



AN ISO 9001 & 14001 COMPANY

TENDER DOCUMENT

NIT No: PCO/BBSR/982/203

FOR

Tender for Construction of 100 Seated Hostel under PM-JANMAN Scheme at Chikitamatia Educational Complex, SSD Govt. Girls High School, Mayurbhanj, Odisha.

VOLUME – III

Price Bid

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

Name of Work: Tender for Construction of 100 Seated Hostel under PM-JANMAN Scheme at Chikitamatia Educational Complex, SSD Govt. Girls High School, Mayurbhanj, Odisha.

Contract No: PCO/BBSR/982/203 Date- 15.10.2024

<div> <div>Name of the Bidder/ Bidding Firm / Company :</div> <div></div> </div>						
<div> <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> </div>						
NUMBER #	TEXT #	NUMBER #	TEXT #	NUMBER	NUMBER #	TEXT #
Sl. No.	Item Description	Quantity	Units	Estimated Rate in Rs. P	TOTAL AMOUNT in Rs. P	TOTAL AMOUNT In Words
1	2	3	4	5	6	8
1	Tender for Construction of 100 Seated Hostel under PM-JANMAN Scheme at Chikitamatia Educational Complex, SSD Govt. Girls High School, Mayurbhanj, Odisha. (Including Achitectural Consultancy Services)	1.000	LS	24553120.00	24553120.00	INR Two Crore Forty Five Lakh Fifty Three Thousand One Hundred & Twenty Only
2	GST	1.000	LS	4419561.60	4419561.60	INR Forty Four Lakh Nineteen Thousand Five Hundred & Sixty One and Paise Sixty Only
Total in Figures					28972681.60	INR Two Crore Eighty Nine Lakh Seventy Two Thousand Six Hundred & Eighty One and Paise Sixty Only
Quoted Rate in Figures			Select		0.00	INR Zero Only
Quoted Rate in Words		INR Zero Only				

Tender for Construction of 100 Seated Hostel under PM-JANMAN Scheme at Chikitamatia Educational Complex, SSD Govt. Girls High School, Mayurbhanj, Odisha.

NIT No: PCO/BBSR/982/203 Date- 15.10.2024

Sl. No.	Description of Works	Amount in Rs.
A	Architectural Consultancy Services	2,43,100.19
	Sub Total (A)	2,43,100.19
B	BHUBANI, BLOCK-GUMMA	
i	Civil works	1,99,16,737.15
ii	PH Works	24,43,213.24
iii	Electrical Works	19,01,880.00
iv	Fire Fighting Works	48,189.00
	Sub Total (B)	2,43,10,019.39
	TOTAL Sum (A + B)	2,45,53,120.00

Two Crore Forty Five Lakh Fifty Three Thousand One Hundred & Twenty Only

TENDER FOR CONSTRUCTION OF 100 SEATED HOSTEL UNDER PM-JANMAN SCHEME AT CHIKITAMATIA EDUCATIONAL COMPLEX, SSD GOVT. GIRLS HIGH SCHOOL, MAYURBHANJ, ODISHA

NIT No: PCO/BBSR/982/203 Date- 15.10.2024

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
	Architectural Consultancy Services	Lot	243100.194	1	243100.1939
	Sub Total (A)				2,43,100.19
A	CIVIL WORK				
1	EARTH WORK				
1.1	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	269.70	327.01	88,194.59
ii	Soft Rock	CuM	420.61	61.39	25,821.24
iii	Hard Rock	CuM	743.11	20.46	15,204.03
1.2	extra for every additional lift of 1.5 m or part there of in excavation/ banking excavated or stacked materials		-	-	-
	Ordinary Soil	CuM	21.40	58.65	1,255.11
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	1,104.30	525.28	5,80,066.70
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	149.80	117.66	17,625.46
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	2,380.30	91.00	2,16,607.30

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
5	Supplying , diluting and and preparing chemical emulsion like CHLORPYRIPHOS or other chemicals approved by central Insecticides Board or as directed by the manufacturer and spraying the mixture uniformly by sprayer as pre-constructional anti termite treatment and creating a chemical barrier under and around wall trenches, basement excavation, top surface of plinth filling, junction of walls and floors along with external perimeter of the building, surrounding the pipes and conduits etc. complete at the rate of 7.5 litres (or as directed by the manufacturer) per sqm on vertical and 5.0 liters per sqm on horizontal surfaces, 50% of the emulsion to be filled in the holes made in trenches at 150mm center to center etc. complete.as per IS:6313/1981 (PART-II) and as per the direction of engineer-in-charge including all cost of materials labour, taxes etc. all complete.	SqM	162.00	375.00	60,750.00
6	PLAIN & REINFORCEMENT CONCRETE		-	-	-
6.1	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	6,548.10	78.81	5,16,055.76
7	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		-	-	-
7.1	For R.C.C foundation, footing bases of column, mass concrete,pre-cast etc.	CuM	7,800.45	53.54	4,17,636.09
7.2	For R.C.C plinth band etc.	CuM	8,666.70	22.92	1,98,640.76
7.3	R.C.C Beam & Coloum		-	-	-
i	Ground Floor	CuM	16,924.40	38.13	6,45,327.37
ii	First Floor	CuM	18,941.50	37.12	7,03,108.48
iii	Second Floor	CuM	21,356.30	37.12	7,92,745.85
iv	Terrace Floor	CuM	24,246.70	13.55	3,28,542.78
7.4	Lintel		-	-	-
i	Ground Floor	CuM	15,454.00	4.28	66,143.12
ii	First Floor	CuM	16,374.10	4.36	71,391.07
iii	Second Floor	CuM	19,238.30	4.36	83,878.98
iv	Terrace Floor	CuM	21,705.70	0.12	2,604.68
7.5	R.C.C Stair		-	-	-
i	Ground Floor	CuM	16,813.50	4.85	81,545.47
ii	First Floor	CuM	18,807.90	4.85	91,218.31
iii	Second Floor	CuM	21,195.30	4.85	1,02,797.20
iv	Third Floor	CuM	24,054.00	-	-

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
7.6	Chaja		-	-	-
i	Ground Floor	Sqm	1,294.06	28.96	37,475.97
ii	First Floor	Sqm	1,467.41	16.20	23,772.04
iii	Second Floor	Sqm	1,674.99	16.20	27,134.83
iv	Terrace Floor	Sqm	1,923.66	1.62	3,116.32
7.7	Roof slab,Landing,Balcony,		-	-	-
i	Ground Floor	CuM	14,972.20	50.06	7,49,508.33
ii	First Floor	CuM	16,599.10	50.06	8,30,950.94
iii	Second Floor	CuM	18,544.70	50.06	9,28,347.68
iv	Terrace Floor	CuM	20,872.70	8.50	1,77,417.95
8	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		-	-	-
8.1	Foundation	Qntl	9,051.00	89.10	8,06,444.10
8.2	Ground floor	Qntl	9,051.00	119.33	10,80,055.83
8.3	First Floor	Qntl	9,083.00	115.88	10,52,538.04
8.4	Second Floor	Qntl	9,117.00	115.88	10,56,477.96
8.5	Terrace Floor	Qntl	9,153.00	38.76	3,54,770.28
9	BRICK WORK		-	-	-
9.1	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	5,737.00	25.66	1,47,211.42
9.2	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	5,770.00	109.37	6,31,064.90
b	1st Floor	CuM	6,136.00	104.49	6,41,150.64
c	2nd Floor	CuM	6,556.50	98.54	6,46,077.51

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
d	Terrace Floor	CuM	7,040.00	46.60	3,28,064.00
9.3	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	5,980.71	9.91	59,268.83
b	1st Floor	CuM	6,339.76	5.55	35,185.66
c	2nd Floor	CuM	6,764.42	5.55	37,542.53
10	PLASTERING & PAINTING		-	-	-
10.1	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	196.60	550.90	1,08,306.94
b	First floor	SqM	201.10	748.96	1,50,615.85
c	Second floor	SqM	205.80	714.13	1,46,967.95
d	Terrace floor	SqM	210.60	177.82	37,448.89
10.2	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	281.10	436.79	1,22,781.66
b	First floor	SqM	287.90	543.03	1,56,338.33
c	Second floor	SqM	294.90	681.56	2,00,992.04
d	Terrace floor	SqM	302.10	177.82	53,719.42
10.3	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.		-	-	-

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
a	Ground floor	SqM	175.80	550.90	96,848.22
b	First floor	SqM	179.90	748.96	1,34,737.90
c	Second floor	SqM	184.10	714.13	1,31,471.33
d	Terrace floor	SqM	188.40	177.82	33,501.28
10.4	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	175.00	805.69	1,40,995.75
b	First floor	SqM	179.10	859.80	1,53,990.18
c	Second floor	SqM	183.30	945.82	1,73,368.80
d	Terrace floor	SqM	187.60	232.00	43,523.20
10.5	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	257.80	47.90	12,348.62
b	First floor	sqm	259.05	50.49	13,079.43
c	Second floor	sqm	260.35	50.49	13,145.07
d	Terrace floor	sqm	261.68	4.95	1,295.31
11	FLOORING		-	-	-
11.1	2.5 cm thick AS Flooring (1:2:4) with 12mm & down grades size hard granite crusher broken chips on new work in Ground Floor.		-	-	-
a	Ground floor	SqM	426.40	341.00	1,45,402.40
b	First floor	SqM	440.30	256.08	1,12,752.02
c	Second floor	SqM	455.00	203.58	92,628.90
11.2	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.		-	-	-
a	Ground floor	SqM	239.90	53.72	12,887.42
b	First floor	SqM	244.70	33.66	8,236.60
c	Second floor	SqM	249.70	27.43	6,849.27
			-	-	-

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
12	DOOR & WINDOW		-	-	-
12.1	Providing and fixing factory made 100% solid wood plastic composite (WPC) door frames made from wood plastic composite (single extruded process) material with density 0.78kg/cum. Water absorption not more than .01% cum.	Rmt	1,440.56	152.40	2,19,541.34
12.2	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	31.50	2,82,334.50
12.3	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	4,476.00	64.26	2,87,627.76
12.4	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	7,969.60	147.35	11,74,320.56
13	STEEL WORK		-	-	-
13.1	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 suppl	KG	90.50	4,501.57	4,07,392.08

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
13.2	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	Rmt	3,589.00	90.00	3,23,010.00
14	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	406.77	1,57,542.02
	TOTAL CIVIL WORK				1,99,16,737.15
B	PH WORK				
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	5,807.01	11.00	63,877.11
2	Supplying all materials, labour and T&P for fitting and fixing white glazed vitreous china porcelain European water closets 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	9,436.00	1.00	9,436.00
3	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.		-	-	-

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
		Nos	12,385.50	6.00	74,313.00
4	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	1,011.00	12.00	12,132.00
5	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	9,320.30	9.00	83,882.70
6	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	1,882.00	12.00	22,584.00
7	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	1,172.00	10.00	11,720.00
8	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	1,635.00	9.00	14,715.00
9	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	2.00	4,214.00
			-	-	-

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
10	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	1,882.30	10.00	18,823.00
11	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	1,011.00	12.00	12,132.00
12	Supplying all materials, labour, T&P and fixing standard sized paper holder 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	1,451.00	-	-
13	Supplying all materials, labour, T&P and fixing standard sized CP soap Dish holder 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	795.00	11.00	8,745.00
14	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	1,413.20	7.00	9,892.40
15	Supplying all material, labour T&P and fixtures for providing and fixing of stain less steel sink of size 600x450x225mm of approved make with its components like 40mm CP waste of cat no ALD 709, 40mm waste pipe etc, including all requisite fixing materials complete as per the PH specification and direction of Engineer-in-charge		-	-	-
		Nos	6,912.70	1.00	6,912.70
16	Supplying all materials, labour, T&P and fixing standard sized sink cock of florentine single lever quaterturn of approved make 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	1,882.30	1.00	1,882.30

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
17	Providing and fixing circular type stainless steel jalli (grating) with hole for floor /nahani trap etc complete as per PH specification and direction of the engineer in charge		-	-	-
		NOS	75.30	22.00	1,656.60
18	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	1,926.10	6.00	11,556.60
19	Supplying all materials, labour, T&P and fixing standard sized glass-shelf with CP brass brackets and guard rails complete fixed to woden plugs with CP screws as per specification and direction of the Engineer in charge		-	-	-
		nos	1,789.00	6.00	10,734.00
20	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 masonry guard walls which will be paid separately)		-	-	-
a	2000 ltr	Nos	26,141.40	4.00	1,04,565.60
21	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	15 mm dia	R.mtr	236.00	36.00	8,496.00
b	20 mm dia	R.mtr	307.30	36.00	11,062.80
c	25 mm dia	R.mtr	394.10	96.00	37,833.60
d	32 mm dia	R.mtr	592.70	96.00	56,899.20
e	40mm dia	R.mtr	761.50	48.00	36,552.00
f	50 mm dia	R.mtr	1,183.00	24.00	28,392.00
22	Providing all materials, labour, Fitting & fixing of CPVC Ball Valve with CTS socket. Make : Prince)		-	-	-

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
a	25mm Dia	Nos	842.00	4.00	3,368.00
b	32mm Dia	Nos	1,608.00	6.00	9,648.00
c	40mm dia	Nos	2,410.00	2.00	4,820.00
d	50mm dia	Nos	3,342.00	2.00	6,684.00
23	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	67.40	10.00	674.00
24	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	6.00	1,004.40
25	Supplyng all materials, labour, T&P for construction of brick masonry 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	3,856.00	6.00	23,136.00
26	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	289.30	168.00	48,602.40
II	External PH		-	-	-

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
1	Supplying all materials, labour, T&P, fitting & fixing of 50mm dia brass / GM Full way Valve of approved make including supply of all necessary jointing materials such as red lead paint, yarns etc. including cost, conveyance & taxes of all materials, T&P etc. all complete as per P.H. specification and as per the direction of the EIC.		-	-	-
a		Nos	3,342.00	1.00	3,342.00
2	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	1,183.00	10.00	11,830.00
3	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	10,771.00	1.00	10,771.00
4	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

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
	Septic Tank		-	-	-
5	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-in-charge.		-	-	-
a	Earth work excavation beyond 1.50mtr depth	CuM	269.70	20.35	5,488.39
b	Extra for every additional lift of 1.5 m or part thereof in excavation / banking excavated or stacked materials.	CuM	21.40	2.39	51.14
6	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	885.90	8.51	7,539.00
7	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	7,832.90	1.80	14,099.22
8	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	7,800.45	2.39	18,643.07
b	RCC Wall	CuM	8,666.70	5.27	45,673.50
c	Slab	CuM	14,972.20	2.39	35,783.55
9	Cutting, straightening coiled or bent up HYSD/TMT Reinforcement Bars welding or jointing if necessary, bending, binding, tying the grills as etc	Qntl	9,051.00	7.24	65,529.24
10	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	196.60	32.11	6,312.82

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
11	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	630.00	0.90	567.00
12	Finishing walls with water proofing cement paint of approved shade on new work Two coat to give an even shade		-	-	-
		Sqm	44.50	32.11	1,428.89
13	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	1,104.30	16.82	18,574.32
	Soak Pit		-	-	-
14	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	885.90	1.00	885.90
15	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	7,832.90	0.92	7,206.26
16	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	7,800.45	0.32	2,496.14
17	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	196.60	12.17	2,392.62
18	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	9,299.10	0.92	8,555.17

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
19	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	5,737.00	13.27	76,129.99
20	Supplying all materials, labour, T&P, fitting and fixing uPVC SWR pipes (Type-B)(Co-moulded Ring type) of approved make conforming 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	90.00	74,529.90
b	Pipe 160mm dia	R.Mtr	1,314.84	-	-
c	110mmx110mm 'P' Trap (Make:Astral)	nos	494.00	22.00	10,868.00
d	110mmx87.5° Plain bend	nos	276.00	10.00	2,760.00
e	110mmx87.5° Door bend	nos	302.00	10.00	3,020.00
f	110mmx45° Plain bend	nos	227.00	10.00	2,270.00
g	110mm dia single 'Y' withoutdoor	nos	479.00	12.00	5,748.00
h	110mm WC connector/Bend with lip ring	nos	360.00	12.00	4,320.00
i	110mm Socket plug	nos	180.00	12.00	2,160.00
j	110mm Pushfit Coupler	nos	268.00	12.00	3,216.00
k	Upvc Tee (150 x 150 x 150)mm	nos	1,246.00	12.00	14,952.00
l	Upvc Elbow	nos	786.00	24.00	18,864.00
	Sinking of 200mm x 150mm Dia Production Well - 01 Nos		-	-	-
21	Conducting reconnaissance survey, integrated Hydrological & Geophysical (Electrical Resistivity method) survey and selection of potential source for exploration of Ground Water including selection and recommendation of site for drilling production wells in selected area.	Job	6,000.00	1.00	6,000.00

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
22	Labour for drilling a perfectly vertical bore hole for a specified dia for a specified depth below G.L through consolidated and un-consolidated rocks with down the hole hammer drilling rig or combination drilling rig (1200 cfm/ 300 psi) as required to suit the site condition as per the direction of EIC including use of own rigs with its accessories, T&P & consumables etc. for lowering of 200mm dia PVC/GI pipes for housing fitted with socket and with or without well screen as per the necessity for soft, medium, hard and boulder formation (GI/ PVC casing pipes, if required to prevent collapse of over burden is to be provided by the contractor including lowering and withdrawing after completion of the Tube Well).		-	-	-
a)	Labour for drilling of 200mm dia & 150mm dia bore from '0' mtr. to '100' mtr.	Mtr.	630.00	75.00	47,250.00
23	Providing & lowering the following size PVC pipes (ASTM) with or without slotted pipes as per the necessity from 1.00m above ground level up to required depth and fitting and fixing up in perfectly vertical position, including cutting, threading pipe and slotted pipe and supplying and fixing all jointing materials, T&P etc. complete and keeping the top of the casing pipe threaded including plugging the tube well to prevent entry of foreign materials from above. The cost inclusive of pipes, fittings, labour, consumables, POL, consumables with hire & running charges of machinaries etc. as per specification & direction of EIC.		-	-	-
a)	Lowering of 200mm (8'') dia PVC plastic pipes Sch-80 as per ASTM-D-1785/2004 upto required depth.	Mtr.	1,600.00	65.00	1,04,000.00
24	Cleaning and developing the tube well using their own compressor continuously worked till clear and adequate discharge is obtained from the tube well including supply and use of all necessary equipment, labour, all consumables, running & hire charges of machinaries etc. all complete as per the direction of the EIC	Job	4,600.00	1.00	4,600.00
25	Supplying all materials, labour & tools and plant and grouting with cement slurry for sanitary sealing around the GI/PVC casing pipe up to 3mtrs below ground level to plug the bore hole including cost of cement all complete as per specification & direction of the Engineer-in-Charge.	Job	2,550.00	1.00	2,550.00

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
26	Providing all materials required for construction of brick masonry chamber for encasing the production well with Fly Ash bricks of size 25cm x 12cm x 8cm having crushing strength not less than 75Kg/Sqcm in C.M (1:4), PCC 1:3:6 with 40mm size hard granite crusher broken metal of 150mm thick on base & 100mm thick on top of the chamber, encasing the annular area of casing pipe with cement concrete 1:2:4 of minimum size 450mmx450mmx1200mm height including form work, filling the inside cavity with sand, C.C. 1:2:4 on top of the chamber of 50mm thick, 12mm thick cement plaster 1:4 on outer wall & top surface, earth work excavation in all kinds of soil/rock including back filling with selected excavated earth duly watered & rammed with smooth finishing. The height of chamber should be 450mm from G.L. The cost inclusive of all materials, labour, T&P etc. complete as per specification & direction of Engineer-in-charge.		-	-	-
a)	Outer size 1400mm x 1400mm x 1200mm ht. chambers	No.	12,500.00	1.00	12,500.00
27	Supply, installation, testing & commissioning of Submersible Pump set with accessories		-	-	-
a)	Supply, Installation, testing & commissioning of 3-phase, 50Hz Submersible pump set of required head & discharge including HDPE delivery pipes of 10 Kg/cm ² of material grade P.E.-80, Suitable size of three core flat cable with Bore bunched copper conductor insulated sheathed with PVC for Submersible Motor with voltage grade up to 1100 Volt confirming to IS-694/1990 of required length, out door control panel & required accessories suitable for 200x150mm size Production Well with required earthing & service connection from existing source etc. all complete as per specification & direction of EIC.	Job	32,000.00	1.00	32,000.00
	Toilet Flooring				
28	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	1,321.80	51.24	67,729.03
	First floor	SqM	1,350.70	40.83	55,149.08
	Second	SqM	1,381.00	40.83	56,386.23

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
29	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	1,432.70	156.00	2,23,501.20
	First floor	SqM	1,474.20	144.78	2,13,434.67
	Second	SqM	1,517.70	144.78	2,19,732.60
30	Providing and laying water proofing treatment in sunken portion of WCs, bathroom etc., by applying cement slurry mixed with water proofing cement compound consisting of applying : (a) First layer of slurry of cement @ 0.488 kg/sqm mixed with water proofing cement compound @ 0.253 kg/ sqm. This layer will be allowed to air cure for 4 hours. (b) Second layer of slurry of cement @ 0.242 kg/sqm mixed with water proofing cement compound @ 0.126 kg/sqm. This layer will be allowed to air cure for 4 hours followed with water curing for 48 hours. The rate includes preparation of surface, treatment and sealing of all joints, corners, junctions of pipes and masonry with polymer mixed slurry.	SqM	345.00	427.00	1,47,315.00
	TOTAL of internal PH WORK				24,43,213.24
C	Electrical Works				
I	INTERNAL WIRING.				
1	Recessed wiring to light point / first light of group control/ call bell point/ exhaust fan point /wall fan point with 1.5 sq.mm FRLSH PVC insulated single core multistrand copper conductor of ISI marked in 20 mm dia non-metallic PVC conduit with 6 Amp, 250 V clip in type switch ISI marked and ceiling rose ISI marked mounted on G.I modular box with face plate & cover of suitable size , with 1.5 sq.mm FRLSH PVC insulated single core multistrand copper conductor as earth wire including all accesories and connection as per direction of Engineer in Charge.				
a)	Group A	Nos.	129.00	969.00	1,25,001.00
b)	Group B	Nos.	54.00	1,442.00	77,868.00
c)	Group C	Nos.	32.00	1,992.00	63,744.00

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
2	Recessed wiring to secondary light point looped from primary light point with 1.5sqmm FRLSH PVC insulated single core multistrand copper conductor of ISI marked with 20mm dia non-metallic PVC conduit with 1.5sqmm FRLSH PVC insulated single core multistrand copper conductor for running earth including 3 plate ISI marked Ceiling rose with all accessories & connection as per direction of Engineer-in-charge.	Nos.	16.00	639.00	10,224.00
3	Recessed wiring to fan point with 1.5 sq.mm FRLSH PVC insulated single core multistrand copper conductor of ISI marked in 20 mm dia non-metalic PVC conduit with 6 Amp, 250 V clip in type switch ISI marked, ceiling rose and Modular Stepped Fan Regulator mounted on G.I modular box with face plate & cover of suitable size with 1.5 sq.mm FRLSH PVC insulated single core multistrand copper conductor as earth wire including all accesories and connection as per direction of Engineer in Charge.	Nos.	50.00	2,561.00	1,28,050.00
4	Recessed wiring to Twin control light point with 1.5 sq.mm FRLSH PVC insulated single core multistrand copper conductor of ISI marked in 20 mm dia non-metalic PVC conduit with 6Amp, 250 V clip in type 2way switch ISI marked and ceiling rose ISI marked mounted on G.I modular box with face plate & cover of suitable size , with 1.5 sq.mm FRLSH PVC insulated single core multistrand copper conductor as earth wire including all accesories and connection as per direction of Engineer-in-charge. Group C	Nos.	3.00	2,642.00	7,926.00
5	Recessed wiring for 5 / 6 amp socket outlet with 6Amp, 250 V clip in type modular switch ISI marked mounted on G.I moular box with face plate & cover of suitable size including all accesories and connection on same switch board as per direction of Engineer-in-charge.	Nos.	9.00	1,039.00	9,351.00
6	Recessed wiring for 5 / 6 amp socket outlet with 2 x 1.5 sq.mm FRLSH PVC insulated single core multistrand copper conductor of ISI marked in 20 mm dia non-metalic PVC conduit with 6Amp, 250 V clip in type switch ISI marked mounted on G.I moular box with face plate & cover of suitable size , with 1.5 sq.mm FRLSH PVC insulated single core multistrand copper conductor as earth wire including all accesories and connection on separate board as per direction of Engineer-in-charge. Group C	Nos.	88.00	1,073.00	94,424.00

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
7	Recessed wiring for 6 pin 16 amp socket outlet with 16Amp, 250 V clip in type switch ISI marked mounted on G.I moular box with face plate & cover of suitable size including all accesories and connection as per direction of Engineer-in-charge.	Nos.	18.00	1,529.00	27,522.00
	SUBMAIN.				-
8	Recessed wiring to submain in 2 x 1.5 sq.mm FRLSH PVC insulated single core multistrand copper conductor of ISI marked confirming to IS-694/1990 in 20 mm dia non-metalic heavy duty PVC conduit 1.6 mm thick along with 1 x 1.5 sq.mm FRLSH PVC insulated single core multistrand copper conductor as earth wire as equired.	Mtrs	750.00	135.00	1,01,250.00
9	Recessed wiring to submain in 4 x 2.5 sq.mm FRLSH PVC insulated single core multistrand copper conductor of ISI marked confirming to IS-694/1990 in 32 mm dia non-metalic heavy duty PVC conduit 1.6 mm thick along with 2 x 1.5 sq.mm FRLSH PVC insulated single core multistrand copper conductor as earth wire as equired.	Mtrs	100.00	306.00	30,600.00
10	Recessed wiring to submain in 2 x 2.5 sq.mm FRLSH PVC insulated single core multistrand copper conductor of ISI marked confirming to IS-694/1990 in 20 mm dia non-metalic heavy duty PVC conduit 1.6 mm thick along with 1 x 1.5 sq.mm FRLSH PVC insulated single core multistrand copper conductor as earth wire as equired.	Mtrs	300.00	179.00	53,700.00
11	Recessed wiring to submain in 4 x 10 sq.mm FRLSH PVC insulated single core multistrand copper conductor of ISI marked confirming to IS-694/1990 in 25/32 mm dia non-metalic heavy duty PVC conduit 1.6 mm thick along with 2 x 6 sq.mm FRLSH PVC insulated single core multistrand copper conductor as earth wire as equired.	Mtrs	50.00	732.00	36,600.00
12	Recessed wiring to submain in 2 x 10 sq.mm FRLSH PVC insulated single core multistrand copper conductor of ISI marked confirming to IS-694/1990 in 25/32 mm dia non-metalic heavy duty PVC conduit 1.6 mm thick along with 1 x 6 sq.mm FRLSH PVC insulated single core multistrand copper conductor as earth wire as equired.	Mtrs	50.00	389.00	19,450.00
13	Supply and laying recessed/surface Heavy duty PVC Conduit of following sizes with all accessories as directed by E-i-C.				-
(a)	20mm	Mtrs	300.00	61.00	18,300.00
(b)	25mm	Mtrs	150.00	72.00	10,800.00
	Distribution Boards & Panels				-

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
14	Supply and fixing of 6W 7 segment TPN DB of sheet steel, MCB distribution, 415 V on surface / recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, hinged front acrylic cover for the MCB knobs detachable gland plate, interconnections, phosphatized and powder painted including earthing etc. as required with required ELCB/RCCB and TPN MCB as incomer and SPMCB C Curve as outgoing complete with bottom detachable plate for interconnections etc as required and directed by E-i-C.	Nos.	3.00	19,314.00	57,942.00
15	Supply, fixing, erecting, connecting and commissioning of indoor type dust and vermin proof, sheet steel clad ready made, double door horizontal type powder coated wall mounted 12 way SPN Distribution Boards suitable for 230 V, single phase, 3 wire 50 Hz AC Supply complete with bottom detachable plate for interconnections etc as below. Incomer 1 No-40A DP MCB (10KA) Outgoings-6-32A SP MCB 10KA- 10 Nos. complete in all respect as directed and approved by E-i-C.	Nos.	3.00	9,205.00	27,615.00
	PANEL				-
16	Supply, installation, testing & commissioning of floor mounting front operated front access extensible type cubicle panel totally enclosed, dust and vermin proof with IP-42 /55 protection with hinged and lockable doors. CRCA sheets including interconnections, tinned copper crimping lugs, bonding to earth and painting suitable for use at 415 V, 3 phase 4 wire 50 Hz system, and to withstand a fault level of 35 KA symmetrical for 1 sec at 415 V complete as per specifications, as required and as below : All switchboards shall have provision for entry of cables from the bottom as required. All live accessible parts shall be shrouded and all equipment shall be finger touch proof. The bus bars shall be insulated with heat shrinkable sleeves. SMC/DMC shrouds and busbar supports shall be used with Indication lamp, C.T, Digital Voltmeter, Digital Ammeter and control fuse etc. complete.				-
	A) Incomer: - 200A 4P MCCB 36KA - 1 No as incomer with Electrolytic Copper Bus Bar of 400A, RYB Indicating Lamps, Multifunction Meter, VSD as required, SP MCB's, etc. as approved by E-i-C. B) Outgoings: - 04 nos. 63A TPN MCB, 04 nos. 40A DPMCB and 32A DP MCB 10KA - 2 No as spare.	set	1.00	1,77,693.00	1,77,693.00
	CABLE & END TERMINATION				-

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
17	Supply & Laying of one number of PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of 3.5core 50 sq.mm direct in ground/surface including excavation, sand cushioning protective covering and refilling the trench or with proper clamping, etc. as required for surface.	Rmt	100.00	547.00	54,700.00
18	Supplying and making end termination with brass compression gland and aluminum lugs for following size of PVC insulated and PVC sheathed / XLPE aluminum cable of 1.1 KV as required.				-
	3.5C x 50 sq.mm	set	2.00	650.00	1,300.00
	EARTHING				-
19	Supply, Installation ,Testing & Commissioning of providing maintenance free chemical earthing furse 25 kg black fill compound for lighting arrester with all cost of copper bounded rod with earth pit as per the direction of E-I-C.	Nos	3.00	16,248.00	48,744.00
20	Supplying and laying 25 mm x 6 mm CU earth strip ISI marked on surface or in recess for connection etc as required.	Rmt	25.00	1,091.00	27,275.00
21	Providing and fixing 8 SWG CU wire on surface or in recess for loop earthing as required.	Rmt	90.00	120.00	10,800.00
	FIXTURE				-
	Supply, Installation, Testing and Commissioning of pre-wired fluorescent fitting / compact fluorescent fitting /LED fitting of all sizes complete with all accessories and lamp etc. directly on ceiling /wall or recessed in false ceiling , including connection with 1.5 sq.mm FR PVC insulated single core multistrand copper conductor and earthing as required and approved by Engineer-i-Charge.				-
22	36Watt LED Light fitting (3300 Lumen) for PHILIPS (CAT No:RC365B LED33- 6500 PSU OD WH)/ Equivalent of Halonix/Panasonic/crompton as required	Nos	25.00	3,983.00	99,575.00
23	Ceiling mounted 15W LED of Recessed/Surface light.	Nos	10.00	1,466.00	14,660.00
24	Ceiling/ Wall mounted type 22W LED Batten with all accessories	Nos	60.00	787.00	47,220.00
25	Ceiling/ Wall mounted type BULK HEAD Luminaire with 10W LED Lamp.	Nos	20.00	1,408.00	28,160.00
26	Ceiling/ Wall mounted type 10W LED Bulb with Angle holder	Nos	10.00	321.00	3,210.00
27	45W LED Street Light fixture with required size GI clamp and accessories as required for fixing in wall.	Nos	4.00	7,749.00	30,996.00
28	1200mm Ceiling Fan	Nos	50.00	2,806.00	1,40,300.00
29	250mm PVC Exhaust fan with louvers	Nos	13.00	1,897.00	24,661.00
	SAFETY EQUIPMENTS				-

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
30	Supply and installation of Rubber Mats 12mm thick of size 2000mm x 1000mm x 12 mm thick Electrical tested with test certificate.	Nos	1.00	3,500.00	3,500.00
31	Supply and fixing of first aid box with medicines complete with medicine with three years expiry date to be fixed in Electrical control panel room.	set	1.00	1,500.00	1,500.00
	Lightening Arrester				
32	Supply, Installation ,Testing & Commisioning of ESE Lightening Air Terminal early steamer emmision with OPR 60 with Radius of protection of 79 mtr in Level-1 in accoradance to NFC-17-102 standard as per the direction of E-I-C.	Nos	1.00	1,15,000.00	1,15,000.00
33	Supply, Installation ,Testing & Commisioning of Mounting Mast of Length - 2mtr 30mm dia as per the direction of E-I-C.	Nos	1.00	16,450.00	16,450.00
34	Supply, Installation ,Testing & Commisioning of GI Mounting mast of Length - 3mtr with guy wire and base plate as per the direction of E-I-C.	Nos	1.00	22,675.00	22,675.00
35	Supply, Installation ,Testing & Commisioning of Lightening Flash Counter as per the direction of E-I-C.	Nos	1.00	32,500.00	32,500.00
36	Supply, Installation ,Testing & Commisioning of providing maintenance free chemical earthing furse 25 kg black fill compound for lighting arrester with all cost of copper bounded rod with earth pit as per the direction of E-I-C.	Nos	3.00	16,248.00	48,744.00
37	Supply, Installation ,Testing & Commisioning of 1C 70sqmm Copper Conductor as per the direction of E-I-C.	Mtr.	50.00	1,037.00	51,850.00
	Total Electrical Works				19,01,880.00
D	Fire Fighting Systems.				
I	Fire Extinguishers				
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.	Nos	3.00	3,264.00	9,792.00
2	Supplying, installation, testing and commissioning of CO2 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.	Nos	3.00	7,700.00	23,100.00

Item No/S.No	Description of work	Unit	Rate	Quantity	Amount
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	3.00	3,659.00	10,977.00
II	MISCELLANEOUS WORK :				-
1	Sand Buket as per IS Specification	Each	3.00	500.00	1,500.00
2	Buket Stand to Store 10 nos of Buket also having Aluminium sheet above the to prevent the stand from rain/sunst.	Nos	1.00	2,820.00	2,820.00
	Total Fire Fighting Work				48,189.00