-
α	Ground Floor	CuM	5,126.00	66.30	3,39,853.80
3	Fly Ash Brick masonry in cement mortar of mix [1:4] using Fly Ash bricks of size 25cm12cmx8cm in superstructure having crushing strength not less than 75 kg /m2 etc[Half Brick work]		-	-	-
α	Ground Floor	CuM	5,458.00	1.05	5,730.90
			-	-	-
D	PLASTERING & PAINTING		-	-	-
1	Providing 12mm. Thick cement plaster in cement mortar or mix(1:6) in all floors at all height with cement & screened and washed sharp river sand for mortar and finished smooth to the rough surface of the brick masonary walls after racking out the joints (alongwith providing grooves wherever necessary) including watering and curing, rounding of corners etc. complete with cost, conveyance, loading, unloading, royalities and taxes of all materials, cost of all labour, T&P, sundries and scaffolding required for the work etc. as directed by the Engineer-in- charge.		_	-	-
α	Ground floor	SqM	152.30	347.49	52,922.73
2	Providing 16mm. Thick cement plaster in cement mortar or mix(1:6) in all floors at all height with cement & screened and washed sharp river sand for mortar and finished smooth to the rough surface of the brick masonary walls after racking out the joints (alongwith providing grooves wherever necessary)including watering and curing, rounding of corners etc. complete with cost, conveyance, loading, unloading, royalities and taxes of all materials, cost of all labour, T&P, sundries and scaffolding required for the work etc. as directed by the Engineer-in- charge.		-	-	-
a	Ground floor	SqM	217.90	368.30	80,252.57

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
3	Finishing wall surface of wall with cement based wall putty [water based] of approved make and finished smooth and even surface to receive painting including cost etc		-	-	-
а	Ground Floor	SqM	81.61	924.15	75,419.88
4	Providing and applying 2 coats with 100% acrylic emulsion paint on New surface including one coat of primer (exterior quality) of approved make & shade by reputed manufacturer to make an even finished surface over a coat of primer with water bound cement primer in all heights with all scaffolding and staging charges including cost, conveyance, taxes of all materials, cost of all labours, T&P, sundries etc. as required for the work complete.		-		-
α	Ground floor	SqM	150.10	368.30	55,281.83
5	Supplying and painting of internal walls and ceiling with two or more coats of ACRYLIC emulsion paint on New surface which includes a coat of primer all complete. The shade and brand to be of approved brand & shade over the surfaces including preparation of surface, with cost of all materials, labour, conveyance taxes of all materials, scaffolding etc., as per the direction of the Engineer-in-charge.		-	-	-
а	Ground floor	SqM	149.30	555.86	82,989.90
6	Painting with synthetic enamel paint over a coat of primer of approved colour, shade and brand on New wood work /steel work in two or more coats as required to give an even shade including an under coat of suitable primer of approved brand and manufacturer including cost of all materials with taxes and transportation, loading, unloading, scaffolding, all labour, Labour cess, sundries, T&P, etc. complete as per the direction of the Engineer-in-charge including filling gaps with putties, scrapping, sand papering and cleaning the surface to make free from rusts, dusts and oily substances before applying primer etc.		-	-	-
а	Ground floor	sqm	216.80	25.20	5,463.36
E	FLOORING		-	-	-
1	A. S flooring under layer of 25mm thick C.C. (1:2:4) with 12mm ize granite chips and top layer of 6mm thick plaster cement red oxide mix using 3.5kg or red oxide per 50 kg of cement 1:3 finished with a floating coat of cement and Red oxide mix of same proportion.		-	-	-
α	Ground floor	SqM	430.00	162.84	70,021.20

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
2	12mm thick cement plaster in CM(1:4) with cement punning for skirting & Dados including all cost. complete with cost, conveyance, royality of all materials and labour with T&P required for the work with royalities, taxes etc.complete in all floors as per direction of Fnaineer-in-charge.	SqM	174.10	20.57	3,581.24
F	DOOR & WINDOW		-	-	-
1	Providing and fixing unplasticised poly vinyl chloride (UPVC) door in cluding all fittings and cost, conveyance of all materials, labours and T&P required for the work etc, all complete as per direction of engineer in charge.	Sqm	8,963.00	3.15	28,233.45
2	Providing and fixing 30 mm thick factory made single extruded WPC (Wood polymer composite) solid plain flush door shutter of required size fixing with stainless steel butt hinges of required size with necessary full body threaded star headed counter sunk S.S screws, all complete as per direction of engineer in	Sqm	4,424.00	15.75	69,678.00
3	Supplying, fitting, fixing up window (sliding type) made up aluminum Section 9778 as windows frame, section No. 4095, 4096 and 9777, 3994 as shutter frame with rubber beading including locking arrangement including all fitting including cost of materials all taxes labour, T&P etc. complete as per direction of Engineer-incharge. including cost of frosted glass & SS mosquito net.	Sqm	7,648.40	24.30	1,85,856.12
G	STEEL WORK		-	-	-
			-	-	-

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
1	Supplying, fitting and fixing of M.S grills, grill gates with top and bottom rails, (as per I.S. specification and as per approved drawings) in proper position in all floors and at all height including making holes to brick walls/ R.C.C structure/wood work etc. and making good to the damaged walls/ structures with cement concrete (1:2:4) with black hard crusher broken granite stone chips of 12mm to 20mm size (20mm size not to exceeds 25%) including watering and curing including cost, conveyance, loading, unloading, stacking, royalties and taxes of all materials, cost of all Labour, Labour cess, Sundries, T&P required for the work etc.complete as per the direction of Engineer in charge (W.I. / M.S. windows grills, grill gates, collapsible gates with top and bottom rails, steel windows, steel doors, steel frames for doors and windows, staircase and parapet railings square bar along with required nos. of nails and screws and other required materials of approved quality and approved size shall be supplied by the contractor at his own cost.)	KG	89.50	864.00	77,328.00
2	Supplying, fitting and fixing of Stainless steel of 304 grade in hand railing using 50mm dia of 2mm thick circular pipe with balustrade of size 32mmx32mmx2mm @ 0.90mtr.C/C and stainless square pipe bracing of size 32mmx32mmx2mm in 3 rows in stair case as per approved design and specification ,buffing, polishing etc with cost,conveyance,taxes of all materials, labour, T & P etc. requird for the complete in all respect.	Rmt	3,524.00	22.50	79,290.00
- 11	Condition of the same		-	-	-
1	Grading plaster 2.5 cm thick grading Plaster (1:4) on roof slab with 6mm size HG chips including all cost, conveyance, royalty & taxes etc.comp.to work site for new work as per the specification approved by the department & direction of E.I.C	sqm	387.30	215.00	83,269.50
	TOTAL CIVIL WORK				43,03,517.78
2	PLUMBING AND SANITARY WORK				
	INTERNAL PH WORKS				

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
1	Supplying all materials, labour and T&P for fitting and fixing white glazed vitreous china porcelain Indian Pan water closet of size 23" of approved make confirming to IS-2556 and top inlet for sinking into floor with 100mm PVC 'P' trap etc. including supply of necessary cement concrete for fitting the closet etc. complete in all respect in all floors including cost, conveyance and taxes of all materials etc. complete and as per PH specification and direction of Engineer-in-charge.				
	· · · · · · · · · · · · · · · · · · ·	Nos	5,616.68	2.00	11,233.36
2	Supplying all materials, labour and T&P for fitting and fixing white glazed vitreous china porcelain flat back urinal pan of approved make confirming to IS-2556 and top inlet for sinking into floor with 100mm PVC 'P' trap etc. including supply of necessary cement concrete for fitting the closet etc. complete in all respect in all floors including cost, conveyance and taxes of all materials etc. complete and as per PH specification and direction of Engineer-in-charge including marble partition in between urinals.		-	-	-
	Complains all materials labours TOP and fining standard	Nos	12,288.40	2.00	24,576.80
3	Supplying all materials, labour, T&P and fixing standard sized shower (bath shower) of approved make etc complete including cutting the wall and making good the damages, including cost of all materials complete as per PH specification and direction of Engineering-in-charae.		-	-	-
		Nos	993.00	2.00	1,986.00
4	fixing white glazed vitreous china porcelain wash basin of size 450mm x 300mm of approved make confirming to IS-2556 and top inlet for sinking into floor with 100mm PVC 'P' trap etc. including supply of necessary cement concrete for fitting the closet etc. complete in all respect in all floors including cost, conveyance and taxes of all materials etc. complete and as per PH specification and direction of Engineer in charge		-	-	<u>-</u>
		Nos	9,150.40	4.00	36,601.60
5	Supplying all materials, labour, T&P and fixing standard sized CP Bib cock of approved make etc complete including cutting the wall and making good the damages, including cost of all materials complete as per PH specification and direction of Engineering-in-charge.		-	-	-
		Nos	1,873.00	4.00	7,492.00

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
6	Supplying all materials, labour, T&P and fixing standard sized 15mm dia Angular Stop cock of approved make etc complete including cutting the wall and making good the damages, including cost of all materials complete as per PH specification and direction of Engineering-incharge.		-	-	-
	onal do.	Nos	1,158.40	4.00	4,633.60
7	Supplying all materials, labour, T&P and fixing standard 15mm sized pillar cock of approved make etc complete including cutting the wall and making good the damages, including cost of all materials complete as per PH specification and direction of Engineering-in-charge.		-	1	-
		Nos	1,626.00	4.00	6,504.00
8	Supplying all materials, labour, T&P and fixing standard sized Long body 15mm dia CP Bib cock of approved make etc complete including cutting the wall and making good the damages, including cost of all materials complete as per PH specification and direction of Engineering-in- charge.	Nos	2,107.00	4.00	8,428.00
	To Delice		-	-	-
9	Supplying all materials, labour, T&P and fixing standard sized two way CP Bib cock of approved make etc complete including cutting the wall and making good the damages, including cost of all materials complete as per PH specification and direction of Engineering-in-charge.	Nos	1,873.40	2.00	3,746.80
10	Supplying all materials, labour, T&P and fixing standard sized shower (Health Faucet) of approved make etc complete including cutting the wall and making good the damages, including cost of all materials complete as per PH specification and direction of Engineering-incharge.	Nos	993.00	2.00	1,986.00
11	Supplying all materials, labour, T&P and fixing standard sized Chromium Plated brass towel rail complete with Chromium Plated brass brackets fixed to wooden plugs with Chromium Plated brass screws as per specification and direction of the Engineer in charge	Nos	1,369.70	- 2.00	2,739.40
	Finite (00.4F0h. II. I. I. I. I. I. I.	1405	1,309./0	2.00	2,739.40
12	Fixing 600x450mm bevelled edge mirror of superior glass mounted on 6mm thick A.C sheet or plywood sheet and fixed to wooden plugs with Chromium Plated brass screws and washers complete as per specification and direction of the Engineer in charge		-	-	-
		NOS	1,841.80	4.00	7,367.20

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
13	Supplying all materials, labour, T&P and fittings and fixing of Poly Propelene white double layer water storage Tank of approved make confirming to IS 12701-1996 including cutting holes through the tank and fixing mild steel tubes and fittings and providing extra sockets and jam nuts, fixing ball valve etc including hoisting upto terrace level and placing the tank to the required position etc all complete as per PH specification and direction of Engineer-in-charge. (To provided with brick masonary guard walls which will be paid separately)		-	-	-
α	2000 ltr	Nos	25,364.70	1.00	25,364.70
			-	-	-
14	Supplying all materials, labours, T&P and fitting and fixing of the following size of CPVC pipe confirming to IS 15778 certification mark with socket and screw joints in walls and floors including supplying of required number of fittings of approved make including cutting threads to pipes and pipes to length, including wastage, etc for fitting to the walls with supply of holder ats, clamps, fixing wooden plugs in walls, including testing of pipe line for water tightness complete as per IS specification including cost, conveyance and taxes of all materials all complete as per PH specification and direction of Engineer-in-		-	-	-
a	25 mm dia	R.mtr	368.50	20.00	7,370.00
ь	32 mm dia	R.mtr	563.20	20.00	11,264.00
c	40mm dia	R.mtr	732.10	20.00	14,642.00
15	Providing all materials, labour, Fitting & fixing of CPVC Ball Valve with CTS socket. Make: Prince)		0	0	-
α	25mm Dia	Nos	842.00	1.00	842.00
Ь	32mm Dia	Nos	1,589.00	1.00	1,589.00
С	40mm dia	Nos	2,391.00	1.00	2,391.00
16	Supplying all materials, labours, T&P for cutting holes through existing brickwork including making good the damages in cement mortar (1:4) for taking GI pipes and fittings/PVC pipes and fittings etc all complete as per PH specification and direction of Engineer-in-charge.		-	-	-
		Nos	55.60	2.00	111.20
17	Supplying all materials, labours, T&P for cutting holes through existing RCC floors & roofs including making good the damages for taking GI pipes and fittings/PVC pipes and fittings etc all complete as per PH specification and direction of Engineer-in-charge.		-	-	-
		Nos	167.40	2.00	334.80
		. 103	107.10	2.00	

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
18	Supplyng all materials, labour, T&P for construction of brick masonary Gulley trap chamber of size300mm x 300mm with CI gulley trap, by Fly ash brick masonry in CM (1:4), CP (1:6) with 150mm x 150mm CI grating including labour and materials for fitting and fixing 100mm dia square mouth CI gully trap with supply of all jointing materials and encasing the gully trap with a block of CC (1:4:8) with 25mm size hard stone metal all complete with providing and fixing of 250mm x 250mm precast RCC cover slab including cost, conveyance, taxes of all materials to site complete as per the PH specification and direction of Engineer-in-charge.		-	-	-
		Nos	3,594.00	2.00	7,188.00
19	Providing all materials labour, T&P for making grooves in bricks/stone masonary walls vertically or horizontally up to required depth and width in all floor for laying of pipes and fittings up to 50mm dia, testing the joints with required water pressure and making good the damages with cement concrete 1:2:4 with 12mm size h.g.c.b.chips and finished smooth with cement morter (1:4) to original shape including cost of all materials, curing, conveyance of all materials etc. all complete excluding GST as per specification & direction of Engineer-in-charge.		0.00	0.00	<u>-</u>
	F	Rmt	250.90	20.00	5,018.00
20	External PH Supplying all materials, labours, T&P and fitting and fixing of the following size of CPVC pipe confirming to IS 15778 certification mark with socket and screw joints in walls and floors including supplying of required number of fittings of approved make including cutting threads to pipes and pipes to length, including wastage, etc for fitting to the walls with supply of holder ats, clamps, fixing wooden plugs in walls, including testing of pipe line for water tightness complete as per IS specification including cost, conveyance and taxes of all materials all complete as per PH specification and direction of Engineer-in-		-	-	<u>-</u>
a	50mm dia	Rmt	1,153.60	10.00	11,536.00

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
21	Supplying all materials & labour, T&P and constructing brick masonary chamber for water sluice valve, single air valve & non return valve with Fly ash brick masonary in cement mortar (1:4) as per approved drawing and specification CC (1:4:8) with 4cm size hard granite metal on the bed, 12mm cement plaster (1:6) to inside and cement flush pointing (1:6) to outside surface with 100mm thick RCC M20 cover slab with 20mm hg chips using required quantity of tor steel, centring and shuttering to the slab and dismantling it after 31 days of casting, filling the outside cavity with excavated materials, watering, curing including cost, conveyance, taxes of all materials, labour charges for cutting, bending, binding and tying the grills in proper position etc all complete as per drawing, design and direction of Engineer-in- charge.		1	ı	-
a	Chamber (0.75x0.75x0.7mtr)	Nos	9,753.00	1.00	9,753.00
22	Supplying all materials, labour, T&P and fitting and fixing of double air valve of 50mm Dia confirming to the relevant IS specification and dimension including fixing it in position along the pipeline with supply of all required materials such as rubber insertion, nuts & bolts including cost of all materials, taxes, and duties, transportation charges from store to site etc all complete as per the direction of Engineer-in-charge. Supply, installation, testing and commissioning of automatic star delta control panel suitable for 2 HP pumpset including MS box fitted with main switch ,contactor, single phasing preventer, timer, selector switch, voltmetre, ammeter etc and connection with motor inside the sump with suitable cable etc complete	Nos	4,111.90	1.00	4,111.90
	as per the Direction of Engineer-in-charge. (Excluding power supply)(MR)	Set	14,500.00	1.00	14,500.00
	Septic Tank Forth work in exceptation in Hand nock by mechanical		-	-	-
24	Earth work in excavation in Hard rock by mechanical means (Hydraullic excavator)/ manual means overareas (exceeding 30 cm in depth, 1.5 m in width as well as 10sqm on plan) inculding disposal of excavated earth up to 50 m and lift upto 1.5m with all lead and lift including shoring, shuttering & dewatering (if required) with cost of all Labour, Labour cess ,Hire & Running charges of the water pumps, T & P required for the work complete as directed by the Engineer- in- charge.		-	-	-

Supplying and filling the Foundation & Plinth with clean coarse river sand of approved quality from approved quarry, long in layers not exceeding 150mm thick, watering and ramming including cost, conveyance, royalty and taxes of all materials, cost of all labour, TAP etc. as required for the work complete as per direction of the Engineer-in-charge. Providing & laying cement concrete of prop. (1:4:8) in foundation bed and floors using 40mm nominal size down graded, screened, washed hard black crusher broken granite metal of approved quality & from approved quarry including laying in the layers not exceeding 1010 mm tick etc. Providing and laying in position ready mixed M25 grade concrete having compressive strength at 28 days test not lessthan 250kg/sq.cm for reinforced cement concrete work using cement content as per approved design mix etc. a Foundation b RC Wall Cutting straightening coiled or bent up HYSD/TMT Reinfocement Bars welding or jointing if necessary bending, brinding 17th, 17th 17th, 17	Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
coarse river sand of approved quality from approved quarry, laying in layers not exceeding 150mm thick, series and ramining including cost, conveyance, royalty and taxes of all materials, cost of all labour, TAP etc. os required for the work complete as per direction of the Engineer-in-charge. CuM 200,00 2.73 546.0 Providing & laying cement concrete of prop. (1478) in foundation bed and floors using 40mm nominal size down graded, screened, washed hard black crusher brown approved quarry including laying in the layers not exceeding 100 mm thick etc. Providing and laying in position ready mixed M25 grade concrete having compressive strength at 28 days test not estathan 250kg/4, gar, for reinforced cement concrete work using cement content as per approved design mix etc. A Foundation CuM 7,283.30 2.03 14,785.1 B RCC Wall CuM 7,283.30 2.03 14,785.1 CuM 12,878.80 1.00 6,461.8 Cutting straightening coiled or bent up HYSD/TMT Reinfocement Bars welding or jointing if necessary bending, brinding, brinding, high the grills as etc. Providing 12mm, thick cement plaster with cement mortar of mix (14) in all floors cement and with screened and washed sharp sand for mortar with neat cement pumning finished smooth to brick/RCC walls offer racking out the joints including watering and curina complete with cost etc. Providing and laying of P.C.C. of 1:3:6 with 12 mm size hard granite metal in foundation trenches, under floors in layers and provided and curina complete with cost etc. Providing and laying of P.C.C. of 1:3:6 with 12 mm size hard granite metal in foundation trenches, under floors in layers and for mortar with neat cement pumning finished smooth to brick/RCC walls offer racking out the joints including watering and curina complete with cost etc. Sqm 152.30 12.18 1,855.0 Providing and laying of P.C. of 1:3:6 with 12 mm size hard granite metal in foundation trenches, under floors in layers and for mortar with neat cement pumning finished smooth to brick/RCC walls of the racking from the provided pumning etc	α	Earth work excavation beyond 1.50mtr depth	CuM	205.16	6.00	1,230.96
Providing & laying cement concrete of prop. (14-8) in foundation bed and floors using 40mm nominal size down graded, screened, washed hard black crusher broken granite metal of approved quality & from approved quarry including laying in the layers not exceeding 100 mm, thick etc. Providing and laying in position ready mixed M25 grade concrete having compressive strength at 28 days test concrete work using cement content as per approved design mix etc. Foundation	25	coarse river sand of approved quality from approved quarry, laying in layers not exceeding 150mm thick, watering and ramming including cost, conveyance, royalty and taxes of all materials, cost of all labour, T&P etc. as required for the work complete as per		-	-	-
foundation bed and floors using 40mm nominal size down graded, screened, washed hard black crusher broken graniter metal of approved quality & from approved quarry including laying in the layers not exceeding 100 mm thick etc. Providing and laying in position ready mixed M25 grade concrete having compressive strength at 28 days test not lessthan 250kg/sq.cm for reinforced cement concrete work using cement content as per approved design mix etc. a Foundation b RC Wall CuM 7,283.30 CuM 12,878.80 Cutting straightening coiled or bent up HYSD/TMT Cutting straightening coiled or bent up HYSD/TMT Bending, binding, tying the qrills as etc. Providing 12mm. Thick cement plaster with cement mortan of mix (1.4) in all floors cement and with screened and washed sharp sand for mortar with neat cement puning finished smooth to brick/RCC walls after racking out the joints including watering and curina complete with cast etc. Providing and laying of P.C.C. of 1:3:6 with 12 mm size hard granite metal in foundation trenches, under floors in line level including curing and ramming etc. all complete as per the direction of the Engineer-in-charge. Sqm 6,225.40 Sqm 37.90 12.18 1,855.0 Finishing walls with water proofing cement paint of approved shade on new work Two coat to give an even shade Back filling available excavated earth (excluding rock) in trenches, piloth, sides of foundations etc. in layers on exceeding 20 cm in depth, consolidating each deposited layer by ramming and watering, lead upto 50 m and lift upto 1.5m. CuM 117.20 5.55 6.50.4			CuM	200.00	2.73	546.00
concrete having compressive strength at 28 days test not lessthan 250kg/sq.cm for reinforced cement concrete work using cement content as per approved desian mix etc a Foundation	26	foundation bed and floors using 40mm nominal size down graded, screened, washed hard black crusher broken granite metal of approved quality & from approved quarry including laying in the layers not	CuM	5,118.30	0.75	3,838.73
a Foundation CuM 6,461.85 1.00 6,461.8 b RCC Wall CuM 7,283.30 2.03 14,785.1 c Slab Cutting, straightening coiled or bent up HYSD/TMT Reinfocement Bars welding or jointing if necessary bending, binding, tying the grills as etc Providing 12mm. Thick cement plaster with cement mortar of mix (1:4) in all floors cement and with screened and washed sharp sand for mortar with neat cement punning finished smooth to brick/RCC walls after racking out the joints including watering and curina complete with cost etc Providing and laying of P.C.C. of 1:3:6 with 12 mm size hard granite metal in foundation trenches, under floors in line level including curing and ramming etc. all complete as per the direction of the Engineer-incharge. Sqm 6,225.40 0.34 2,116.6 Finishing walls with water proofing cement paint of approved shade on new work Two coat to give an even shade Sqm 37.90 12.18 461.6 Back filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20 cm in depth, consolidating each deposited layer by ramming and watering, lead upto 50 m and lift upto 1.5m. CuM 117.20 5.55 650.4	27	concrete having compressive strength at 28 days test not lessthan 250kg/sq.cm for reinforced cement concrete work using cement content as per approved		-	-	-
c Slab Cutting,straightening coiled or bent up HYSD/TMT Reinfocement Bars welding or jointing if necessary bending, binding, tying the grills as etc Providing 12mm. Thick cement plaster with cement mortar of mix (1:4) in all floors cement and with screened and washed sharp sand for mortar with neat cement punning finished smooth to brick/RCC walls after racking out the joints including watering and curina complete with cost etc Providing and laying of P.C.C. of 1:3:6 with 12 mm size hard granite metal in foundation trenches, under floors in line level including curing and ramming etc. all complete as per the direction of the Engineer-in- charae Sqm 6,225.40 0.34 2,116.6 Finishing walls with water proofing cement paint of approved shade on new work Two coat to give an even shade Sqm 37.90 12.18 461.6 Back filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20 cm in depth, consolidating each deposited layer by ramming and watering, lead upto 50 m and lift upto 1.5m. CuM 117.20 5.55 650.4	α		CuM	6,461.85	1.00	6,461.85
Cutting,straightening coiled or bent up HYSD/TMT Reinfocement Bars welding or jointing if necessary bending, binding, tying the grills as etc Providing 12mm. thick cement plaster with cement mortar of mix (1:4) in all floors cement and with screened and washed sharp sand for mortar with neat cement punning finished smooth to brick/RCC walls after racking out the joints including watering and curina complete with cost etc Providing and laying of P.C.C. of 1:3:6 with 12 mm size hard granite metal in foundation trenches, under floors in line level including curing and ramming etc. all complete as per the direction of the Engineer-in- charae. Sqm 6,225.40 0.34 2,116.6 Finishing walls with water proofing cement paint of approved shade on new work Two coat to give an even shade Sqm 37.90 12.18 461.6 Back filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20 cm in depth, consolidating each deposited layer by ramming and watering, lead upto 50 m and lift upto 1.5m. Cum 117.20 5.55 650.4	Ь	RCC Wall	CuM	7,283.30	2.03	14,785.10
Reinfocement Bars welding or jointing if necessary bending, binding, tying the grills as etc. Providing 12mm. Thick cement plaster with cement mortar of mix (1:4) in all floors cement and with screened and washed sharp sand for mortar with neat cement punning finished smooth to brick/RCC walls after racking out the joints including watering and curina complete with cost etc. Providing and laying of P.C.C. of 1:3:6 with 12 mm size hard granite metal in foundation trenches, under floors in line level including curing and ramming etc. all complete as per the direction of the Engineer-incharae. Sqm 6,225.40 0.34 2,116.6 Finishing walls with water proofing cement paint of approved shade on new work Two coat to give an even shade Sqm 37.90 12.18 461.6 Back filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20 cm in depth, consolidating each deposited layer by ramming and watering, lead upto 50 m and lift upto 1.5m. CuM 117.20 5.55 650.4	C		CuM	12,878.80	1.00	12,878.80
mortar of mix (1:4) in all floors cement and with screened and washed sharp sand for mortar with neat cement punning finished smooth to brick/RCC walls after racking out the joints including watering and curina complete with cost etc SqM 152.30 12.18 1,855.0 Providing and laying of P.C.C. of 1:3:6 with 12 mm size hard granite metal in foundation trenches, under floors in line level including curing and ramming etc. all complete as per the direction of the Engineer-in-charae Sqm 6,225.40 0.34 2,116.6 Finishing walls with water proofing cement paint of approved shade on new work Two coat to give an even shade Sqm 37.90 12.18 461.6 Back filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20 cm in depth, consolidating each deposited layer by ramming and watering, lead upto 50 m and lift upto 1.5m. CuM 117.20 5.55 650.4	28	Reinfocement Bars welding or jointing if necessary	Qntl	8,861.00	3.60	31,899.60
Providing and laying of P.C.C. of 1:3:6 with 12 mm size hard granite metal in foundation trenches, under floors in line level including curing and ramming etc. all 0 0 0 - complete as per the direction of the Engineer-incharae. Sqm 6,225.40 0.34 2,116.6 Finishing walls with water proofing cement paint of approved shade on new work Two coat to give an even shade Sqm 37.90 12.18 461.6 Back filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20 cm in depth, consolidating each deposited layer by ramming and watering, lead upto 50 m and lift upto 1.5m. CuM 117.20 5.55 650.4	29	mortar of mix (1:4) in all floors cement and with screened and washed sharp sand for mortar with neat cement punning finished smooth to brick/RCC walls after racking out the joints including watering and		-	-	-
Finishing walls with water proofing cement paint of approved shade on new work Two coat to give an even shade Sqm 37.90 12.18 461.6 Back filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20 cm in depth, consolidating each deposited layer by ramming and watering, lead upto 50 m and lift upto 1.5m. CuM 117.20 5.55 650.4	30	hard granite metal in foundation trenches, under floors in line level including curing and ramming etc. all complete as per the direction of the Engineer-in-	SqM			-
Finishing walls with water proofing cement paint of approved shade on new work Two coat to give an even shade Sqm 37.90 12.18 461.6 Back filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20 cm in depth, consolidating each deposited layer by ramming and watering, lead upto 50 m and lift upto 1.5m. CuM 117.20 5.55 650.4		CHAI MO.	Sqm	6,225.40	0.34	2,116.64
Back filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20 cm in depth, consolidating each deposited layer by ramming and watering, lead upto 50 m and lift upto 1.5m. CuM 117.20 5.55 650.4	31	approved shade on new work Two coat to give an even		-	-	-
	32	in trenches, plinth, sides of foundations etc. in layers not exceeding 20 cm in depth, consolidating each deposited layer by ramming and watering, lead upto 50		-	-	461.62
l F. J. Dia		Soak Pit	CuM	117.20	5.55	650.46

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
33	Supplying and filling the Foundation & Plinth with clean coarse river sand of approved quality from approved quarry, laying in layers not exceeding 150mm thick, watering and ramming including cost, conveyance, royalty and taxes of all materials, cost of all labour, T&P etc. as required for the work complete as per direction of the Engineer-in-charge.		-	-	-
		CuM	200.00	1.00	200.00
34	Providing & laying cement concrete of prop. (1:4:8) in foundation bed and floors using 40mm nominal size down graded, screened, washed hard black crusher broken granite metal of approved quality & from approved quarry including laying in the layers not	CuM	5,118.30	0.62	3,173.35
35	exceeding 100 mm thick etc Providing and laying in position ready mixed M25 grade concrete having compressive strength at 28 days test not lessthan 250kg/sq.cm for reinforced cement concrete work using cement content as per approved design mix etc		-	-	-
α	Foundation	CuM	6,461.85	0.32	2,067.79
36	Providing 12mm. thick cement plaster with cement mortar of mix (1:4) in all floors cement and with screened and washed sharp sand for mortar with neat cement punning finished smooth to brick/RCC walls after racking out the joints including watering and curing complete with cost. etc.		-	-	-
		SqM	270.80	1.36	368.29
37	Providing and laying of P.C.C. of 1:3:6 with 12 mm size hard granite metal in foundation trenches, under floors in line level including curing and ramming etc. all complete as per the direction of the Engineer-incharge		0	0	-
	CHAI YO.	Sqm	8,377.30	0.62	5,193.93
38	Fly Ash Brick Masonry in cement mortar of mix (1:6) using Fly Ash bricks of size 25c.m x 12 c.m x 8 c.m in Foundation & Plinth having crushing strength not less than 75 kg per square c.m. with cement and screened & washed sharp sand for mortar after immersing the bricks for 6 (Six) hours in water before use in works with all necessary projections, splays cutting, circular moulding, corbelling, chamfering, watering and curing etc. including cost, coveyance, stacking, loading, unloading, royalties, all taxes, cost of all labour, Labour cess, scaffolding, sundries and T&P required for the works etc. complete in all respect as directed by the Engineer-in-charge.		-	-	-
		CuM	5,397.00	6.37	34,378.89

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
39	Supplying all materials, labour, T&P, fitting and fixing uPVC SWR pipes (Type-B)(Co-moulded Ring type) of approved make confirming to IS-13592/1992with ISI marked, both below & above ground level or fixing on wall surface in all floors including transportation & scaffolding etc. all complete as per specification excluding GST & direction of the Engineer-in-charge.		0	0	-
α	Pipe 110mm dia	R.Mtr	828.11	30.00	24,843.30
ь	110mm×110mm 'P' Trap (Make:Astral)	nos	494.00	2.00	988.00
С	110mm dia single 'Y' withoutdoor	nos	479.00	2.00	958.00
d	110mm WC connector/Bend with lip ring	nos	360.00	2.00	720.00
e	110mm Socket plug	nos	180.00	2.00	360.00
f	Upvc Elbow	nos	786.00	2.00	1,572.00
40	Sinking of 200 mm ×150mm size production well through DTH or combination drilling riges in hard rock area with PVC or GI casing pipes. 120mtr depth (1nos)	L.S	2,00,000.00	1.00	2,00,000.00
41	Supplying, fitting and fixing of Antiskid Ceramic Floor Tiles in flooring using special plain / printed series Ceramic Floor Tile of premium grade (having minimum thickness 7 mm to 8 mm & size 300 mm × 300 mm OR 600 mm ×600 mm, confirming to I.S 13755 of approved quality and shade in floors, treads on steps and landings on 25 m.m thick bed of cement mortar of mix (1:1) laid in proper slope and gradient with screened & washed sharp etc		-		-
	Ground floor	SqM	1,153.90	17.88	20,631.73
42	Supplying, fitting and fixing of ceramic glazed wall Tiles in skirting dado, risers of step and wall using special plain / printed series Ceramic wall Tile of premium grade (having minimum thickness 6.5 mm to 6.7 mm & size 300 mm x 300 mm OR 600mm x300 mm,		-	-	_
	Ground floor	SqM	1,317.60	68.46	90,202.90
	TOTAL of internal PH WORK[I]				6,95,693.31
3	ELECTRICAL WORK				

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount .
1	Wiring for light point/ fan/ exhaust fan point/ call bell point with 1.5 sqmm FRLS PVC insulated copper conductor single core cable in surface / recessed 2 mm thick PVC conduit with modular switch and earthing the point with 1.5 sqmm FRLS PVC insulated copper conductor single core cable including providing modular box with cover of requisite number of modules including providing cover plates as required. Make Conduit:Norepack/Precision/AKG Wire-KEI/Havells/Finolex Switch/socket-Legrand (myrius)/Panasonic(vision)/schneider(zencelo)		-	-	-
a)	Single light point controlled by one 6A switch or first light point of group control.	Each	785.00	20.00	15,700.00
b)	Subsequent point of group control	Each	515.00	4.00	2,060.00
2	Supplying and fixing two module steeped type electronic fan regulator with proper modular plate switch box including connections etc. as required. Switch/socket-Legrand (myrius)/Panasonic(vision)/schneider(zencelo)	Nos.	653.00	2.00	1,306.00
3	Supplying and fixing 6 Amp plug with 6 Amp switch (Modular Type) on existing board.	Nos.	356.00	8.00	2,848.00
4	Supplying and fixing including testing and commissioning of 6A modular socket outlet with 6 Amp switch including providing GI modular box with faceplate etc as required.		-	-	-
a)	1 nos 6 Amp 3-pin socket with 6 Amp switch.	Nos.	512.00	8.00	4,096.00
b)	2 nos 6 Amp 3-pin socket with 2 nos 6 Amp switch.	Nos.	909.00	6.00	5,454.00
5	Supply, installation, testing & commissioning of 6 / 16 Amp Plug Boards consisting of a 16 Amp clip-in type modular switch with indicator and a 6/16 Amp clip-in type modular socket fixed on metallic concealed box including interconnections and making good the damages caused complete as required and as per direction of Engineer-in-charge. Supplying, installation, testing & commissioning of 25		652.00	8.00	5,216.00
6	amp modular socket outlet on surface or in recess, on 1 Nos two module GI box with plate for socket point and one nos two module GI Box with face plate for switch etc. complete as direction of Engineer-in-charge. As per Crabtree(cat no-ACTO202504) or equivalent of Learand/Schneider		1,330.15	4.00	5,320.60
7	Wiring for circuit/ submain wiring along with earth wire of following size of FRLS heavy gauge PVC insulated copper conductor single core cable in heavy duty PVC conduit laid in surface/ recess as required.		-	-	-
a)	2X2.5 + 1X2.5 sqmm FRLS Cu wire (for Light circuit wiring)	mtr	233.05	75.00	17,478.75

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
b)	double core 4 sq mm. copper wire for phase and neutral	mtr	386.00	20.00	7,720.00
c)	double core 6 sq mm. copper wire for phase and neutral	mtr	452.05	20.00	9,041.00
8	Supply, delivery and fixing of Ceiling fan hook box made out of 18 swg GI sheet and containing 10 mm dia round ms bar projecting atleast 150mm on either side & duly bent to accommodate ceiling fan down rod bolt & having earthing arrangement as per direction of Engineer-in-charge.	Nos.	150.00	10.00	1,500.00
9	36Watt LED Light fitting (3300 Lumen) for PHILIPS .(CAT No:RC365B LED33- 6500 PSU OD WH)/Equivalent of Halonix/Panasonic/crompton as required	Each	3,983.00	10.00	39,830.00
10	20Watt LED Surface/suspended Battern Linear Luminaire (2000 Lumen) PHILIPS (CAT No:WT150C LED20S-6500 PSE OD GR) / Equivalent of Halonix/Panasonic/crompton	Each	1,753.00	10.00	17,530.00
11	6Watt LED Light fitting (600 Lumen) PHILIPS (CAT No:DN191B LED6S-6500 PSU WH S1) / Equivalent ofHalonix/Panasonic/crompton	Each	1,231.00	4.00	4,924.00
12	Supplying, installation, testing and commissioning of ceiling fan (5 star rating) including wiring the down rod, earthing etc as required (Make : Bajaj/Usha/		-	-	-
(a)	Crompton/ Orient/ Khaitan/ Havells). 1200 mm sweep	Nos.	2,656.00	10.00	26,560.00
13	Supplying, installation, testing and commissioning of Exhaust fan / fresh air fan with louvre (Make - Bajaj/Usha/ Crompton/ Orient/ Khaitan/ Havells) as required.		-	-	-
a)	225 mm sweep fibre body fresh air fan	Nos.	1,753.00	2.00	3,506.00
14	Supplying, installation, testing and commissioning of Split Air Conditioner (Make -DAIKINI/VOLTAS/BLUE STAR/as required.	Nos.	55,000.00	4.00	2,20,000.00
15	Supplying and fixing following way, TP and neutral, sheet steel, MCB distribution board, IP-43,IK09 with metal door ,415 V, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCBOs/ISOLATORS) Make- Legrand(Ekinoxe3/siemens(Betaguard)/Schneider Acti9		-	-	-
a)	6 way, Double door	Nos.	4,631.00	2.00	9,262.00

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
16	Supplying and fixing following way, single pole and neutral, sheet steel, MCB distribution board, IP-43, IK-09, 240 V, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCBOS/ISOLATORS)		-	-	-
a)	12 way, Double door	Each	2,523.00	2.00	5,046.00
17	Supplying and fixing following rating RCBOs/ MCBs in the existing DB complete with connections, testing and commissioning etc. as required Make-Legrand/L&T/ABB		-		
c)	6 Amp to 32 Amp, 10 KA SP MCB (C-Curve)	Each	305.00	2.00	610.00
18	Supplying and fixing of following sizes of heavy gauge PVC conduit along with accessories in surface/recess including cutting the wall and making good the same in case of recessed conduit as required.		-	-	
a)	20 mm	mtr	52.00	100.00	5,200.00
19	Earthing with GI earth pipe 4.5 meter long,40mm dia incluiding accessories and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc with charcoal/coke and salt as required	Nos.	5,809.32	1.00	5,809.32
20	Providing and fixing 25 mm X 5mm GI strip on surface or in recess for connection etc as required.	Mtr	129.00	5.00	645.00
21	Providing and fixing 6 SWG GI wire on surface or in recess for loop earthing along with surface/recessed MS Conduit/submain wiring/cables etc as required.	Mtr	37.00	5.00	185.00
	Total Chadried Amount		-	-	4 17 047 77
	Total Electrical Amount		-	-	4,16,847.67
4	FIRE FIGHTING SYSTEM		_	-	
			-	-	
1	Supplying installation testing and commissioning of ABC type fire extinguishers of 6 kg capacity confirming to IS:14609 & ABC powder confirming IS:13849 presurized with Nitrozen Gas marked.including cost of all material & labour for all floors & service building etc. all complete. Make-KANEX/FIRE SHILD /SAFEX or equivalent	Nos	3,264.00	2.00	6,528.00

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
2	Supplying, installation, testing and commissioning of CO_2 type Fire Extinguisher 4.5 kg capacity confirming to IS: 2878 made from ISI marked seamless cylinder confirming to IS: 7285, fitted with ISI marked controlled valve confirming to IS: 3224, high pressure 1mtr discharge hose & horn complete with initial gas charged with carrying handle & wall mounting bracket for all floors & service building etc. as per direction of Engineer-in-charge.Make-KANEX/FIRE SHILD /SAFEX or equivalentor equivalent	Nos	7,700.00	2.00	15,400.00
3	Supplying, installation, testing and commissioning of Mechanical Foam type 9 litre capacity Fire Extinguisher, ISI marked, IS: 10204, containing 540 ml AFFF liquid ISI marked, IS: 4989 Part II and a polyurethane coated CO2 Gas Cartridge, ISI marked, IS: 4947 complete with gunmetal union cap, nylon hose with plastic foam making branch and wall mounting bracket as per direction of Engineer-in-charge.	Each	3,659.00	2.00	7,318.00
4	Sand Buket as per IS Specicification	Each	500.00	3.00	1,500.00
5	Buket Stand to Store 10 nos of Buket also having Aluminium sheet above the to prevent the stand from rain/sunst.	Nos	2,820.00	1.00	2,820.00
	Total Fire Fighting Amount				33,566.00