



इंजीनियरिंग प्रोजेक्ट्स (इंडिया) लि.
(भारत सरकार का उद्यम)
ENGINEERING PROJECTS (INDIA) LTD.
(A Government of India Enterprise)

AN ISO 9001 & 14001 COMPANY

TENDER DOCUMENT

NIT No: PCO/BBSR/980/175

FOR

Tender for Construction of Multi-Purpose Centre (MPC) at
various locations for district of Malkangiri, Odisha

VOLUME – III

Price Bid

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 MALKANGIRI

Contract No: PCO/BBSR/980/175 Date- 06.07.2024

Name of the Bidder/ Bidding Firm / Company :							
<div>PRICE SCHEDULE</div> <div>(This BOQ template must not be modified/replaced by the bidder and the same should be uploaded after filling the relevent columns, else the bidder is liable to be rejected for this tender. Bidders are allowed to enter the Bidder Name and Values only)</div>							
NUMBER #	TEXT #	NUMBER #	TEXT #	NUMBER	NUMBER #	NUMBER #	TEXT #
Sl. 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 MALKANGIRI (Including Architectural Consultancy Services)	1.000	LS	11038124.00	11038124.00		INR One Crore Ten Lakh Thirty Eight Thousand One Hundred & Twenty Four Only
Total in Figures					11038124.00		INR One Crore Ten Lakh Thirty Eight Thousand One Hundred & Twenty Four Only
Quoted Rate in Figures			Select		0.00	0.00	INR Zero Only
Quoted Rate in Words		INR Zero Only					

TENDER FOR CONSTRUCTION OF MULTI-PURPOSE CENTRE (MPC) AT VARIOUS LOCATIONS FOR DISTRICT OF MALKANGIRI		
NIT No: PCO/BBSR/980/175 Date- 06.07.2024		
Sl. No.	Description of Works	Amount in Rs.
A	MPC AT DAMDARBEDA	
I	Architectural Consultancy Services for MPC at Damdarbeda	54,640.30
II	CIVIL WORKS	43,15,031.66
III	PH & SANITARY WORKS	6,98,584.31
IV	ELECTRICAL WORKS	4,16,847.67
V	Fire Fighting Systems.	33,566.00
	TOTAL (A)	55,18,670.00
B	MPC AT SURIPADA	
I	Architectural Consultancy Services for MPC at Suripada	54,648.06
II	Civil works	4315808.12
III	PH & Sanitaryworks	698584.31
IV	Electrical works	416847.67
V	Fire Fighting works	33566.00
	TOTAL (B)	55,19,454.00
	TOTAL Sum (A + B)	1,10,38,124.00
One Crore Ten Lakh Thirty Eight Thousand One Hundred & Twenty Four Only		

TENDER FOR CONSTRUCTION OF MULTI-PURPOSE CENTRE (MPC) AT VARIOUS LOCATIONS FOR DISTRICT OF MALKANGIRI					
MULTI-PURPOSE CENTRE (MPC) AT DAMDARBEDA, MALASPADAR, KORKUNDA IN THE DISTRICT OF MALKANGIRI					
NIT No: PCO/BBSR/980/175 Date- 06.07.2024					
Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
	Architectural Consultancy Services	Lot	54640.3	1	54,640.30
	Sub Total				54,640.30
1	CIVIL WORKS				
A	EARTH WORK				
1	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 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	198.71	41,921.85
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	CuM	840.70	193.64	1,62,793.15
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	2,397.30	51.75	1,24,060.28
B	PLAIN & REINFORCEMENT CONCRETE		-	-	-
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	5,168.70	34.35	1,77,544.85
2	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 including Rigid & smooth centering and shuttering.		-	-	-
a	For R.C.C foundation, footing bases of column, mass concrete,pre-cast etc.	CuM	6,461.85	68.94	4,45,479.94

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
b	For R.C.C plinth band etc.	CuM	7,283.30	11.99	87,326.77
c	R.C.C Beam & Coloum		-	-	-
i	Ground Floor	CuM	14,285.80	26.87	3,83,859.45
d	Lintel		-	-	-
i	Ground Floor	CuM	13,564.80	3.38	45,849.02
f	Chaja		-	-	-
i	Ground Floor	Sqm	1,126.45	12.15	13,686.37
g	Roof slab,Landing,Balcony,		-	-	-
i	Ground Floor	CuM	12,878.80	27.43	3,53,265.48
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		-	-	-
a	Foundation	Qntl	8,861.00	45.93	4,06,985.73
b	Ground floor	Qntl	8,861.00	72.87	6,45,701.07
C	BRICK WORK		-	-	-
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.		-	-	-
	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.		-	-	-
a	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]		-	-	-
a	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 masonry 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, royalties 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	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 masonry 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,royalties 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
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		-	-	-
a	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.		-	-	-
a	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

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.		-	-	-
a	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		-	-	-
a	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, royalty of all materials and labour with T&P required for the work with royalties, 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, 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	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.	Rmt	3,524.00	22.50	79,290.00
			-	-	-
H	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 CIVIL WORK				43,15,031.66
2	PLUMBING AND SANITARY WORK				
I	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	5,616.51	2.00	11,233.02

Item No/S.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		-	-	-
		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		-	-	-
		NOS	1,841.80	4.00	7,367.20
13	Supplying all materials, labour, T&P and fittings and fixing of Poly Propylene 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 masonry guard walls which will be paid separately)		-	-	-
a	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.		-	-	-
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
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)				
a	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
c	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
18	Supplyng all materials, labour, T&P for construction of brick masonry Gulley trap chamber of size 300mm 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	3,609.00	2.00	7,218.00
19	Providing all materials labour, T&P for making grooves in bricks/stone masonry 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 mortar (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	250.90	20.00	5,018.00
II	External PH		-	-	-
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-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 masonry chamber for water sluice valve, single air valve & non return valve with Fly ash brick masonry 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	9,802.00	1.00	9,802.00
			-	-	-
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		-	-	-
		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, voltmeter, 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 (Hydraulic excavator)/ manual means over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10sqm on plan) including 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-		-	-	-
a	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	840.70	2.73	2,295.11

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,	CuM	5,168.70	0.75	3,876.53
27	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	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
28	Cutting, straightening coiled or bent up HYSD/TMT Reinforcement 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..				-
		Sqm	6,225.40	0.34	2,116.64
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	114.90	5.55	637.70
	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	840.70	1.00	840.70
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,	CuM	5,168.70	0.62	3,204.59

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 less than 250kg/sq.cm for reinforced cement concrete work using cement content as per approved design mix etc		-	-	-
a	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-in-charge..				-
		Sqm	8,376.90	0.62	5,193.68
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, conveyance, 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-13592/1992 with 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.				-
a	Pipe 110mm dia	R.Mtr	828.11	30.00	24,843.30
b	110mmx110mm 'P' Trap (Make:Astral)	nos	494.00	2.00	988.00
c	110mm dia single 'Y' without door	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 GT 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 &		-	-	-
	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]				6,98,584.31
3	ELECTRICAL 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/Finox Switch/socket-Legrand				
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 (mynine)/Panasonic(wision)/schneider(zanale)	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-	Nos.	652.00	8.00	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 <u>surface/ recess as required</u>		-	-	-
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 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/ 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(Ekinox3/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-Leopand/L&T/ABB		-	-	-
a)	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 including 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
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 equivalent or 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 CO ₂ 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	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 Specification	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 MALKANGIRI					
MULTI-PURPOSE CENTRE (MPC) AT SURIPADA, MALASPADAR, KORKUNDA IN THE DISTRICT OF MALKANGIRI					
NIT No: PCO/BBSR/980/175 Date- 06.07.2024					
Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
	Architectural Consultancy Services	Lot	54648.06	1	54,648.06
	Sub Total				54,648.06
1	CIVIL WORKS				
A	EARTH WORK				
1	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 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	200.86	42,375.43
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	CuM	840.70	193.64	1,62,793.15
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	2,397.30	51.75	1,24,060.28
B	PLAIN & REINFORCEMENT CONCRETE		-	-	-
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	5,168.70	34.35	1,77,544.85

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
2	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 including Rigid & smooth centering and shuttering.		-	-	-
a	For R.C.C foundation, footing bases of column, mass 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	12.01	87,472.43
c	R.C.C Beam & Coloum		-	-	-
i	Ground Floor	CuM	14,285.80	26.87	3,83,859.45
d	Lintel		-	-	-
i	Ground Floor	CuM	13,564.80	3.38	45,849.02
f	Chaja		-	-	-
i	Ground Floor	Sqm	1,126.45	12.15	13,686.37
g	Roof slab, Landing, Balcony,		-	-	-
i	Ground Floor	CuM	12,878.80	27.43	3,53,265.48
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 etc winding wire extra		-	-	-
a	Foundation	Qntl	8,861.00	45.95	4,07,162.95
b	Ground floor	Qntl	8,861.00	72.87	6,45,701.07
C	BRICK WORK		-	-	-
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, conveyance, 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, conveyance, 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	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]		-	-	-
a	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 masonry 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, royalties 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	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 masonry 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, royalties 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
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		-	-	-
a	Ground Floor	SqM	81.61	924.15	75,419.88

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
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.		-	-	-
a	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. complete.		-	-	-
a	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		-	-	-
a	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, royalty of all materials and labour with T&P required for the work with royalties, taxes etc.complete in all floors as per direction of Engineer-in-charge.	SqM	174.10	20.57	3,581.24
F	DOOR & WINDOW		-	-	-

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
1	Providing and fixing unplasticised poly vinyl chloride (UPVC) door including 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
6	STEEL WORK		-	-	-
			-	-	-
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 aspect	Rmt	3,524.00	22.50	79,290.00
			-	-	-
H	Grading plaster		-	-	-

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
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 CIVIL WORK				43,15,808.12
2	PLUMBING AND SANITARY WORK				
I	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	5,616.51	2.00	11,233.02
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

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
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
			-	-	-
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		-	-	-
		Nos	1,369.70	2.00	2,739.40

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
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
13	Supplying all materials, labour, T&P and fittings and fixing of Poly Propylene 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 masonry guard walls which will be paid separately)		-	-	-
a	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.		-	-	-
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
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)				
a	25mm Dia	Nos	842.00	1.00	842.00
b	32mm Dia	Nos	1,589.00	1.00	1,589.00
c	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.		-	-	-

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
		Nos	167.40	2.00	334.80
18	Supplying all materials, labour, T&P for construction of brick masonry Gulley trap chamber of size 300mm 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 gulley trap with supply of all jointing materials and encasing the gulley 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	3,609.00	2.00	7,218.00
19	Providing all materials labour, T&P for making grooves in bricks/stone masonry 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 mortar (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	250.90	20.00	5,018.00
II	External PH		-	-	-
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-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 masonry chamber for water sluice valve, single air valve & non return valve with Fly ash brick masonry 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	9,802.00	1.00	9,802.00
			-	-	-
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		-	-	-
		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, voltmeter, 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 (Hydraulic excavator)/ manual means over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10sqm on plan) including 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-		-	-	-
a	Earth work excavation beyond 1.50mtr depth	CuM	210.97	6.00	1,265.82

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
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	840.70	2.73	2,295.11
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,	CuM	5,168.70	0.75	3,876.53
27	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	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
28	Cutting, straightening coiled or bent up HYSD/TMT Reinforcement 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..				-
		Sqm	6,225.40	0.34	2,116.64
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	114.90	5.55	637.70
	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	840.70	1.00	840.70
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,	CuM	5,168.70	0.62	3,204.59
35	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	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-in-charge..				-
		Sqm	8,376.90	0.62	5,193.68
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, conveyance, 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-13592/1992 with 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.				-
a	Pipe 110mm dia	R.Mtr	828.11	30.00	24,843.30
b	110mmx110mm 'P' Trap (Make:Astral)	nos	494.00	2.00	988.00
c	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
f	110mm Socket plug	nos	180.00	2.00	360.00
g	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 GT 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 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 &		-	-	-
	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]				6,98,584.31
3	ELECTRICAL 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		-	-	-

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
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 (myniue)/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.	Nos.	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-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 Battarn 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

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
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(Ekinox3/siemens(Betaguard)/Schneider Acti9		-	-	-
a)	6 way, Double door	Nos.	4,631.00	2.00	9,262.00
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		-	-	-
a)	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 including 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

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
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
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 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 CO ₂ 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	Each	3,659.00	2.00	7,318.00
4	Sand Buket as per IS Specification	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