

45	Making khattas 45x45 cm with average minimum thickness of 5 cm cement concrete 1:2:4 (1 cement:2 coarse sand & 4 graded stone aggregate of 20 mm nominal size) over P.V.C. sheet 3 mm thick 400 micron, finished 12 mm cement plaster 1:3 (1 cement:3 coarse sand) and a coat of neat cement rounding the edges and making and finishing the outlet complete.	10.000	sqm	195.960	1,959.60	10.000	0.810	158.73
46	Providing and fixing circular/hexagonal cast iron or M.S. sheet box for ceiling fan clamp 140 mm internal dia, 75 mm height, 5 mm thick rim bottom and top lids, 1.5 mm thick M.S. sheet with its top surface backed for proper bonding top lid shall be screwed into the cast iron box by means of 3.3 mm dia round headed screws, one lock at the corners. Clamps shall be made of 12 mm dia M.S. bar bent to shape as per standard drawing.	17.000	each	171.130	2,909.21	17.000	21.000	1,993.73
47	sary accessories & stainless steel dish fasteners, etc.	58.320	kg	365.240	32,993.96	58.320	58.320	32,993.96
48	its etc., and preparing the surface complete. The vinyl 3 mm thick	315.000	sqm	1468.150	4,62,467.25	0.000	0.000	-
A		315.000	sqm	1469.180	4,62,791.70	315.000	288.290	4,23,549.90
49	fixing water proofing material in proportion recommended by the manufacturers.				-			-
A	15 mm cement plaster 1:4(1 cement:4 sand)	315.000	sqm	8.440	2,671.20	315.000	288.290	2,444.70
50	mm cement plaster 1:3 (1 cement:3 coarse sand) and	103.900	sqm	497.250	51,664.28	103.900	21.510	-10,695.85
51	Boring, Providing and installing cast in situ single under roamed piles of specified diameter and length below pile cap in M-25 cement concrete, to carry a safe working load not less than specified, excluding the cost of steel reinforcement but including the cost of boring with bentonite solution and the length of the pile to be embedded in pile cap etc. all complete. (Length of pile for payment shall be measured upto to the bottom of pile cap)							
A	400 mm dia piles	576.000	m	2784.200	16,03,699.20	0.000	0.000	-
CARRIAGE OF MATERIALS								
52	Stone Chaps (Muzachawki-139+1 km)	197.510	cum	4354.360	8,80,029.64	301.793	316.471	13,78,030.70
53	Coarse Sand (Jagdishpur Bhagpur- 121+1 km)	205.690	cum	2868.590	5,84,303.10	297.836	235.409	6,75,292.83
54	Local Sand (3 Km)	171.160	cum	327.100	35,986.44	233.290	211.975	69,337.08
55	Brick	141.500	thousand	1176.510	1,66,476.17	115.955	109.308	1,28,601.73
DIFFERENCE IN BASIC RATES								
56	Cement	2336.840	bag	5.810	13,577.04	5130.000	4547.747	26,422.70
PIPE WORK								
57	Providing & fixing wall wall lining w/c with UP soft clime set over hinges accessories set size 360x500x380 mm/Jaques cat no -LYS - WHIT - 38933BUUPSM & Concealed Single piece slim concealed cistern cat no -JCS - WHIT -2403WS with Flushing Control plate cat no -JCP -CHRL -372415 all complete. specification and direction of Engineer-in-charge.	8.000	Each	33094.840	2,64,758.72	8.000	8.000	2,64,758.72
58	Providing and fixing counter basin size (mm) 190x550x430 (Jaques, CAT NO: FLS-whit-5701) including fixing and all accessories as per manufacturers specification and direction of Engineer-in-charge.	12.000	Each	12193.160	1,46,317.92	12.000	12.000	1,46,317.92
59	Providing & fixing of shower panel of approved brand and as per the description. Thermostatic 2 Way Shower Panel M27922000 - Chrome Type of Mixer. Thermostatic Type of Diverter 2 Way Panel Contains Overhead Shower, Hand Shower all complete. specification and direction of Engineer-in-charge.	6.000	Each	72765.800	4,36,594.80	6.000	5.000	3,63,829.00
60	Providing and fixing white vitreous china flat back or wall corner type lipped front urinal basin of 430 x 260 x 350 mm and 340 x 410 x 265 mm sizes respectively with automatic flushing cistern with standard flush pipe and C.P. brass spreaders with brass unions G.I. clamps, complete, including pointing of fittings and brackets, cutting and making good the walls and floors wherever required.							
	Range of three urinal basins with 10 litre white P.V.C. automatic flushing cistern	2.000	Each	8205.610	16,407.22	2.000	2.000	16,407.22
61	Providing and fixing stone slab table ribbed, edges rounded and polished of size 75x50 cm deep and 1.8cm thick fixed in urinal partition by cutting a chase of appropriate width with chase cutter and embedding the stone in the chase with epoxy grout or with cement concrete 1:2:4(1 cement: 2 coarse sand: 4 graded stone aggregate 6mm nominal size) as per direction of Engineer-in-charge and finished smooth.							
	White Agaria Marble Stone	2.250	Sqm	3167.220	7,126.25	2.250	0.375	1,187.71

62	Providing and fixing Stainless Steel A ISI 304 (1.8%) kitchen sink as per IS 13983 with C.I. brackets and stainless steel plug 40mm including painting of fittings and brackets, cutting and making good the walls wherever required.							
	Kitchen sink with drain board 510x304mm bowl depth 178mm	1.000	Each	5412.690	5,412.69	1.000	1.000	5,412.69
63	Providing and fixing PVC waste pipe for sink & wash basin including PVC waste fittings complete							
	Semi rigid pipe 40 mm dia	1.000	Each	108.020	108.02	1.000	13.000	1,404.26
64	Providing and fixing 600X450mm beveled edge mirror of superior glass complete with 6mm thick hard board ground fixed to wooden cleats with CP brass screws & washers complete.	9.000	Each	1105.510	9,949.59	9.000	12.000	13,266.12
65	Providing and fixing Toilet Paper holder							
	Vitreous china	9.000	Each	344.430	3,099.87	9.000	8.000	2,755.44
66	Providing and fixing PTMT Bottle Trap for Wash basin and sink							
	Bottle trap 31mm single piece moulded with height of 270mm, effective length of tail pipe 260mm from the centre of the waste coupling 77mm breadth with 25mm minimum water seal, weighing not less than 260 gms.	12.000	Each	336.360	4,036.32	12.000	13.000	4,372.68
67	Providing and fixing PTMT liquid soap container 109mm wide, 125mm high and 112mm diameter. Green wall of standard shape with bracket of the same materials with snap fittings of approved quality and colour weighing not less than 105 gms.	9.000	Each	151.370	1,362.33	9.000	13.000	1,967.81
68	Providing and fixing PTMT towel ring trapezoidal shape 215mm long, 200mm wide with a minimum distance of 37mm from wall face with concealed fittings arrangement of approved quality and colour. Weighing not less than 88 gms.	9.000	Each	211.790	1,906.11	9.000	13.000	2,753.27
69	Providing and fixing PVC Soil, Waste & vent pipes all complete.							
a	110 mm dia	125.000	metre	376.380	47,043.75	125.000	98.000	36,129.00
b	40 mm dia	35.000	metre	230.580	7,713.30	35.000	0.000	-
70	Providing and fixing PVC fittings all complete as per specification & direction of E.I.							
a	110 mm vent cover	6.000	Each	66.110	396.66	6.000	6.000	396.66
b	110 mm plain bend	14.000	Each	204.910	2,868.74	14.000	5.000	1,034.55
c	110 mm door bend	3.000	Each	246.970	740.91	3.000	2.000	493.94
d	110 X 110 mm dia door tee	7.000	Each	356.280	2,493.96	7.000	5.000	1,781.40
e	110 X 110 mm dia plain y	15.000	Each	369.470	5,542.05	15.000	10.000	3,694.70
f	110 mm pipe clip	42.000	Each	53.590	2,250.78	42.000	42.000	2,250.78
g	110 X 110 mm dia p-trap	14.000	Each	442.720	6,198.08	14.000	10.000	4,427.20
h	110 mm dia X 45 Bend	10.000	Each	172.470	1,724.70	10.000	10.000	1,724.70
i	40 mm elbow	31.000	Each	69.110	2,142.41	31.000	0.000	-
j	40 mm plain tee	8.000	Each	77.550	620.40	8.000	0.000	-
71	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer in Charge.							
	Internal work - Exposed to wall							
a	20 mm Nominal outer dia pipes	8.000	Metre	242.000	1,936.00	8.000	8.000	1,936.00
b	25 mm Nominal outer dia pipes	10.000	Metre	328.240	3,282.40	10.000	10.000	3,282.40
c	32 mm Nominal outer dia pipes	15.000	Metre	408.890	6,133.35	15.000	15.000	6,133.35
d	40 mm Nominal outer dia pipes	9.000	Metre	557.050	5,013.45	9.000	9.000	5,013.45
e	50 mm Nominal outer dia pipes	20.000	Metre	818.400	16,368.00	20.000	18.000	14,721.20
72	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer in Charge.							
	Concealed work, including cutting chases and making good the							
a	25 mm Nominal outer dia pipes	80.000	Metre	287.840	23,027.20	80.000	27.000	7,771.68
b	32 mm Nominal outer dia pipes	50.000	Metre	362.950	18,147.50	50.000	27.000	9,799.65
c	40 mm Nominal outer dia pipes	50.000	Metre	479.140	23,957.00	50.000	18.000	8,624.52
d	50 mm Nominal outer dia pipes	5.000	Metre	568.840	2,844.20	5.000	5.000	2,844.20

73	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings. This includes jointing of pipes & fittings with one step CPVC solvent cement, trenching, refilling & testing of joints complete as per direction of Engineer in Charge.							
	External work							
	32 mm nominal outer dia pipes	50.000	Metre	364.500	18,225.00	50.000	12.000	4,374.00
74	Providing and fixing gun metal gate valve with C.I. wheel of approved quality.							
a	30 mm Nominal bore	1.000	Each	481.520	481.52	1.000	1.000	481.52
b	25 mm Nominal bore	1.000	Each	550.740	550.74	1.000	1.000	550.74
c	32 mm Nominal bore	2.000	Each	610.330	1,220.66	2.000	2.000	1,220.66
d	40 mm Nominal bore	2.000	Each	731.800	1,463.60	2.000	2.000	1,463.60
e	50 mm Nominal bore	4.000	Each	908.620	3,634.48	4.000	4.000	3,634.48
75	Providing and fixing unplasticised PVC connection pipe with brass unions							
	45 cm length							
	15 mm Nominal bore	20.000	Each	88.150	1,763.00	20.000	20.000	1,763.00
76	Providing and fixing gun metal non-return valve of approved quality (acquired end)							
	32mm nominal bore							
	Vertical	1.000	Each	804.840	804.84	1.000	1.000	804.84
	C.P. BRASS FITTINGS							
77	Providing and fixing C.P. brass bib cock of approved quality conforming to IS 8931							
	15 mm Nominal bore	12.000	Each	449.240	5,390.88	12.000	12.000	5,390.88
78	Providing and fixing C.P. brass long nose bib cock of approved quality conforming to IS standards and weighing not less than 810 gms.							
	15 mm Nominal bore	1.000	Each	739.870	739.87	1.000	1.000	739.87
79	Providing and fixing C.P. brass angle valve for basin mixer and geyser points of approved quality conforming to IS 8931							
	15 mm Nominal bore	10.000	Each	517.730	5,177.30	10.000	10.000	5,177.30
80	Providing and fixing PTMT grating of approved quality and colour.							
	Rectangular type with operable circular lid							
	150 mm nominal size square 100 mm diameter of the inner framed round grating	7.000	Each	175.980	1,229.06	7.000	7.000	1,229.06
81	Providing and fixing PTMT soap Dish Holder having length of 138mm, breadth 102mm, height of 75mm with concealed fitting arrangements. Weighing not less than 105 gms.	1.000	Each	100.150	100.15	1.000	1.000	100.15
82	Constructing masonry Chamber 60 x 60 x 75 cm inside, in brick work in cement mortar 1:4 (1 cement 4 coarse sand) for sluice valve, with C.I surface box 100 mm top diameter, 160 mm bottom diameter and 180 mm deep (inside) with chained lid and RCC top slab 1:2:4 mix (1 cement: 2 coarse sand: 4 graded stone aggregate 20 mm nominal size) or necessary excavation, foundation concrete 1:5:10 (1 cement: 5 fine sand: 10 graded stone aggregate 40 mm nominal size) and inside plastering with cement mortar 1:3 (1 cement: 3 coarse sand) 12 mm thick, finished with a floating coat of neat cement complete as per standard design.							
	With common burnt clay F.P.S (non modular) bricks of class designation 100 A	1.000	Each	7460.330	7,460.33	1.000	1.000	7,460.33
83	Excavating trenches of required width for pipes, cables, etc including excavation for sockets, and dressing of sides, ramming of bottoms, depth up to 1.5m (including getting out the excavated soil), and then returning the soil as required, in layers not exceeding 10cm in depth including consolidating each deposited layer by ramming, watering, etc. and disposing of surplus excavated soil as directed, within a lead of 50m.							
	All kinds of soil							
	Pipes, cables etc. exceeding 80mm dia but not exceeding 305mm dia	23.000	Metre	405.270	9,321.21	23.000	0.000	-
84	Providing, laying and jointing glazed stoneware pipes class SP-1 'A' with stiff mixture of cement mortar in the proportion of 1:1 (1 cement: 1 fine sand) including testing of joints etc. complete.							
	150mm diameter	6.000	Metre	480.280	2,882.28	6.000	6.000	2,882.28

2

Nine

85	Providing and laying cement concrete 1:5:10 (1 cement: 5 coarse sand: 10 graded stone aggregate 40mm nominal size) all-round S.W pipes including bed concrete as per standard design.							
	150mm diameter S.W pipe	5.000	Metre	511.520	3,069.12	6.000	6.000	3,069.12
86	Providing and fixing square mouth SW gully trap grade A complete with CI grating brick masonry chamber with water tight CI cover with frame of 300X300mm size (inside) the wt. of cover to be not less than 4.50kg. And frame to not less than 2.70 kg as/standard design.							
	180x150mm size p type							
	With F.P.S. bricks designation 7.5	5.000	Each	2063.160	10,315.80	5.000	5.000	10,315.80
87	Providing and laying non-pressure NP2 class R.C.C. pipes with collars jointed with stiff mixture of cement mortar in the proportion of 1:2 including testing of joints etc.							
	150 mm dia R.C.C. pipe	18.000	Metre	424.920	7,648.56	18.000	18.000	7,648.56
88	Constructing brick masonry manhole in cement mortar 1:4 (1 cement: 4 coarse sand) R.C.C. top slab with 1:2:4 mix (1 cement: 2 coarse sand: 4 graded stone aggregate 20mm nominal size), foundation concrete 1:4:8 mix (1 cement: 4 coarse sand: 8 graded stone aggregate 40mm nominal size) inside plastering 12mm thick with cement mortar 1:3 (1 cement: 3 coarse sand) finished with floating coat of neat cement and making channels in cement concrete 1:2:4 (1 cement: 2 coarse sand: 4 graded stone aggregate 20mm nominal size) finished with a floating coat of neat cement complete as per standard design.							
	Inside size 90x80cm and 45cm deep including C.I. cover with frame (light duty) 455x610mm internal dimensions total weight of cover and frame to be not less than 38 kg (weight of cover 23 kg and weight of frame 15 kg)							
	With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	1.000	Each	8188.820	8,188.82	1.000	1.000	8,188.82
89	Extra for depth for manholes							
	Size 90x80cm							
	With F.P.S. bricks class designation 7.5	0.100	Metre	585.030	58.50	0.100	0.100	58.50
90	Constructing brick masonry chamber for underground C.I. inspection chamber and leads with 7.5 class designation bricks in cement mortar 1:4 (1 cement: 4 coarse sand) C.I. cover with frame (light duty) 455x610mm internal dimensions, total weight of cover with frame to be not less than 38 kg (weight of cover 23 kg and weight of frame 15 kg) R.C.C. top slab with 1:2:4 mix (1 cement: 2 coarse sand: 4 graded stone aggregate 20mm nominal size) foundation concrete 1:5:10 (1 cement: 5 fine sand: 10 graded stone aggregate 40mm nominal size), inside plastering 12mm thick with cement mortar 1:3 (1 cement: 3 coarse sand) finished smooth with a floating coat of neat cement on walls and bed concrete etc. complete as per standard design.							
	Inside dimensions 455x610mm and 45cm deep for single pipe line.							
	With F.P.S. bricks	3.000	Each	4414.560	13,243.74	3.000	3.000	13,243.74
91	Extra for depth beyond 45cm of brick masonry chamber.							
	For 455x610mm size							
	With F.P.S. bricks	0.500	Metre	4082.870	2,041.44	0.500	0.500	2,041.44
92	Making soak pit 2.5 m diameter 3.0 meter deep with 45x45 cm dry brick honey comb shaft with brick of class designation 7.5 and S.W. drain pipe 100 mm diameter, 1.8 m long complete as per standard design.							
	With F.P.S. bricks	2.000	Each	34767.220	69,534.44	2.000	2.000	69,534.44
93	Supplying materials, labour for constructing Septic Tanks of following sizes & as per sections given in the Drawings & Designs, all complete as per specifications and direction of Engineer-in-charge.							
	(5.0 mtr (long) x 1.5 mtr (wide) x 2.25 mtr (deep) / of inside finished size as per design & drawings)	1.000	Each	89514.460	89,514.46	1.000	1.000	89,514.46
	RAIN WATER PIPE							

94	Providing and fixing on wall face PVC (working pressure 4kg/ per sq cm) rain water pipes conforming to IS:4985 including jointing with seal ring conforming to IS:5382 leaving 10 mm gap for thermal expansion.	105.000	Metre	366.420	27,574.10	105.000	75.000	19,381.30
95	Providing and fixing on wall face PVC moulded fitting / accessories for rain water pipes conforming to IS:4985 including jointing with seal ring conforming to IS:5382 leaving 10 mm gap for thermal expansion.							
a	Coupler							
b	110 mm	8.000	Each	124.160	993.28	8.000	4.000	496.64
c	Single push fit Coupler							
d	110 mm	8.000	Each	587.570	3,106.56	8.000	4.000	1,550.28
e	Single tee with door							
f	110 x 110 x 110 mm	8.000	Each	200.160	1,600.80	8.000	4.000	800.40
g	Bend 87.5°							
h	110 mm bend	8.000	Each	136.570	1,092.56	8.000	4.000	546.28
96	Providing and fixing unplasticised -PVC pipe clips of approved design to unplasticised-PVC rain water pipes by means of 50 x 50 x 50 mm hard wood plugs, screwed with M8 screws of required length, including cutting brick work and fixing in cement mortar 1:4 (1 cement: 4 coarse sand) and making good the wall etc. complete.							
	110 mm	65.000	Each	189.050	12,288.25	65.000	28.000	5,293.40
97	Providing and fixing to the inlet mouth of rain water pipe cast iron grating 15 cm diameter and weighing not less than 440 grams.	8.000	Each	49.560	396.48	8.000	8.000	196.48
ELECTRICAL WORK								
WIRING								
98	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 Sq.mm FR PVC insulated copper conductor cable in surface/ recessed medium class PVC conduit with modular switch, modular plate suitable size G.I. box etc as required.							
98	One light point controlled by 1 no. 10 A modular switch	334.000	Point	1146.000	3,82,764.00	334.000	47.000	53,862.00
98	Two light point controlled by 1 no. 10 A modular switch	13.000	Point	944.000	12,272.00	13.000	28.000	26,432.00
98	Three light point controlled by 1 no. 10 A modular switch	6.000	Point	1239.000	7,534.00	6.000	0.000	-
99	Wiring for light plug, & circuit with 2x2.5 sq mm FR PVC insulated copper conductor single core cable in surface/ recessed medium class PVC conduit along with 1 No 2.5 sq mm FR PVC insulated copper conductor single core cable for loop earthing as required	670.000	Meter	246.000	1,64,820.00	670.000	161.000	19,606.00
100	Wiring for power plug with 2x4 sq mm FR PVC insulated copper conductor single core cable in surface/ recessed medium class PVC conduit along with 1 No 4 sq mm FR PVC insulated copper conductor single core cable for loop earthing as required	640.000	Meter	1248.000	7,98,720.00	640.000	303.000	1,28,544.00
101	Wiring for submain with 4x6 sq mm + 1X6 sq mm earth wire FR PVC insulated copper conductor single core cable in recessed PVC conduit as required. (For L DB UPS Room)	130.000	Meter	660.000	85,800.00	130.000	21.000	13,860.00
102	Wiring for circuit with 4x10 sq mm + 1X10 sq mm earth wire FR PVC insulated copper conductor single core cable in surface/ recessed medium class PVC conduit as required. (P DB & Lift Room)	190.000	Meter	925.000	1,75,750.00	190.000	30.000	27,750.00
103	Wiring for submain with 7x6 sq mm + 1X6 sq mm earth wire FR PVC insulated copper conductor single core cable in recessed PVC conduit as required. (For Computer DB)	20.000	Meter	422.000	8,440.00	20.000	0.000	-
104	Supplying & fixing of following size medium class PVC conduit along with accessories in surface/ recess including cutting of wall and making good the same in case of recessed conduit as required.							
A	(a) 20 mm dia	200.000	Meter	102.000	20,400.00	200.000	188.000	19,136.00
B	(b) 25 mm dia	300.000	Meter	120.000	36,000.00	300.000	152.000	18,240.00
105	Supplying and fixing metal/ PVC box of following sizes (nominal size) on surface or in recess with suitable size of phenolic laminated sheet cover in the front including painting etc. as required.							
a	(a) 75mmX75mmX50mm deep	3.000	Each	139.000	417.00	3.000	3.000	417.00
b	(b) 200mmX150mmX60mm deep	2.000	Each	276.000	552.00	2.000	2.000	552.00

106	Supplying and fixing following size / modules, GI box along with modular base & cover plate for modular switches/ socket/TV / Telephone outlet in surface/ recess etc. as required (a)75mmX75mmX50mm	18.500	Each	234.000	4,329.00	18.500	18.000	4,312.00
107	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess including providing and fixing 3 pin 5/6 amps modular socket outlet & 6A modular type switch connection etc. as required.	33.000	Point	424.000	13,982.00	33.000	18.000	7,632.00
108	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess including providing and fixing 6 pin 5/6 & 15/16 amps modular socket outlet & 15/16A modular type switch connection etc. as required.	23.000	Point	414.000	9,522.00	23.000	5.000	2,070.00
109	Supplying and fixing modular type 5/6 amp, 5 pin socket outlet on the existing modular plate & box including making connection but excluding modular plate etc. as required. (For Wall Bracket fix only)	8.500	Each	112.000	952.00	8.500	0.000	-
110	Supplying and fixing following rating, four pole, (three phase and neutral), 415 volts, residual current circuit breaker (RCCB), having a sensitivity current upto 30 milliamps in the existing MCB DB complete with connections, testing and commissioning etc. as required.	9.000	Each	2703.000	24,327.00	9.000	0.000	-
111	Supplying and fixing TPN sheet steel enclosure on surface or in recess along with 32 amp 415 volts 'C' series, TPN, MCB, complete with connections testing and commissioning etc. as required.(For UPS Room)	1.000	Each	1662.000	1,662.00	1.000	1.000	1,662.00
112	Supplying and fixing TPN sheet steel enclosure on surface or in recess along with 63 amp 415 volts 'C' series, TPN, MCB, complete with connections testing and commissioning etc. as required.(For Lift Room)	1.000	Each	1616.000	1,616.00	1.000	1.000	1,616.00
113	Supplying and fixing modular type telephone socket outlet on the existing modular plate & box including connections, excluding modular plate etc. as required.	7.000	Each	131.000	917.00	7.000	7.000	917.00
114	Supplying and drawing 2 pair 0.5 sq mm. FR PVC insulated annealed copper conductor, unarmoured telephone cable in the existing surface / recesses PVC conduit etc. as required.	170.000	Meter	31.000	5,270.00	170.000	150.000	4,690.00
115	Supplying and drawing co-axial T.V cable RJ-6 grade, copper conductor PE insulated with PVC sheath in the existing PVC conduit etc. as required.	80.000	Meter	42.000	3,360.00	80.000	0.000	-
116	Supplying and fixing modular T.V socket on the existing modular plate and metal box including making connection etc. as required.	8.000	Each	131.000	1,048.00	8.000	8.000	1,048.00
117	Supplying Installing Testing and commissioning of 10 Pair distribution tag box all complete as per specification and direction of IOI	1.000	Each	964.000	964.00	1.000	0.000	-
118	Supplying Installing Testing and commissioning of 20 Pair distribution tag box all complete as per specification and direction of IOI	1.000	Each	1409.000	1,409.00	1.000	0.000	-
119	Supplying and installation of 10 pair 0.5 sq mm ATC unarmoured PVC insulated copper conductor telephone cable on surface including connection, testing etc. as required.	15.000	Meter	109.000	1,635.00	15.000	0.000	-
120	Supplying and fixing of 25A Dp with indicator with key tag, box and plate of Harsiy make in position recessed in wall including connection testing etc as required.	3.000	Set	1762.000	5,286.00	3.000	3.000	5,286.00
121	Supplying, fixing, fixing of dingdong cell bell suitable for DC/AC single phase 230 volts, complete etc as required.	3.000	Each	240.000	720.00	3.000	6.000	1,440.00
122	Supplying and fixing modular blanking plate on the existing modular plate & metal box excluding modular plate, etc. as required.	15.000	Each	34.000	510.00	15.000	15.000	510.00
123	Supplying and fixing 4 way (4+12) double door horizontal type Three pole and Neutral sheet steel M.C.B. D.B., 415 Volts in surface/ recess, complete with tinned copper busbar, neutral bus bar, earth bar, din bar, detachable gland plate, interconnection phosphatized and powder painted including, earthing etc. as required(But without MCB/RCCB/ Isolator)	2.000	Each	4184.000	8,368.00	2.000	0.000	-

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124	Supplying and fixing 2x 12 way double door horizontal type single pole and Neutral sheet steel M.C.B. Distribution board, 240 Volts, on surface/ recess, complete with tinted copper busbar, neutral bar, earth bar, die bar, interconnection, powder painted including earthing etc. as required (But without MCB/ RCCB / Isolator)	2.000	Each	2314.000	4,628.00	2.000	2.000	4,628.00
125	Supplying and fixing cable end box (Loose wire box IP 43) suitable for following sheet steel M.C.B. Distribution board, on surface/ recess, complete with testing commissioning etc. as required				-			-
	(i) For 4 way Double door MCB TPN DB	2.000	Each	1064.000	2,128.00	2.000	0.000	-
	(ii) For 12 way Double door MCB SPN DB	1.000	Each	872.000	872.00	1.000	1.000	872.00
126	Supplying and fixing of following rating C series MCB suitable for inductive and other loads of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.				-			-
a	6 Amp. To 32 Amp. SP MCB 240 Volt	80.000	Each	237.000	18,960.00	80.000	8.000	1,896.00
b	32 Amp SPN MCB 240 Volt	1.000	Each	606.000	606.00	1.000	1.000	606.00
c	32 Amp TPN MCB 415 Volt	3.000	Each	1282.000	3,846.00	3.000	3.000	3,846.00
d	(vi) 40 Amp TPN MCB 415 Volt	4.500	Each	2329.000	10,480.50	4.500	2.000	4,658.00
127	Supplying and fixing of wall/floor mounted cubicle panel board fabricated with 16 gauge iron sheet suitable for panel mounted switch disconnector, including busbar chamber, insulator, nut-bolt painting etc as required (But without busbar copper strip)	4.000	SF	1382.000	5,528.00	4.000	2.000	2,764.00
128	Supplying and fixing of following rating electrical items in the existing cubical panel board including drilling holes in cubicle panel making connections etc. as required.				-			-
i	(i) 100 Amp 36 KA FF 415 volt MCCB	1.000	Each	13698.000	13,698.00	1.000	0.000	-
ii	(ii) 100 Amp, 4 pole, changeover switch	1.000	Each	17096.000	17,096.00	1.000	0.000	-
iii	(iii) 100 Amp 30 KA FF 415 volt MCCB	1.000	Each	8172.000	8,172.00	1.000	0.000	-
iv	(iv) 100 Amp, 4 pole, changeover switch	1.000	Each	9334.000	9,334.00	1.000	0.000	-
v	(v) 40 Amp TPN MCB 415 Volt	2.000	Each	2129.000	4,658.00	2.000	0.000	-
vi	(vi) 32 Amp TPN MCB 415 Volt	6.000	Each	1282.000	7,692.00	6.000	0.000	-
vii	(vii) 32 Amp SPN MCB 240 Volt	2.000	Each	606.000	1,212.00	2.000	0.000	-
viii	(viii) Copper strip of all sizes	50.000	Kg	868.000	43,400.00	50.000	0.000	-
129	Providing and fixing M.V. danger notice plate of 200mmX150mm made of mild steel at least 2mm thick, and vitreous enamelled white on both sides, and with inscription in single red colour on front side etc as required.	1.000	Each	214.000	214.00	1.000	1.000	214.00
130	Earthing with copper earth plate 600mm X600mm X3mm thick including accessories and providing masonry enclosure with cover plate having locking arrangement and watering pipe 2.7 metre long etc. with salt and charcoal/ coke and salt as required.	1.000	Set	13721.000	13,721.00	1.000	0.000	-
131	Earthing with G.I earth pipe 4.5 mt. 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.	1.000	Set	6323.000	6,323.00	1.000	1.000	6,323.00
132	Providing and laying 25mm x 5mm Copper strip in 40 mm. Dia copper pipe from earth electrode including connection with brass nut, bolt, washer, excavation and refilling etc. as required.	30.000	Meter	1628.000	48,840.00	30.000	0.000	-
133	Providing and fixing 4mm dia copper wire on surface or in recess for loop earthing etc. as required.	40.000	Meter	144.000	5,760.00	40.000	0.000	-
134	Supply and Installation of regular / standard model A.C. ceiling fan of 1200 mm sweep and regulator including wiring the down rod of standard length (upto 30cm) with 1.5 sq.mm FR PVC insulated copper conductor, single core cable etc. as required.	15.000	Each	2484.000	37,260.00	15.000	21.000	52,164.00
135	Supplying and fixing stepped type electronic fan regulator on the existing switch box including connections excluding modular plate etc. as required.	15.000	Each	358.000	5,370.00	15.000	21.000	7,518.00
136	Supply and Installation of 300mm sweep 230 A.C. exhaust fan in the existing opening including making good the damage connection testing commissioning etc. as required.	8.000	Each	2572.000	20,576.00	8.000	1.000	2,572.00

137	Supply and fixing of following sweep/size PVC/ABS square body Exhaust Fan with automatic operable louvre shutter in existing opening including making connection, testing etc as required 150 mm sweep (1300/1400 RPM)	8.000	Each	1861.000	14,888.00	8.000	8.000	14,888.00
138	Supplying and fixing 4'X18 waf LED batten with minimum efficacy 100 lm/w in polycarbonate housing and complete with integrated electronic driver etc directly on wall/ ceiling including connections with 1.5 sq mm FRLS PVC insulated copper conductor etc. as required.	35.000	Each	\$21.000	18,235.00	35.000	35.000	18,235.00
139	Supplying and fixing surface mounted following types LED downlighter with minimum efficacy 100 lm/w in pressure die-cast aluminium housing and integrated electronic driver etc directly on ceiling including connections with 1.5 sq mm FRLS PVC insulated copper conductor cable etc as required.	40.000	Each	4949.000	1,97,960.00	0.000	0.000	-
	18 watt	45.000	Each	1694.000	76,230.00	45.000	0.000	-
140	Supplying and fixing following types LED Flood light with minimum efficacy 100 lm/w in die cast aluminium housing, toughened glass, IP 66 protection and complete with electronic driver etc on pole/building including connection on curbing the body etc as required. 30 watt	4.000	Each	2518.000	10,112.00	4.000	7.000	17,696.00
141	Supplying and fixing recess mounting LED downlighter with minimum efficacy 100 lm/w in pressure die-cast aluminium housing and integrated electronic driver etc directly on ceiling including connections with 1.5 sq mm FRLS PVC insulated copper conductor cable etc as required.	15.000	Each	926.000	13,890.00	15.000	45.000	41,670.00
142	Supplying and fixing 10/12 watt LED type Bulk-head luminaire with minimum efficacy 100 lm/w in comprising of pressure die cast housing, acrylic diffuser, IP 65 protection and complete u, lth integrated electronic driver etc directly on wall/ceiling including connections with 1.5 sq mm FRLS PVC insulated copper conductor cable etc as required.	30.000	Each	2663.000	79,890.00	30.000	0.000	-
143	Supplying and fixing wall mounted light bracket/ fixture made with polycarbonate suitable for single 9/10 watt LED lamp directly on wall including connections etc as required. (But without lamp)	12.000	Each	1340.000	16,080.00	12.000	10.000	13,400.00
144	Supplying and fixing 2 pin 5 Amp ceiling rose on the existing junction box/ PVC box including connection etc as required.	22.000	Each	64.000	788.00	12.000	23.000	1,472.00
145	Supplying and fixing better angle holder including connection etc as required.	20.000	Each	80.000	1,600.00	20.000	26.000	2,080.00
145	Supply of PVC insulated PVC sheathed aluminium conductor armoured under ground cable of graded 1.1 KV for working voltage upto 1100 volts conforming to ISI 1554 (Part-I) of 1964 with upto date amendment as detailed below.							-
	(a) 1.1 Core 120 sq mm	80.000	Meter	1185.000	94,800.00	80.000	0.000	-
146	grade of following size direct in ground including excavation, sand cushioning, protective				-			-
	(a) Above 95 sq mm and upto 185 sq mm	60.000	Meter	336.000	20,160.00	60.000	0.000	-
147	Laying and fixing of one number PVC Insulated and PVC sheathed aluminium conductor cable of 1.1 KV grade of following size on surface etc as required.				-			-
	(b) Above 95 sq mm and upto 185 sq mm (Clamped with 2540x2 mm MS flat clamps)	15.000	Meter	1324.000	19,860.00	15.000	0.000	-
148	Excavating for cable trenches of depth upto 1.2M in soft soil including getting out the excavated soil and disposal of surplus excavated soil directed within lead of 50 metres.	6.000	Cum	242.000	1,452.00	6.000	0.000	-
149	Filling available excavated earth (excluding rock) in trenches, sides of foundations etc. in layers not exceeding 20 cm in depth, consolidating each deposited layer by ramming and watering. lead upto 50 metres.	3.000	Cum	155.000	465.00	3.000	0.000	-
150	Supplying and laying following size DVC HDPE pipe ISI marked along with all accessories like socket, bend, couplers etc. conforming to IS 14950 Part II complete with fitting and cutting, jointing etc in the existing trench, complete as required.				-			-
	160 mm dia (OD-160 mm & ID-135 mm nominal)	5.000	Meter	371.000	1,855.00	5.000	0.000	-
151	Laying of one number PVC insulated and PVC sheathed aluminium conductor cable of 1.1 KV grade of following size in the existing RCC/ HUMERMETAL pipe etc as required.				-			-

152	(a) Above 95 sq. mm. and upto 185 sq. mm. Supplying and making end termination with brass compression gland and aluminium lugs for following size of PVC insulated and PVC sheathed XLPE aluminium conductor cable of 1.1 KV grade as required.	5.000	M	77.000	385.00	5.000	0.000	-
	(a) 3.5 Core 150 sq. mm.	2.000	Set	613.000	1,226.00	2.000	0.000	-
	Total Cost inc 18% GST				1,96,57,295.58			1,55,89,831.91
	Total cost below 1.51%				2,96,825.16			2,35,400.46
	Total Cost after Below 1.51%				1,93,60,470.42			1,53,54,425.44
153	Seigniorage Fee							
a	Coarse Sand	203.690	cum	17.580	3,580.87	297.836	235.409	4,138.90
b	Stone aggregate	197.510	cum	50.560	(11,724.19)	301.793	316.471	(18,785.75)
c	Local sand	171.500	cum	14.185	2,402.73	253.290	211.975	3,026.87
	Seigniorage fee Amount				(17731.79)			(25,931.17)
	Note: The rate of seigniorage shall be firm and shall not be affected with percentage rate quoted below or above				Total cost inc 18% GST (A) after Below and Plus Seigniorage fee			1,53,80,356.55
	QUOTATION ITEMS (AC, Refrigerator, gyser, TV & RO and lift)-RFQ							
S.No.	DESCRIPTION							
1	Supplying, installing, Testing, Commissioning of 1.5 T inverter AC including appropriate stabilizer complete setup of Make- (Daikin/Carrier/Hitachi/Voltas) all complete job as per direction of B/I. Note - 5 Star Rating Inverter AC	4	Nos	50000.00	2,00,000.00	4	4	2,00,000.00
2	Supplying, installing, Testing, Commissioning of 2.0 T inverter AC including appropriate stabilizer complete setup of Make- (Daikin/Carrier/Hitachi/Voltas) all complete job as per direction of B/I. Note - 5 Star Rating Inverter AC	4	Nos	35000.00	1,40,000.00	4	4	1,40,000.00
3	Supplying, installing, Testing, Commissioning of 25 l. gyser including complete setup of Make- (Havells/Bajaj /Chrompro (Roca /AO Smith) all complete job as per direction of B/I. Note - Gyser with 5 Star Rating	5	Nos	15000.00	75,000.00	5	5	75,000.00
4	Supplying, installing, Testing, Commissioning of 325 L refrigerator including complete setup of Make- (Samsung /LG /Haier) all complete job as per direction of B/I. Note - Refrigerator with energy efficient.	1	Nos	40000.00	40,000.00	1	1	40,000.00
5	Supplying, installing, Testing, Commissioning of 45 L refrigerator including complete setup of Make- (Samsung /LG /Haier) all complete job as per direction of B/I. Note - Refrigerator with energy efficient.	1	Nos	7000.00	7,000.00	1	1	7,000.00
6	Supplying, installing, Testing, Commissioning of 108 cm (42 inches) The Frame Series 4K Ultra HD Smart QLED TV television including complete setup of Make- (Samsung /LG and equivalent) all complete job as per direction of B/I. Note - Television with energy efficient.	4	Nos	100000	4,00,000.00	4	4	4,00,000.00
7	Supplying, installing, Testing, Commissioning of 138 cm (55 inches) 4K Ultra HD Smart NED QLED TV television including complete setup of Make- (Samsung /LG and equivalent) all complete job as per direction of B/I. Note - Television with energy efficient.	1	Nos	1300000	13,00,000.00	1	1	13,00,000.00
8	Supplying, installing, Testing, Commissioning of 20 l water purifier including complete setup of Make- (Aquaguard, Kent, LG, Bluestar/AO Smith) all complete job as per direction of B/I	1	Nos	40000	40,000.00	1	1	40,000.00
	Supplying Installation, Testing and Commissioning of Passenger elevator of capacity of 8 persons / 544 Kg complete with Specifications and Following requirements :- i Load and Speed @ 1.00 MPS.							
	ii Travel : Ground + three Floors.							
	iii Stop and Openings : 4 Stops, 4 Openings (All opening on same side)							
	iv Power supply : 415 Volts 3 Phase 50 cycle Ac supply Light supply : 230 volts, 1 phase ,50 cycles A.C.							
	v Main Drive for Car : AC variable voltage , variable frequency (VVVF)							
	vi Drive for Car door : AC variable voltage , variable frequency (VVVF)							
	vii Controls : Modular Type Microprocessor based with closed loop.							

9	iii. Operation: Simplex fully collective selective system (with / without attendant)							
	ix. Machine: Traction type Geared machine placed directly top of the hoist way.							
	x. Car Dimensions: 1300 mm x 1000 mm (Car inside Dimensions)							
	xi. Over current protection							
	xii. Overload and Load No stop Device.	1	no.	10,00,000	10,00,000.00	1	1	10,00,000.00
	1. Battery operated Alarm Bell and Emergency Light with battery charger.							
	iii. Light Ray device.							
	iv. Full Car Operating Panel with digital clock & temp. display.							
	v. Voice synthesizer.							
	Fireman's switch etc.							
	Car failure Operation (safe landing)							
	Over load Warning.							
	Infrared curtain door operation							
	Provision for Lighting in Lift well and Car top for maintenance.							
	And other safety features complete in all respect as per the specifications.							
ARD System with suitable battery, battery charger and other equipment etc complete as required.								
Standard Limits for Lifts:								
a. Rate of ACC / DEC: 1.2 M/Sec sq (Max.)								
b. Jerk: 1.2 M/Sec Cu (Max.)								
c. Car Vibration (Vertical / Horizontal): 20 / 6 mg (Max.)								
d. Noise Level:								
i. Car: 56 db (From 1 Meter distance)								
ii. M/C Room: 75 db (From 1 Meter distance)								
e. Level Accuracy: ± 1.5 mm (Max.)								
f. Flight Time (For 3.0 Meter): 7.0 Sec.								
Total Cost Ue 18% GST (B)					32,02,000.00			32,02,000.00
New Items								
1	Steel work welded in built up sections/framed work including cutting hoisting fixing in position and applying priming coat of approved steel primer using structural steel etc. as required. In gratings, frame, guard bar ladders, railing, gates and similar work etc.	0	kg	144.8	-	0	144.8	16,708.68
2	Providing and fixing 12 mm thick frameless toughened glass door shutter of approved brand and manufacture, including providing and fixing top and bottom pivot and spring type fixing arrangement and making necessary holes etc. for fixing required door fittings all complete as per direction of engineer in charge.	0	sqm	3143	-	0	25.38375	1,30,548.63
3	Provided and placing on terrace (at all floor levels) polythene water storage tank ISI-12701 marked with cover and suitable locking arrangement and making necessary holes.	0	litre	9.7	-	0	2000	19,400.00
Total Cost Ue 12% GST of New Items					-			1,66,657.31
Total Cost Ue 18% GST of New Items					-			1,72,429.38
1.51% below on new items					-			2,603.68
Total Cost Ue 18% GST & 1.51% below of new items (C)					-			1,69,825.62
Grand Total (A+B+C)					2,25,80,208.21			1,87,52,182.18
					225,80,208.21			35,28,026.04
								16.95
								(-) 16.95%

Megha Shrivastava
17/06/25
2 ETC/HA
Megha Shrivastava
J.E. (C), B.S.P.T.C. Nishant Naveen
17.06.25
Nishant Naveen
AE (C) BSPTCL

KUMAR ANAND
EE (CIVIL)
BSPTCL
17.06.25

New Items									
1	Steel work welded in built up sections/framed work including cutting hoisting fixing in position and applying priming coat of approved steel primer using structural steel etc. as required. In gratings, frame, guard bar ladders, railing, gates and similar work etc.	0 kg	114.6	-			345.8	16,708.68	
2	Providing and fixing 12 mm thick frameless toughened glass door shutter of approved brand and manufacture, including providing and fixing top and bottom pivot and spring type fixing arrangement and making necessary holes etc. for fixing required door fixings all complete as per direction of engineer in charge.	0 sqm	5143	-			25,38375	1,30,548.63	
3	Providing and placing on terrace (at all floor levels) polythene water storage tank ISI-12701 marked with cover and suitable locking arrangement and making necessary holes.	0 litre	9.7	-			2000	19,400.00	
Total (C) New Items									
Grand Total (A+B+C)				2,25,80,208.21				1,87,52,182.18	
								-38,28,026.04	
								-16.95	

Approximate Amount = 2,25,80,208.21
 2nd deviation Amount = 1,87,52,182.18
 Deviation (In Rs.) = -38,28,026.04
 Deviation (%) = -16.95%

Megha Shrivastava
 17/06/2025
 26/07/2025
 Nishant Naveen
 J.E. (C), B.S.P.T.C.L.

KUMAR ANAND
 SE (CIVIL)
 BSPTCL
 Kumar Chaitanya
 SE (C), BSPTCL

Deviation -16.35% may be approved.

ANJANI KUMAR
 CE (CIVIL)
 BSPTCL

Annexure-XLI



Bihar State Power Transmission Company Limited (BSPTCL)

Govt. Sanction Letter, Technical Sanction, NIT and Word Order

Name of the Work –

“Construction of Back-up SLDC building (G+2) at Gaya.”

**बिहार सरकार
ऊर्जा विभाग**

पटना, दिनांक-

पत्रांक-प्र०/BSPTCL-01/2018
सेवा में,

विषय: महालेखाकार (लेखा एवं हक),
बिहार, वीरचन्द गटेल मार्ग, पटना।
बिहार स्टेट पावर ट्रान्समिशन कं० लि० के सभी ग्रिड उपकेंद्रों के रियल टाइम डाटा संचार एवं दूरभाष को बिहार राज्य भार प्रेषण केंद्र से विश्वसनीय संचार माध्यम द्वारा यथा ओपीजीडब्ल्यू माध्यम से जोड़ने हेतु कुल 195.07 करोड़ (एक सौ पंचानवे करोड़ सात लाख) रुपये की योजना की स्वीकृति एवं उक्त स्वीकृत कुल राशि का 20% अर्थात् 39.014 करोड़ (उनचासी करोड़ एक लाख घातीस हजार) रुपये पूंजीगत निवेश के रूप में इक्विटी स्वरूप एवं शेष 80% अर्थात् 156.056 करोड़ (एक सौ छप्पन करोड़ पाँच लाख साठ हजार) रुपये राज्य सरकार की गारण्टी पर विभिन्न वित्तीय संस्थानों से ऋण प्राप्त करने की स्वीकृति एवं इस योजना के कार्यान्वयन हेतु वित्तीय वर्ष 2018-19 में 10.00 करोड़ (दस करोड़) रुपये बिहार स्टेट पावर ट्रान्समिशन कं० लि० को उपलब्ध कराने की स्वीकृति प्रदान करने के संबंध में।
आदेश:- स्वीकृत।

बिहार राज्य भार प्रेषण केंद्र के अनुभव की प्रणाली को सुदृढ़ करने हेतु एवं आपदा की स्थिति में विद्युत की बहाली तुरंत करने में सहायता प्रदान करने हेतु सारे ग्रिड उपकेंद्र (संचालन एवं निर्माणाधीन) एवं अन्य कार्यों के लिए रिलायबल कम्यूनिकेशन तथा डाटा एक्जूसीशन के तहत ओपीजीडब्ल्यू एवं इससे संचालित फाइबर ऑप्टिकल टर्मिनल यंत्र एवं आर० टी० यू० के साथ ही बैकअप राज्य भार प्रेषण केंद्र का काम किया जाना है, जिससे की सभी ग्रिड उपकेंद्रों के रियल टाइम डाटा संचार एवं दूरभाष बिहार राज्य भार प्रेषण केंद्र में उपलब्ध हो सकेगा। योजना के कार्यान्वयन हेतु कुल प्रावकलित राशि 195.07 करोड़ (एक सौ पंचानवे करोड़ सात लाख) रुपये अनुमानित है, जिसमें 3569 कि०मी० ओपीजीडब्ल्यू, 162 फाइबर ऑप्टिकल टर्मिनल यंत्र, 44 आर० टी० यू०, 60 डी०सी० पावर सप्लाय सिस्टम तथा एक बैकअप राज्य भार प्रेषण केंद्र का काम किया जाना है। इस योजना को 2020-21 तक पूरा करने का लक्ष्य रखा गया है।

- उक्त आलोक में राज्य सरकार द्वारा बिहार स्टेट पावर ट्रान्समिशन कं० लि० के सभी ग्रिड उपकेंद्रों के रियल टाइम डाटा संचार एवं दूरभाष को बिहार राज्य भार प्रेषण केंद्र से विश्वसनीय संचार माध्यम द्वारा यथा ओपीजीडब्ल्यू माध्यम से जोड़ने हेतु कुल 195.07 करोड़ (एक सौ पंचानवे करोड़ सात लाख) रुपये की योजना की स्वीकृति एवं उक्त स्वीकृत कुल राशि का 20% अर्थात् 39.014 करोड़ (उनचासी करोड़ एक लाख घातीस हजार) रुपये पूंजीगत निवेश के रूप में इक्विटी स्वरूप एवं शेष 80% अर्थात् 156.056 करोड़ (एक सौ छप्पन करोड़ पाँच लाख साठ हजार) रुपये राज्य सरकार की गारण्टी पर विभिन्न वित्तीय संस्थानों से ऋण प्राप्त करने की स्वीकृति एवं इस योजना के कार्यान्वयन हेतु वित्तीय वर्ष 2018-19 में 10.00 करोड़ (दस करोड़) रुपये बिहार स्टेट पावर ट्रान्समिशन कं० लि० को उपलब्ध कराने की स्वीकृति प्रदान की जाती है।
- उक्त राशि में सं०-10, मुख्य शीर्ष 4801-विजली परिषद/जनता पर पूंजीगत परियोजना, उप मुख्य शीर्ष-05 संभरण तथा वितरण, लघुशीर्ष-190- सार्वजनिक क्षेत्र के तथा अन्य उपकेंद्रों में निवेश, उपशीर्ष-0105-बिहार स्टेट पावर ट्रान्समिशन कम्पनी लि० को परिषद/जनता पर

GENERAL AND TECHNICAL REPORT

❖ Name of work	Construction of Back-up SLDC building (G+2) at Gaya.
❖ NIT No.	36/PR/BSPTCL/2022
❖ Name of Agency	M/s Mritunjay Kumar
❖ Head	State Plan, GoB L. No-059, dt.-26.07.2018 Rs. 195.07Cr Scheme

- This is regarding the work of construction of a Back-up SLDC building (G+2) at Gaya. To strengthen the monitoring system of State Load Dispatch Centre (SLDC) and to assist in quick restoration of Electricity in case of any disaster, a back-up SLDC alongwith OPGW and Fiber Optical Terminal Machine and RTU has to be established under Reliable communication and Data Acquisition Scheme (Rs. 195.07 Cr.), vide letter No.-09, dt.-08.05.20218 of Principal Secretary, Department of Energy. Construction of Backup SLDC has been proposed as a backup system for real time monitoring of power flow round the clock in case of disaster/failure of the SLDC.
- The estimate has been prepared on the basis of current CPWD plinth area rate w.e.f. 01.04.2021. The checked estimated cost is coming out to be Rs. 5,37,62,000/- (Rupees five Crore Thirty Seven Lakh Sixty Two Thousand) only. The estimation includes RCC framed structure for building, Fire Fighting, Automatic Fire Alarm System, Internal electrical installation, RCC Overhead tank, Horticulture, A.C, Furniture, Boundary wall, Development of site, etc. The estimation cost is inclusive of GST @18%, consultancy @ 2%.
- Technical sanction of the said work has been accorded by STC recommendation and subsequently financial concurrence to the tune of Rs. 5,37,62,000/- has been accorded under State Plan, GoB L. No-059,dt.-26.07.2018 Rs. 195.07Cr Scheme.
- Administrative approval and permission of tendering for the said work has been accorded by MD, BSPTCL.
- Tender for the aforesaid work has been invited vide NIT No.-36/PR/BSPTCL/2022. Post tendering the work was awarded to L-1 bidder i.e. M/s Mritunjay Kumar, Patna vide W.O. No.- 04, dated- 16.12.2022.

Ramesh Pr.
25.07.2025
Assistant Engineer (Civil)

Sanjay
25/7/25
Executive Engineer (Civil)

Sanjay
25/7/25
Superintending Engineer (Civil)

Sanjay
25.07.25
Chief Engineer (Civil)

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 49
 MITED

Name of Work :- Construction of Back-up SLDC.
 Proposed Head :- Reliable Communication and Data Acquisition Scheme (195.07Cr.).
 Estimated Cost :- Rs. 5,37,62,000/-
 Estimate No. :-

Revised technically approved for Rs. 5,37,62,000/- (Rupees Five Crore Thirty Seven Lakh Sixty Two Thousand) only.

[Signature]
 20.10.21
 AE (Cont Engineer (Civil))
 Assistant
 BSPTCL

[Signature]
 20.10.21
 EE (C) Engineer (Civil)
 Executive
 B.S.P.T.C.L

[Signature]
 20.10.21
 CE (C) Engineer (Civil)
 Chief
 B.S.P.T.C.L

Technical sanctioned for Rs. 5,32,62,000/- (Rupees Five Crore Thirty Seven Lakh Sixty Two Thousand) only.

[Signature]
 21/06/2022
 CE (C), NBPDCL

[Signature]
 21/06/22
 CE (Cm), BSPTCL

[Signature]
 21.06.22
 CE (Civil), BSPTCL



Bihar State Power Transmission Company Limited, Patna

(Regd. office: Vidyut Bhawan, Hailey Road, Patna)
GST No.: 10AAACH2393H1Z1, CIN: U74110HR2012SGC03880
Email: civil.dept@bspctl.bihar.gov.in, Contact No.: 7763817081, 9264127334
(Department of Civil of BSPCTL)

Re-Tender SHORT NOTICE INVITING TENDER

NIT No:- 36/PR/BSPCTL/2022

(Through e - procurement mode only- www.eproc2.bihar.gov.in)

Online e-Tenders are invited by Chief Engineer (Civil) from eligible and experienced Agency/ Firm/ Company/ State or Central Govt. Undertaking for the work noted below-

Sl. No.	Name of Work	Estimated Cost	E.M.D	Cost of BOQ (Non-refundable)	Completion time
1	Construction of Back-up SLDC building (G+2) at Gaya.	Rs. 5,27,08,000/-	Rs. 10,51,160/-	Rs. 11,800/-	12(Twelve) months
Bid submission start date and time:-		From 15:00 Hrs of 24.08.2022 through website www.eproc2.bihar.gov.in			
Bid submission end date and time:-		On 15:00 Hrs of 05.09.2022 through website www.eproc2.bihar.gov.in			
Pre-Bid meeting		15:00 Hrs of 30.08.2022 in the office of CE(Civil), BSPCTL, Vidyut Bhawan, Patna.			
Date of opening of Technical Part:		After 15:30 Hrs of 05.09.2022 through website www.eproc2.bihar.gov.in			
Date of opening of price part:		To be notified after Technical Bid Evaluation through website www.eproc2.bihar.gov.in			

1. BG will be deposited as cost of EMD in favour of Senior Manager (Finance & Accounts), BSPCTL payable at Patna or through online mode i.e. Internet payment gateway (Credit/debit), Net banking, NEFT/RTGS to BSPCTL, Patna.
2. Bid processing fee is to be paid through online mode i.e. Internet payment gateway (Credit/debit), Net banking, NEFT/RTGS to BSPCTL, Patna.
3. Cost of BOQ is to be paid through online mode i.e. Internet payment gateway (Credit/debit), Net banking, NEFT/RTGS to BSPCTL, Patna.
4. The estimated cost in BOQ, EMD & Cost of BOQ of the above mentioned works may vary in case of change in the estimated cost.
5. All original BG/ Acknowledgement receipt of e-payment of EMD & BOQ must be submitted in the office of Chief Engineer (Civil), BSPCTL, 4th floor, Vidyut Bhawan, Patna up to 15:30 Hrs of 05.09.2022.
6. The authority reserves the right to cancel the bid at any stage without assigning any reasons thereof.
7. The department doesn't take any responsibility for the delay/non-submission of tender/non-reconciliation of online payment caused due to non-availability of internet connection, network traffic holidays or any other reasons.
8. Bidder should have valid GST and all other applicable tax registration certificate and copies of the same duly attested shall be furnished.
9. The tender documents along with General/special condition, bids and any corrigendum/ addendum of the tender are available only at website www.eproc2.bihar.gov.in.

Chief Engineer (Civil)
BSPCTL

For complains regarding corruption Vigilance Help Line toll free No.- 1064, and telephone -0612-2232630. Consumer can deposit electricity bills via Sahaz Vasudha Centre or via www.northbiharbill.org & bills.sbpdel.in
E-tendering introduced in BSPCTL for tenders above Rs. 10 lacs. For registration login to www.eproc2.bihar.gov.in and e-Procurement Help Desk Toll free no. 1800 572 6571, Email Id: eproc2support@bihar.gov.in

Memo No. **300** /CE(C)/Trans/1082/2021

Dated **12-08-2022**

Copy forwarded to GM (HR & Admn.), BSPCTL for publication in leading newspapers/ A.O. (T), BSPCTL for information and necessary action/ DBA(IT), BSPCTL, Patna for uploading the tender notice on BSPCTL website.

Chief Engineer (Civil)
BSPCTL



BIHAR STATE POWER TRANSMISSION COMPANY LIMITED

A subsidiary company of Bihar State Power (Holding) Company Ltd. Patna
CIN-U74110BR2012SGC018889

[SAVE ENERGY FOR BENEFIT OF SELF AND NATION]

Head Office, Vidyut Bhawan, Bailey Road, Patna-800021

Email address- civil.dept@bsptcl.bihar.gov.in

Website- www.bsptcl.in

Work order no. C4/C/Trans/1082/2022

CIVIL PATNA

Dated 16/12/2022

From: Kumar
As Engineer (Civil)

To: M/s Mritunjay Kumar
At-Jakariyapur, near Krishna Niketan school, Dist-Patna-800007
Email-mritunjay9473240206@gmail.com

Work order for "Construction of Back-up SLDC building(G+2) at Gaya."

1. NIT No- 36/PR/BSPTCL/2022.
2. LOA vide letter no.- 457, Dt- 30.11.2022

Sir,

With reference to the above, undersigned is pleased to place an order with you for the above work on the terms and conditions enumerated below:-

1. **Scope of work :-** Civil work of Construction of Back-up SLDC building(G+2) at Gaya.
2. **Value of work :-** The value of the above work is Rs.4,22,49,252.07 (Rupees Four Crore Twenty Two Lacs Forty Nine Thousand Two Hundred Fifty Two and Seven Paise) only which has been quoted against the final estimated cost i.e. Rs.5,27,08,000/- only. The above cost is including GST @ 18% and other taxes etc.
3. **Quoted Rate :-** Your quoted rate is 19.98% below for SOR items & quoted amount Rs.68,12,000/- for Non SOR items.
4. **Performance Guarantee & Security Deposit :-** You had to submit total Security Deposit @ 10% of the work value out of which already deposited BG No.- 3150122BG00000007, Dt- 01.09.22 of Rs.10,60,000/- (Rupees Ten Lacs Sixty Thousand) only has been accepted for @2% of order value i.e. - Rs.8,44,985.04/- (Rupees Eight Lacs Forty Four Thousand Nine Hundred Eighty Five & Four Paise) Only as Performance Guarantee on your request. The balance 8% will be deducted from your running bills.
5. **Additional Performance Guarantee:-** You have submitted Additional Performance Guarantee amounting to Rs.47,00,000/- (Rupees Forty Seven Lac) only in form of BG(vide B.G. No.- 315022BG500000011, dated-05.12.2022 valid upto 05.12.2023) in favour of Sr. Manager (F&A), BSPTCL, Patna, as per SBD Clause no.-27.4. The additional performance guarantee shall be released after completion of the work.
6. **Release of Security deposit :-** On completion of the whole of the work, half of the total amount of security shall be repaid to the contractor after six months of completion. However, the balance half of the total amount of security will be returned after completion of defect liability period and after the engineer-in-charge has certified that all defects notified by him to the contractor before the end of this period have been corrected and also after recovery of any dues.

(P.T.O.)

7. **Completion of time:-** 12 (Twelve) Months from the date of issue of work order or the handover of work whichever is later.
8. **Defect Liability period:-** Defect liability period shall be 03 (three) years after completion of work.
9. **TERMS OF PAYMENT:-** The paying authority will be Accounts Officer, BSPTCL, Patna. The bill in triplicate shall be prepared by concerned J.E (Civil), checked by AE (C) & EE(C) and it will be forwarded to Sr. Manager (F&A), BSPTCL, Patna for payment & with an information to SE(Civil), HQ Patna.
10. **Work-in-Charge-** Work-in-charge for this work shall be SE (Civil), Transmission Civil Circle, Gaya & EE (Civil), Transmission Civil Division, Gaya.
11. **Agreement:-** You have to execute an agreement within 15(Fifteen) days of issue of work order.
12. Test reports and checklist pertaining to brickwork, RCC, PCC etc. as applicable, shall be submitted along with the bills.
13. **General Terms and condition:-** All the terms and condition enumerated in agreement & tender document shall apply for carrying out this work and contract.
14. This work order or its amendment, if any, will form a part of the agreement. All taxes shall be applicable and deducted as per rule.
- The receipt of the acceptance may please be sent to this office immediately.

Yours faithfully,

16.12.22
(Anjani Kumar)
Chief Engineer (Civil)

Memo No 475 / Patna

Copy forwarded to:- ●GM (F&A), BSPTCL Patna/ ESE, Transmission Circle, Gaya / SE(C), Transmission Civil Circle, Gaya / Sr. Manager(F &A), BSPTCL/ EE (C), Transmission Civil Division, Gaya for information and necessary action.

Dated 16/12/2022

16.12.22
(Anjani Kumar)
Chief Engineer (Civil)

Proceeding of Special Technical Committee- Meeting of Bihar State Power Transmission Company Limited, Patna held on 20.04.2023 in the office of CE(Civil), BSPTCL.

Present:-

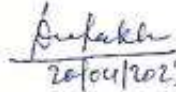
- | | |
|---|----------|
| (i) Sri Anjani Kumar, CE(Civil), BSPTCL | - Member |
| (ii) Sri Deepak Kumar, CE(Civil), NBPCL | - Member |
| (iii) Sri S.N. Kumar, CE(O&M), BSPTCL | - Member |

Agenda for Approval of Deviation of 19.86% for the work of Construction of Back-up SLDC building (G+2) at Gaya against NIT-No.- 36/PR/BSPTCL/2022.

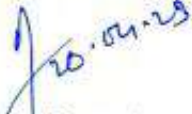
The Agenda was discussed in detail and being satisfied with the reasons of deviation. The STC recommends the deviation of 19.86% for the work of Construction of Back-up SLDC building (G+2) at Gaya against NIT-No.- 36/PR/BSPTCL/2022 due to following reasons:-

- 1) Initially the preliminary estimation was Rs.5,27,08,000/-.
- 2) After design and engineering done by the consultant the Raft/Mat foundation has been proposed for Back-up SLDC building (G+2) and foundation suitable for G+4 Building. This led to increase in quantities of major civil items such as RCC & Reinforcement subsequently the work value changed from Rs 4,22,49,252.00 to Rs.-5,06,40,055.21.
- 3) Hence, because of mat foundation volume of RCC, reinforcements and other associated items have been changed significantly which majorly constitutes the proposed deviation for the work i.e. 19.86%.

Hence, due to the above justifiable reasons **deviation of 19.86%** may be approved.


20/04/2023
(Deepak Kumar)
Chief Engineer (Civil)


(S.N. Kumar)
Chief Engineer (O&M)


20.04.23
(Anjani Kumar)
Chief Engineer (Civil)

NAME OF THE PROJECT :CONSTRUCTION OF BACK-UP SLDC BUILDING (G+2) AT GAYA

Work order no. - 04/CIVIL, PATNA Dated - 16/12/2022

Deviation Chart

S.N.	DESCRIPTION OF ITEM	UNIT	RATE	BOQ as per agreement		BOQ as per actual qty.		Deviation in Amount
				QTY	AMOUNT	QTY	AMOUNT	
Building work								
1	Earth work in excavation for all kinds of soil in foundation (treacher or drilled) not exceeding 1.5 m in width or 10 sqm in plan) including dewatering of sides and removing of bottom, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m	Cum	360.70	1441.87	520682.51	1711.30	617265.91	97,183.40
2	Providing, designation 105 A one brick flat joint filling joints filled with local sand including joint of watering, rivets, trowel all complete as per building specification and division of EA.	Sqm	283.30	483.52	136981.22	531.84	150670.27	13,689.06
3	Providing and laying in position concrete concrete of specified grade including the cost of carrying and sheltering all work apparatus, lead 1:1.5 ft. Concrete 3 cement sand 4 graded sand aggregate 40 mm nominal size)	Cum	3279.80	143.40	470323.32	143.40	470323.32	0.00
5	Providing and laying in position machine batched and machine mixed design mix M-25 grade concrete for reinforced concrete concrete work, using cement content as per approved design mix including pumping of concrete to site of laying but excluding the cost of concreting, shuttering, finishing, and including reinforcement of concrete, expense workability without impairing strength and admixtures in recommended proportions as per IS 9103 to accelerate/retardement/ductility as per direction of Engineer-in-charge Note:- Cement content considered in this item is @ 340 kg/cum. Excess or less cement used as per design mix is payable or recoverable separately.	Cum	4921.40	593.12	2918980.77	608.65	2995410.11	76,429.34
6	Providing and laying in position machine batched and machine mixed design mix M-25 grade concrete for reinforced concrete concrete work, using cement content as per approved design mix including pumping of concrete to site of laying but excluding the cost of concreting, shuttering, finishing, and including reinforcement of concrete, expense workability without impairing strength and admixtures in recommended proportions as per IS 9103 to accelerate/retardement/ductility as per direction of Engineer-in-charge Note:- Cement content considered in this item is @ 340 kg/cum. Excess or less cement used as per design mix is payable or recoverable separately.	Cum	5458.00	499.74	2727580.92	499.74	2727580.92	0.00
7	Concreting and shuttering including strutting, propping etc. and removal of form for concrete							0.00
7(i)	Foundation, Beams, bases of columns etc. for main concrete	Sqm	211.60	88.00	18620.80	88.28	18680.05	59.25
7(ii)	Columns, Pillars, Piers, Abutments, Beams and Slabs	Sqm	404.40	883.19	436649.14	1118.58	553025.95	1,16,376.82
7(iii)	Landis, beams, plates, beams, girders, beamers and castellers	Sqm	425.10	1439.29	611842.18	1006.29	427773.88	-1,84,068.30
7(iv)	Suspended floors, roofs, landings, balconies and access platform	Sqm	437.50	1580.08	691285.00	1714.72	750190.00	58,905.00
7(v)	Slabs (excluding landings) except special surfaces	Sqm	439.50	80.19	35275.58	100.68	44289.13	9,013.55
8	Reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete							0.00
	Thermo-Mechanically Treated bars TMTC-500-8mm dia.	Kg	94.50	2615.52	247166.64	17554.96	1658944.07	14,11,777.43
	Thermo-Mechanically Treated bars TMTC-500-10mm dia.	Kg	92.60	31447.59	2912046.83	11930.23	1104739.30	-18,07,307.54
	Thermo-Mechanically Treated bars TMTC-500-12mm dia.	Kg	90.80	7075.10	642419.08	6860.75	622956.10	-19,462.98
	Thermo-Mechanically Treated bars TMT Fe-500-16mm dia.	Kg	91.70	9799.72	898638.91	6883.42	631209.61	-2,67,429.30
	Thermo-Mechanically Treated bars TMT Fe-500-20mm dia.	Kg	91.70	56957.28	5222982.58	59754.54	5479491.53	2,56,508.95
	Thermo-Mechanically Treated bars TMT Fe-500-25mm dia.	Kg	91.70	62098.16	5694411.27	64898.81	5951220.89	2,56,819.62

9	Brick work with bricks of class designation 100A in foundations and plinth. (Content not as per 11 except 6 coarse sand)	Cum	4819.90	17.00	81938.30	41.46	199833.05	1,17,894.75
10	Brick work with bricks of class designation 100A in foundations and plinth in superstructure above plinth level upto floor V. (Content not as per 11 except 6 coarse sand)	Cum	5662.10	687.60	3891249.96	300.75	1702885.11	-21,90,374.85
11	Brick work with bricks of class designation 100A in foundations and plinth in superstructure above plinth level upto floor V. (Content not as per 11 except 6 coarse sand)	Sqm	125.60	1535.10	191552.56	2003.43	251630.81	60,078.25
12	Providing and fixing of all height false ceiling of 12.5 mm thick tapered edge gypsum board conforming to IS-3095 including providing and fixing of frame work made of special sections power pressed from MS, steel and galvanized iron conforming with size ceiling, 600 mm per 15' x 27' and terminating at angle cleats of size 21 mm wide x 16 mm thick with flanges of 22 mm and 27 mm at 1200 mm centre to centre one flange fixed to the ceiling with depth flange 12.5 mm dia x 40 mm long with 6 mm dia hole to the angle flange of 2.5 mm x 5 mm of required length, and other end of angle flange being fixed with nut and bolt to the 1200 mm centre to centre to which the ceiling section 0.5 mm thick between edges of 40 mm with tapered flanges of 20 mm each having edges of 10.5 mm at 450 mm centre to centre shall be fixed in a direction perpendicular to G.I channel with connecting clips made out of 2.0 mm dia x 230 mm long G.I wire at every 900 mm including fixing the gypsum board with ceiling section and perimeter boards 0.5 mm thick 27 mm high having flanges of 20 mm and 30 mm long the perimeter of ceiling fixed to wall / partition with the help of nail plates 450 mm centre to centre with 25 mm long drilled screws @ 120 mm interval including cutting and fixing to in flush of tapered and square edges of the gypsum board with recommended filler, paper tapes, filler and two coats of primer suitable for gypsum board as per manufacturer's specification and also including the cost of labour, material and transport charges suitably fixed all complete as per drawing and specifications and direction of the Engineer-in-Charge but excluding the cost of painting.	Sqm	738.30	1376.90	1016565.27	1231.01	910331.28	-1,06,233.99
13	Concrete plaster in concrete sand, 12 mm concrete plaster of mix 1:4:1 cement 6 coarse sand)	Sqm	141.50	3040.20	430202.45	2438.48	345044.92	-85,157.53
14	15 mm concrete plaster on rough side of angle at half fixed wall of mix	Sqm	162.80	1341.48	218392.94	1667.31	271438.07	53,045.12
15	Providing, fabricating and supplying and fixing panels of aluminium composite panel cladding in pan shops in metallic colours of approved shades made out of 4 mm thick aluminium composite panel material consisting of 4 mm thick PR grade mineral core sandwiched between two aluminium sheets (each 0.5 mm thick). The aluminium composite panel cladding shall be cut, coated with Kymex 300 based PVDG / Lamination based fluoropolymer resin coating of approved colour and shade on face B and polymer (Sevised) coating on face A as specified using stainless steel screws, nuts, lock washers, etc. The cladding brackets of Aluminium alloy 6063 T5 / MS with Hot Dip Galvanised with serrations and serrated washers, between the wood load members, fasteners, SS 316 Pins and anchor bolts of approved make in SS 316, Nylon separators to prevent horizontal contacts all complete required to perform as per specification and drawing. The item includes cost of all material & labour component, the cost of all work up to the cost of all complete of the individual components for testing in an approved laboratory, field test on the assembled working curtain wall with aluminium composite panel cladding, cladding protection of the curtain wall with aluminium composite panel cladding, all the handling over of the building for occupation, upon frame work for ACP cladding is payable under the relevant aluminium system. The Contractor shall provide curtain wall with aluminium composite panel cladding having all the performance characteristics all complete, as per the Architectural drawings as per item description, as specified, as per the approved shop drawings and as directed.	Sqm	4674.20	455.52	2038087.58	310.00	1387002.00	-6,51,085.58

16	Design supply & installation of suspended Spade Glazing system designed to withstand the wind pressure as per IS 875 (Part-III). The Suspended System built with Spade Plating of SS-316 Grade Steel of approved manufacturer with glass panel having 12 mm thick clear toughened glass held together with SS-316 Grade Stainless steel Spade & lock assembly with laminated glass film 21 mm thick. The Glass film and glass panel assembly shall be connected to Substructure by means of SS-316 Grade stainless steel brackets. A. Anchor bolts and all fasteners using SS channel of SS-316 Grade stainless steel having both, non-slanting weather sealants of approved make. Teflon/ nylon washers and separators to prevent corrosive contact, all corrosion to perform as per specification and approved drawings. The complete system to be designed to accommodate thermal expansion & seismic movements etc. The joints between glass panels (6 to 8 mm) and gaps at the perimeter & in channel of the assembly to be filled with non-shrinking weather sealant in order to make the entire system fully water proof & airtight. The rate shall include all design, engineering and shop drawing, including approval from structural designer, labour, 18P scaffolding, other incidental charges including unloading, unloading temporary services all fitting, fixings, nut bolts, washers, flange plate, finger, archers, SS channel laminated glass etc. all complete. For the purpose of payment, actual elevation area of Glazing including thickness of panel and the portion of 150mm panel inside the SS channel shall be measured.	Sqm	3899.70	188.00	713143.60	86.25	336349.13	-3,96,794.48
17	Providing and applying plaster of paris purity of 7 mm thickness over plastered surface to prepare for white wash and smooth complete	Sqm	127.90	5906.88	755489.95	3987.76	510034.50	-2,45,455.45
18	Providing and having water proofing treatment in vertical and horizontal surface of depressed portions of W.C. kitchen and for the finishing of (i) for entire of applying cement slurry (ii) 4.4 kg/m ² mixed with water proofing compound conforming to IS 2643 in recommended proportion (iii) 1.16 course of 20 mm cement plaster (iv) 1.3 (i) cement 3 course sand mixed with water proofing compound in recommended proportion, (ii) 100 mm of applying brown cement plaster applied at 1.7 kg per sqm of area, (iii) 100 mm of 400 mesh fine PVC sheet (Overlapped at joints of PVC sheet should be 100 mm wide and sealed to each other with butanone (ii) 1.2 kg/m ²)	Sqm	480.60	68.92	33137.76	68.88	33103.73	-24.03
19	Providing and having in six seven course water proofing treatment with APP (Glassy polypropylene modified Polymeric membrane over and consisting of first coat of bitumen primer (0.08 kg/m ² per sqm), 2nd, 4th & 6th courses of bonding material (0.120 kg/m ²), which shall consist of 10mm type bitumen of grade ES25 conforming to IS 7032 and 5th layer of roofing compound APP modified Polymeric membrane 1.5mm thick of 2.25 kg/m ² weight consisting of five layers pre-laminated with centre coat of 20 micron Modiflex film sandwiched in both sides with polymeric mix and the polymeric mix is protected on both side with 20 micron Modiflex film. 7th, 8th and 9th layer shall be finished with 100 mm of 400 mesh fine PVC sheet (Overlapped at joints of PVC sheet should be 100 mm wide and sealed to each other with butanone (ii) 1.2 kg/m ²)	Sqm	531.00	497.21	264018.51	589.82	313194.42	49,175.91
20	Providing and having brick tiles of class designation 100 over masonry work provided with cement mortar 1:3 (i) concrete 3 course sand mixed with 2% of integral water proofing compound by weight of concrete, over a 12 mm layer of cement mortar 1:3 (i) concrete 3 fine sand and finished with 18 P brick slab	Sqm	471.10	497.21	234225.63	0.00	0.00	-2,34,235.63
21	Discrepancy with last masonry acrylic distemper, being VPO (Volatile Organic Compound) content less than 50 g/litre/litre of approved brand and colour - 3 coats including applying, one coat of distemper primer of approved brand and material on wall surface	Sqm	52.60	4565.40	237888.76	4348.78	228745.83	-9,142.93
22	Finishing walls with Acrylic Smooth exterior paint of approved shade. New work (Flowing) one coat applied (0.167 kg/10 sqm) over and including priming coat of exterior primer applied (0.220 kg/10 sqm)	Sqm	137.00	1341.50	134716.90	1501.11	205652.07	70,935.17
23	Putting with synthetic enamel paint of approved brand and manufacturer of approved colour to give in each shade. Two or more coats on new work over an under coat of suitable shade with ordinary paint of approved brand and manufacturer including. With ready mixed paint of any primer of approved brand and manufacturer on wood work (fixed and unfixed)	Sqm	156.20	147.00	19484.39	7.50	1171.50	-18,312.89
24	Providing and having Vitrified tiles in floor, size of 400 x 400 mm thickness to be specified by the manufacturer, with water absorption less than 0.18% and conforming to IS 15027 - of approved brand & manufacturer, wall colour and shade and with cement based high polymer modified spack put 40 adhesive (water based) conforming to IS 15027, in average 2.6 mm thickness, including grouting of joints (system for grouting of joints to be made separately)	Sqm	1263.10	1144.06	144362.19	1796.23	1510958.11	65,895.93
25	Providing and having Cement glazed floor tiles 300x300 mm (thickness 8mm) to be specified by the manufacturer of approved brand & manufacturer, wall colour and shade and with cement based high polymer modified spack put 40 adhesive (water based) conforming to IS 15027, in average 2.6 mm thickness, including grouting of joints (system for grouting of joints to be made separately)	Sqm	685.80	70.00	48076.00	68.88	47306.78	-769.22

26	Providing and fixing 1st quality ceramic glazed wall tiles conforming to IS 15022 (Thickness to be specified by the manufacturer) of approved make in all colours, shades except burgundy, dark green, black of any size as approved by Engineer-in-charge in drawing, sizes of tiles and spacers over 12 mm thick bed of cement Mortar 1:1:1 cement, 3 coarse sand 1 and pointing with grey cement slurry @ 3.3 kg per sqm including grouting in white cement mixed with pigment of matching shade complete.	Sqm	705.00	129.50	102952.50	267.32	312519.40	1,09,566.90
27	Providing and fixing Polished Granite stone slab flooring of jet black, Cherry Red, Blue Brown, Cat Eye or equivalent as required design and pattern in floor as well as in curvilinear portions of the building, all complete, as per the architectural drawings with 18 mm thick stone slab over 20 mm (concrete) thick base of concrete (1:4:1) cement, 4 coarse sand laid and jointed with cement slurry and pointing with white cement slurry mixed with pigment of matching shade including rubbing, sealing and polishing etc. all complete as specified and as directed by the Engineer-in-charge.	Sqm	3605.70	292.52	1054592.10	292.52	1054593.10	0.00
28	Kota stone slab 20 mm thick in rooms of top store, Dado & pillars laid on 12 mm (average) thick cement mortar 1:3 (1 cement, 1 coarse sand) and pointed with grey cement slurry mixed with pigment to match the shade of the slab including rubbing and polishing complete. Details of cost for 10 sqm.	Sqm	4401.20	132.00	580958.40	132.00	580958.40	0.00
29	Extra 100 per cent for material wastage in works of Kota stone / sand stone slab.	Sqm	82.90	187.20	15518.88	163.08	13519.33	-1,999.55
30	Providing and fixing dry-laid brickwork upon 10 course heights with 10 mm thick jointing sand, with machine cut edges of	Sqm	3114.00	0.00	0.00	0.00	0.00	0.00
31	Providing and fixing structural sand frame (to dry cladding with 30 mm thick jointing sand) with machine cut edges and joints	kg	160.70	0.00	0.00	0.00	0.00	0.00
32	Providing and fixing raised flooring with steel framed frame with concrete/sandstone floor top 75 to 80 MM	Sqm	42.50	385.79	16396.08	0.00	0.00	-16,396.08
33	Providing wood work in frames of doors, windows, decorative windows and other frames, wrought iron and fixed in position with half inch lugs or with flush fasteners of required dia & length (to hold lugs in place) to be fixed in the wall/ceiling/floor/door/slab.	Cum	120526.00	15.00	1807890.00	0.25	30131.50	-17,77,758.50
34	Providing and fixing ISI marked flat door frames conforming to IS 2302 (Open & Decorative type, one of black wood construction with frame of 1.25 inch hard wood and well matched top, 3 ply veneering, with vertical grain or cross grain and face veneers on both faces of doors, 15 mm thick including stainless steel but hinges with necessary screws including providing & fixing top & bottom joint R using planer wood grain in glass / room / window frame with high density protective surface layer and reverse side of adhesive bonding quality conforming to IS 2046 Type S, including cost of adhesive of approved quality 1 mm thick	Sqm	3514.60	73.30	258313.10	7.14	25094.24	-2,33,228.86
35	Providing and fixing 12 mm thick laminated Douglas fir door shutter of approved brand and manufacturer, including providing and fixing top & bottom joint R using type locking arrangement and making necessary holes etc. for fixing required door fittings of similar or per direction of Engineer-in-charge (Door handle, lock and stopper etc. to be paid separately).	Sqm	5143.00	0.00	0.00	13.44	69121.92	69,121.92
36	Providing and fixing factory made UPVC door frame made of UPVC extruded section profile size 40x50 mm having an overall dimension as below (tolerance ±1mm) with wall thickness 2.0 mm (±0.2 mm), corners of the door frame to be jointed with galvanized brad nails and stainless steel screws, joints raised and plastic welded. The large side vertical of the frame reinforced by galvanized M.S. tube of size 10 X 10 mm and 1 mm (±0.1 mm) wall thickness and 1 nos. stainless steel hinges fixed to the frame complete as per manufacturer's specification and direction of Engineer-in-charge.	m	251.80	47.50	11960.50	101.20	25482.16	13,521.66
37	10 mm thick factory made Polypropylene Chloride (PVC) door shutter made of styles and rails of a UPVC hollow section of size 60x10 mm and wall thickness 2 mm (±0.2 mm), with white decorative moulding edging on one side. The styles and rails raised and jointed at the corners by means of M.S. galvanized brad nails of size 75x220 mm having wall thickness 1.6 mm and stainless steel screws. The styles of the shutter reinforced by means of galvanized M.S. tube of size 25x20 mm and 1 mm (±0.1 mm) wall thickness. The lock rail made up of 30° section, a UPVC hollow section of size 100x20 mm and 2 mm (±0.2 mm) wall thickness fixed in the shutter styles by means of galvanized M.S. 'U' clamps. The shutter frame fitted with a UPVC strike chamber (single panel of size not less than 620 mm, having over all thickness of 20 mm and 1 mm (±0.1 mm) wall thickness. The panels fitted vertically and to be at two places by means of horizontally 6 mm galvanized M.S. rod and fastened with nuts and washers, complete as per manufacturer's specification and direction of Engineer-in-charge.	Sqm	1846.90	18.90	34906.41	36.12	46710.03	31,803.62

38	Providing and fixing factory made uPVC white colour casement/curtain rail fixed glass door comprising of uPVC multi-chambered frame, sash and stuffer (where ever required) external profiles duly sandblasted with 1.60 ± 0.2 mm thick galvanized mild steel section made from self forming process of tapered flange (shape & size according to uPVC profile), uPVC extruded glazing beads of appropriate dimensions, EPDM gaskets, zinc alloy (white powder coated) JIG hinges and one handle on each side of panels along with zinc plated mild steel main post locking having minimum 900g cyclotron with keys and one side key. Q1 fasteners 100×8 mm size for fixing frame to finished wall and necessary minisets, steel screws, etc. Profile of frame & sash shall be riveted, cut and finish welded at all corners, mullion (if required) shall be also finish welded including drilling of holes for fixing hardware and drainage of water etc. After fixing frame the gap between frame and adjacent finished wall shall be filled with weather proof silicon sealant over lather rod of required size and of approved quality; all components as per approved drawing & direction of Engineer-in-Charge. (Single / double glass panes and silicon rubber shall be paid separately). Note: For uPVC frame, sash and mullion extruded profiles minus 5% tolerance in dimension i.e. in depth & width of profile shall be acceptable. Providing and fixing factory made uPVC white colour sliding glass door up to 1.50 m in height dimension comprising of uPVC multi-chambered frame with in-built roller track and with extruded profiles duly sandblasted with 1.60 ± 0.2 mm thick galvanized mild steel section made from self forming process of tapered flange (shape & size according to uPVC profile).	5sqm	9471.00	194.84	1845329.64	16.80	159112.80	-16,86,216.84
39	Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with EPDM rubber (neoprene grade) etc. complete as per the architectural drawings and the directions of Engineer-in-Charge. (Cost of aluminium sash building shall be paid in basic item) With float glass panes of 8 mm thickness weight not less than 28 kg/panes	sqm	1285.60	46.91	60307.50	200.88	258251.33	1,97,943.83
40	Providing and fixing minimum high S.S.304 Grade Stainless steel railing with 40mm diameter and 1.5mm thick in top-down diameter and 1.5mm thick vertical supports spaced at 1.5m center to center and 4mm thick toughened glass including fabricating, finishing, erecting, necessary welding, grinding, finishing, buffing to achieve steel type etc. Sample ** See No. As directed by Engineer-in-Charge	Kg	546.80	660.60	361216.08	660.60	361216.08	0.00
41	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes having thermal stability for hot & cold water supply, including all CPVC plan & brass threaded fittings, including forcing the pipe with clamps at 1.60 m spacing. This includes joining of pipes & fittings with one step CPVC solvent cement and sealing of joints complete in per direction of Engineer-in-Charge. For external works.	m	538.40	60.00	32304.00	60.00	32304.00	0.00
41.1		m	791.00	60.00	47460.00	60.00	47460.00	0.00
41.2		m						0.00
42	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes having thermal stability for hot & cold water supply, including all CPVC plan & brass threaded fittings, including forcing the pipe with clamps at 1.60 m spacing. This includes joining of pipes & fittings with one step CPVC solvent cement and sealing of joints complete in per direction of Engineer-in-Charge. For external works.	m	278.20	110.00	30602.00	110.00	30602.00	0.00
		m	350.80	110.00	38588.00	110.00	38588.00	0.00
		m	463.10	60.00	27786.00	60.00	27786.00	0.00
43	Providing and fixing, masonry type water meter (steel type) conforming to IS - 2373 and tested by Municipal Board complete with bellows, rubber resistances etc. (The seal gaskets if required will be paid separately).	each	3533.70	1	3533.70	1.00	3533.70	0.00
44	Providing and fixing brass bib cock of approved quality 15 mm nominal bore	each	303.80	12.00	3645.60	20.00	6076.00	2,430.40
45	Providing and fixing brass stop cock of approved quality 15 mm nominal bore	each	303.80	12.00	3645.60	30.00	9114.00	5,468.40
46	Providing and fixing 25mm dia gun metal gate valve with C.I wheel of approved quality (standard end)	each	512.30	13.00	6659.90	8.00	4258.40	-2,661.50
47	Providing and fixing 50mm dia gun metal gate valve with C.I wheel of approved quality (standard end)	each	878.20	2.00	1756.40	2.00	1756.40	0.00
48	Providing and fixing 75mm dia ball valve (brass) of approved quality. High or low pressure, with plastic float complete	each	348.90	2	697.80	6.00	2093.40	1,395.60
49	Providing, laying and jacking Minimum dia glazed uncoated paper class SP-1 with self sealant of correct colour in the proportion of 1:1:1 cement : 1 fine sand including testing of joints etc. complete	m	464.30	230.58	107058.29	20.00	9286.00	-97,772.29

d	Moorum	cum	431.2	0	0.00	0.00	0.00	0.00
64	Laying, spreading and compacting stone aggregate of specified sizes to WBM specifications in uniform thickness, hand picking, rolling with 3 wheeled road / vibratory roller 8-10 tone capacity in stages to proper grade and camber, applying and brooming requisite type of screening / binding material to fill up interstices of coarse aggregate, watering and compacting to the required density.	cum	487	0	0.00	0.00	0.00	0.00
B	BOUNDARY WALL							
Sl. No.	Particulars	Unit	Rate	Qty	Amount	Qty	Amount	Deviation in Amount
1	Earth work in excavation in foundation trenches or drains not exceeding 1.5 m in width or 10 sqm in plan) including dressing of sides and removing of bottom, lift upto 1.5 m including grading and the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m.	cum	₹ 160.70	0.000	₹ 0.00	0.000	0.00	0.00
2	Providing and laying in position cement concrete of specified grade including the cost of casting and shuttering all work upto plinth level. 1:4:8.1. Concrete 4 course each 100 mm thick 40 mm nominal size.	cum	₹ 2,975.20	0.000	₹ 0.00	0.000	0.00	0.00
3	Providing and laying in position specified grade of reinforced cement concrete excluding the cost of reinforcement, finishing and reinforcement. All work upto plinth level 1:1.5:3.1 (cement 1:5 coarse aggregate 1 graded stone aggregate 20 mm nominal size).	cum	₹ 4,688.30	0.000	₹ 0.00	0.000	0.00	0.00
4	Reinforced cement concrete work in wall (vary thickness), wellhead, manholes, pillars, buttresses, plinth and wing courses, fillets, columns, pillars, piers, abutments, piers and gables, etc. up to floor line including cost of concrete, shuttering, finishing and reinforcement. 1:1.5:3.1 (cement 1:5 coarse aggregate 20 mm nominal size).	cum	₹ 5,555.20	0.000	₹ 0.00	0.000	0.00	0.00
5	Formwork and shuttering including dressing, propping etc. and removal of form for foundations, bearings, slopes of columns etc. for main concrete.	sqm	₹ 211.60	0.000	₹ 0.00	0.000	0.00	0.00
5.1	Columns, Pillars, Piers, Abutments, Piers and Slopes	sqm	₹ 494.40	0.000	₹ 0.00	0.000	0.00	0.00
5.2	Columns, Pillars, Piers, Abutments, Piers and Slopes	sqm	₹ 494.40	0.000	₹ 0.00	0.000	0.00	0.00
5.3	Columns, Pillars, Piers, Abutments, Piers and Slopes	sqm	₹ 494.40	0.000	₹ 0.00	0.000	0.00	0.00
6A	Block work with bricks of class designation (B8.4 in foundation and plinth in Cement mortar 1:6:11 (cement 1: coarse sand 1:6:11).	cum	₹ 4,819.90	0.000	₹ 0.00	0.000	0.00	0.00
6B	Block work with bricks of class designation (B8.4 in foundation and plinth in Cement mortar 1:6:11 (cement 1: coarse sand 1:6:11).	cum	₹ 5,662.10	0.000	₹ 0.00	0.000	0.00	0.00
7	12 mm concrete plaster of mix 1:4:1 (cement 1: coarse sand 1:4:1).	sqm	₹ 141.50	0.000	₹ 0.00	0.000	0.00	0.00
8	Applying one coat of cement plaster of approved brand and manufacturer on wall surface. Cement grout.	sqm	₹ 38.60	0.000	₹ 0.00	0.000	0.00	0.00
9	Plastering with water proofing cement paint of approved brand and manufacturer and of required shade to give an even shade. New work (three or more coats).	sqm	₹ 81.20	0.000	₹ 0.00	0.000	0.00	0.00
10	Reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all lengths.	kg	₹ 94.50	0.000	₹ 0.00	0.000	0.00	0.00
A	Thermo-Mechanically Treated bars TMTC-500-8mm dia.	kg	₹ 94.50	0.000	₹ 0.00	0.000	0.00	0.00
B	Thermo-Mechanically Treated bars TMTC-500-12mm dia.	kg	₹ 90.80	0.000	₹ 0.00	0.000	0.00	0.00
C	Thermo-Mechanically Treated bars TMTC-500-16mm dia.	kg	₹ 91.70	0.000	₹ 0.00	0.000	0.00	0.00
D	Drilling Iron DNR In M.S. angle iron for fixing of staples etc. as per building specification and direction of ISI.	each	₹ 9.00	0.000	₹ 0.00	0.000	0.00	0.00
11	Labour for cutting of M.S. angle iron post in required length, size and spiral as fitted in a length of 100mm complete in per building specification and direction of ISI.	each	₹ 28.20	0.000	₹ 0.00	0.000	0.00	0.00
12	Labour for fixing and fixing barbed wire fencing in six rows horizontal up to a height of 1.5m and two diagonals including fixing of post in cement concrete at 2.5m centres including cost of staples (cost exceeding the cost of cement concrete, angle, iron post, its cutting and making holes, run & bed) all complete in per building specification and direction of ISI.	metre	₹ 74.60	0.000	₹ 0.00	0.000	0.00	0.00
13	Apply priming coat. With ready mixed one chrome yellow primer of approved brand and manufacturer on wall and abutment applied works.	sqm	₹ 34.60	0.000	₹ 0.00	0.000	0.00	0.00
14	Painting with ready mixed paint of approved brand and manufacturer in all shades to give an even shade. New steel work (two or more coats).	sqm	₹ 83.50	0.000	₹ 0.00	0.000	0.00	0.00
15	Supply of MS Angle 90X50X6	kg	₹ 75.06	0.000	₹ 0.00	0.000	0.00	0.00
16	Supply of Galvanized Barbed Wire	kg	₹ 73.59	0.000	₹ 0.00	0.000	0.00	0.00

C DG: Shed									
Sl. No.	Name of work	Unit	Rate	Qty	Amount	Qty	Amount	Deviation in Amount	
1	Earth work in excavation over areas 1 excavating 10 cum in depth 1.5 m in width as well as 40 sqm in plan) including disposal of excavated earth, haul upto 50 m and 100 upto 1.5 m, disposal earth to be filled and neatly dressed All kinds of soil	cum	314.9	0.00	0.00	0.00	0.00	0.00	
2	Providing designation 100 R one brick top online, prices filled with local sand including cost of watering, taxes, monthly all complete as per building specification and direction of P.W. has including carriage cost of bricks & sand	cum	283.3	0.00	0.00	0.00	0.00	0.00	
3	Providing and laying in position cement concrete of specified grade including the cost of curing and shuttering work (approx 1.48 (1 Cement, 4 coarse sand, 1 graded stone aggregate 40 mm)	cum	2975.2	0.00	0.00	0.00	0.00	0.00	
4	Providing and laying in position specified grade of reinforced concrete including the cost of curing, watering, feeding, and reinforcement all work plus plinth level 1:1.5:11 cement, 1:3 coarse sand & graded stone aggregate 20 mm (normal size)	cum	4688.3	0.00	0.00	0.00	0.00	0.00	
5a	Reinforcement for R.C.C. work including supplying, cutting, bending, placing in position and binding all complete Thermo-Mechanically Treated bars TMTC-500-8mm dia	kg	94.3	0.00	0.00	0.00	0.00	0.00	
b	Thermo-Mechanically Treated bars TMTC-500-10mm dia	kg	92.6	0.00	0.00	0.00	0.00	0.00	
c	Thermo-Mechanically Treated bars TMTC-500-12mm dia	kg	90.8	0.00	0.00	0.00	0.00	0.00	
6a	Centering and shuttering including stitching, proping, use and removal of form for flyash bricks, footings, beams of different size for main	sqm	211.6	0.00	0.00	0.00	0.00	0.00	
b	Columns, Pillars, Piers, Abutments, Piers and Spills	sqm	494.4	0.00	0.00	0.00	0.00	0.00	
7	Cement plaster in course using 1:2 mix, cement plaster of 1:1 cement to coarse sand	sqm	141.5	0.00	0.00	0.00	0.00	0.00	
8	Applying one coat of cement plaster of approved brand and reinforcement in wall surface	sqm	38.6	0.00	0.00	0.00	0.00	0.00	
9	Finishing walls with water proofing, cement grout or approved brand and reinforcement and of required shade to give an area about 100 sqm (three of main course)	sqm	81.2	0.00	0.00	0.00	0.00	0.00	
10	Shed work in brick up to 100 mm (including cutting, bending, placing in position and applying in position) of approved brand primer, washed and baked including special dressed wall bricks, complete like finished, washed, baked	kg	123.9	0.00	0.00	0.00	0.00	0.00	
11	Providing, transporting G.S. sheet roofing fixed with G.I. or hooks, bolts and nuts 8 mm diameter with brackets and G.I. lapses washers with G.I. lapers washers fixed with washers and including a coat of approved steel primer and two coats of approved paint on over toping of sheets complete (up to 100 mm) including the cost of purchase, rollers and manual 100 mm thick with 200 mm wide, containing not less than 275 gms/lb	sqm	123.9	0.00	0.00	0.00	0.00	0.00	
D Horticulture and Landscaping									
Sl. No.	DESCRIPTION	UNIT	RATE	QTY	AMOUNT	QTY	Amount	Deviation in Amount	
1	Tree dressing the ground	100sqm	195.8	0.00	0.00	0	0.00	0.00	
2	Supplying and erecting of one drop measure than approved measure including carriage charges included in stacks will be reduced by 1% for payment received through order of U.S. Department of Agriculture	cum	208.1	0.00	0.00	0	0.00	0.00	
3	Spreading of sludge, drop measure of one drop earth to required thickness (1' one of sludge, drop measure of one drop earth to required thickness)	cum	28.1	0.00	0.00	0	0.00	0.00	
4	Crossing with Double grass including watering, and maintenance of the lawn for 30 days or more in the grass to be laid down from time to time and in the morning including watering and earth if needed. In some 15 cm apart in other direction	100sqm	300.3	0.00	0.00	0	0.00	0.00	
5	Edging with bricks laid 100 mm wide including excavation, setting, consolidating, with hand	m	41.4	0.00	0.00	0	0.00	0.00	
6	Planting of trees in 1.0 m in the block, 1 m deep dug in the ground, leaving the soil with decayed farm yard waste material, placing the saplings, backfilling the trench, watering, living the tree guard	NOS	340.55	0.00	0.00	0	0.00	0.00	
E New Items (Added in amendment-1)									
1/2 28	Supplying and Filling in plinth with local sand and under floors including, watering, ramming consolidating and dressing complete	Cum	287.3	208.56	59919.29	203.24	58390.85	-1,528.44	

2/10.6 1+10.7	Supplying and fixing rolling shutters of approved make made of required size of M.S. Jaths interlocked together through their inline length and jointed together at the end by end locks mounted on specially designed pipe shaft with brackets, side guides and arrangements for inside and outside locking with push and pull operation complete including the cost of providing and fixing necessary 27.5 cm long wire springs manufactured from high tensile steel wire of adequate strength conforming to IS: 4454 - part 1 and M.S. top cover of required thickness for rolling shutters, 80x1.25mm M.S. Laths with 1.25mm thick top cover. Providing and fixing ball bearing for rolling shutters	Sqm	3097.7	7.2	22303.44	7.20	22303.44	0.00
3/5.18.1	Providing, precast cement concrete Jali 1:2:4 (1 cement:2 coarse sand:4 stone aggregate 6mm nominal size) reinforced with 1.6 mm dia mild steel wire including roughening, cleaning, fixing and finishing in cement mortar 1:3 (1 cement:3 fine sand) etc complete excluding plastering of the Jambis, sills and soffits	Sqm	1062.7	105	111583.30	92.03	97800.28	-13,783.22
4/9.14.7a)	Providing and fixing factory made uPVC white colour fixed glazed windows/ ventilators comprising of uPVC multi-chambered frame and mullion (where ever required) extruded profiles duly reinforced with 1.60 ± 0.2 mm thick galvanized mild steel section made from roll forming process of required length (shape & size according to uPVC profile). uPVC extruded latching beads of appropriate dimension, EPDM gasket, G.I fasteners 100 x 8 mm size for fixing frame to finished wall, plastic packers, plastic caps and necessary stainless steel screws etc. Profile of frame shall be mitred cut and fusion welded at all corners, mullion (if required) shall be also fusion welded including drilling of holes for fixing hardware's and drainage of water etc. After fixing frame the gap between frame and adjacent finished wall shall be filled with weather proof silicon sealant over backer rod of required size and of approved quality, all complete as per approved drawing & direction of Engineer-in-Charge. (Single / double glass panes and silicon sealant shall be paid separately). Note: For uPVC frame, sash and mullion extruded profiles minus 5% tolerance in dimension i.e. in depth & width of profile shall be acceptable. Fixed window / ventilator made of (small series) frame 47 x 50 mm & mullion 47 x 68 mm both having wall thickness of 1.9 ± 0.2 mm and single glazing bend of appropriate dimension. (Area upto 0.75 sqm.)	Sqm	6890.7	6.48	43355.74	6.48	43355.74	0.00
5/10.2	Structural steel work riveted or bolted in built up sections, trusses and framed work, including cutting, housing, fixing in position and applying a priming coat of approved steel primer all complete	Kg	95.4	492.66	46999.76	3865.68	368785.87	3,21,786.11
6/11.54	New Items (Added in amendment-II) Providing and fixing removable raised/false access flooring with system and its components of approved make for different plenum height with possible height adjustment upto 50 mm, comprising of modular load bearing floor panels supported on G.I. rectangular stinger frame work and G.I. Pedestal etc. all complete, as per the architectural drawings, as specified and as directed by Engineer-in-charge consisting of450 mm Finished Floor Height (FFH).	Sqm	5169.7	9	0.00	336.78	1741051.57	17,41,051.57
								0.00

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Sl.No.	DESCRIPTION	UNIT	RATE	QTY	AMOUNT	QTY	Amount	Deviation in Amount
1	Wiring for light point/ fan point/ exhaust fan point / call bell point, with 1.5 Sq mm FR PVC insulated copper conductor cable in surface/ recessed medium class PVC conduit with modular switch, modular phase suitable, size G.I. box, etc as required. Group C	Point	724.00	360	260640.00	360	260640.00	0.00
1.1	One light point controlled by 1 no. 10 A modular switch	Point	944.00	100	94400.00	100	94400.00	0.00
1.2	Two light point controlled by 1 no. 10 A modular switch	Point	1259.00	60	75540.00	60	75540.00	0.00
1.3	Three light point controlled by 1 no. 10 A modular switch	Point	161.00	3550	410550.00	2550	410550.00	0.00
2	Wiring for light plug, cassette DDU & circuit with 2x2.5 sq mm FR PVC insulated copper conductor single core cable in surface/ recessed medium class PVC conduit along with 1 No.2.5 sq mm FR PVC insulated copper conductor single core cable for loop earthing as required	Meter	200.00	1650	330000.00	1650	330000.00	0.00
3	Wiring for power plug with 2x4 sq mm FR PVC insulated copper conductor single core cable in surface/ recessed medium class PVC conduit along with 1 No.4 sq mm FR PVC insulated copper conductor single core cable for loop earthing as required	Meter	593.00	180	106740.00	180	106740.00	0.00
4	Wiring for circuit with 4x10 sq mm + 1X10 sq mm earth wire FR PVC insulated copper conductor single core cable in surface/ recessed medium class PVC conduit as required. (For power DB & DDU)	Meter	879.00	30	26370.00	30	26370.00	0.00
5	Wiring for submain with 4x6 sq mm + 1X6 sq mm earth wire FR PVC insulated copper conductor single core cable in surface/ recessed medium class PVC conduit as required. (For UPS Room)	Meter	410.00	220	90200.00	220	90200.00	0.00
6	Wiring for submain with 2x6 sq mm + 1X6 sq mm earth wire FR PVC insulated copper conductor single core cable in surface/ recessed medium class PVC conduit as required. (For Light DB)	Meter	371.00	180	48780.00	180	48780.00	0.00
7	Wiring for submain with 2x6 sq mm + 1X6 sq mm earth wire FR PVC insulated copper conductor single core cable in surface/ recessed medium class PVC conduit as required. (For UPS DB)	Meter	68.00	250	17000.00	250	17000.00	0.00
8	Supplying & fixing of following size medium class PVC conduits along with accessories in surface/ recess including cutting of wall and making good the same in case of recessed conduit as required.	Meter	79.00	250	19750.00	250	19750.00	0.00
	(a) 20 mm dia.							
	(b) 25 mm dia.							

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9	Supplying and fixing metal PVC box of following sizes (nominal size) on surface or in recess with suitable size of phenolic laminated sheet over in the front including painting etc. as required.	Each	93.00	10						930.00	10	930.00	0.00
	(a) 75mmX75mmX50mm deep	Each	193.00	10						1930.00	10	1930.00	0.00
10	Supplying and fixing following size / modules, GI box along with modular base & cover plate for modular switches/ socket/TV / Telephone outlet in surface/ recess etc. as required.	Each	180.00	61						10980.00	61	10980.00	0.00
11	(b) 200mmX150mmX60mm deep	Point	362.00	435						157470.00	435	157470.00	0.00
12	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess including providing and fixing 3 pin 5A & 15/16 amps modular socket outlet & 6A modular type switch connection etc. as required.	Point	413.00	182						75166.00	182	75166.00	0.00
13	Supplying and fixing TPN sheet steel enclosure on surface or in recess along with 32 amp 415 volts 'C' series, TPN, MCB, complete with connections testing and commissioning etc. as required (for ODU).	Each	1392.00	5						6960.00	5	6960.00	0.00
14	Supplying and fixing TPN sheet steel enclosure on surface or in recess along with 63 amp 415 volts 'C' series, TPN, MCB, complete with connections testing and commissioning etc. as required (For ODU, & UPS Room).	Each	1919.00	1						1919.00	1	1919.00	0.00
15	Supplying and fixing modular type 50 amp, 5 pin socket outlet on the existing modular plate & box including making connection but excluding modular plate etc. as required (For Bracket & exhaust fan only).	Each	132.00	39						4758.00	39	4758.00	0.00
16	Supplying, fixing, fixing of dropping call bell triangle for DC/AC single phase 230 volts complete etc. as required.	Each	138.00	26						3588.00	26	3588.00	0.00
17	Supplying and drawing co-axial TV cable RG-6 grade 0.7 mm solid copper conductor PE insulated shielded with fine braided copper braid and protected with PVC sheath in the existing surface/ recessed PVC conduit as required.	meter	29	250						7250.00	250	7250.00	0.00
18	Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required TV antenna socket outlet	Each	102	8						816.00	8	816.00	0.00
19	Supplying and fixing modular blanking plate on the existing modular plate & metal box excluding modular plate, etc. as required.	Each	26.00	30						780.00	30	780.00	0.00
20	MAIN PANEL & D.B.s												0.00
	Supplying and fixing 4 way (4+12) double door horizontal type Three pole and Neutral sheet steel M.C.B. Distribution board, 415 Volts on surface/ recess, complete with lined copper busbar, neutral bus bar, earth bar, din bar, interconnection, powder painted including earthing etc. as required (But without MCB/ RCCB / Isolator).	Each	2388.00	44						105072.00	44	105072.00	0.00
21	Supplying and fixing 6 way (4+18) double door horizontal type Three pole and Neutral sheet steel M.C.B. D.B., 415 Volts in surface/ recess, complete with lined copper busbar, neutral bus bar, earth bar, din bar, detachable gland plate, interconnection, phosphatized and powder painted including earthing etc. as required (But without MCB/RCCB/ Isolator).	Each	2905.00	13						37765.00	13	37765.00	0.00
22	Supplying and fixing 3+12 way double door horizontal type single pole and Neutral sheet steel M.C.B. Distribution board, 240 Volts on surface/ recess, complete with lined copper busbar, neutral bus bar, earth bar, din bar, interconnection, powder painted including earthing etc. as required (But without MCB/ RCCB / Isolator).	Each	1315.00	4						5260.00	4	5260.00	0.00

23	Supplying and fixing cable end box (Loose wire box - IP 43) suitable for following: sheet steel M.C.B. Distribution board, on surface access, complete with testing commissioning etc as required	Each	989.00	7	6923.00	0	0.00
	(i) For 4 way Double door MCB TPN DB	Each	1034.00	5	5170.00	5	0.00
	(ii) For 6 way Double door MCB TPN DB	Each	804.00	4	3216.00	4	0.00
	(iii) For 12 way Double door MCB SPN DB	Each	1034.00	4	4136.00	4	0.00
24	Supplying and fixing Cable end box (Loose wire box, IP43) suitable for following: single pole and neutral, sheet steel, MCB distribution board, 240/415 V, on surface access complete with testing and commissioning etc as required. For 6 way, Double door TPN MCB DB	Each	861.00	1	861.00	1	0.00
25	Supplying and fixing Cable end box (Loose wire box, IP43) suitable for following: single pole and neutral, sheet steel, MCB distribution board, 240/415 V, on surface access complete with testing and commissioning etc as required. For Vertical, Double door TPN MCB DB	Each	192.00	175	33600.00	175	0.00
26	Providing and fixing, following rating and breaking capacity MCCB in existing cubicle panel board including drilling holes in cubicle panel, making connections etc as required 125 Amp, 16 kA	Each	1635.00	4	6540.00	4	0.00
27	Supplying and fixing of following rating 'C' series MCB suitable for inductive and other loads of following poles, in the existing MCB DB complete with connections, testing and commissioning etc as required	Each	1487.00	5	7435.00	5	0.00
27.1	6 Amp, 10-32 Amp, SP MCB 240 Volt	Each	1108.00	6	6648.00	6	0.00
27.2	63 Amp TPN MCB 415 Volt	Each	511.00	4	2044.00	4	0.00
27.3	40 Amp TPN MCB 415 Volt	Each	1382.00	30	41460.00	30	0.00
27.4	32 Amp TPN MCB 415 Volt	Each					
27.5	32 Amp SPN MCB 240 Volt	Each					
	MAIN PANEL						
28	Supplying and fixing of wall/floor mounted cubicle panel board fabricated with 16 gauge iron sheet suitable for panel mounted switch disconnector, including busbar chamber, insulator, air-bolt, painting etc as required. (But without busbar copper strip) Sft Quantity for all Main and Sub Main panels	Sft					
29	Supplying and fixing of following rating electrical items in the existing cubicle panel board including drilling holes in cubicle panel making connections etc as required						
	Panel (for each floor)						
i	250 Amp, 35 kA, FP 415 Volt MCCB	Each	14598.00	1	14598.00	1	0.00
ii	250 Amp, 4 pole changeover switch	Each	11626.00	1	11626.00	1	0.00
iii	125 Amp 16kA, FP 415 Volt MCCB	Each	4008.00	2	8008.00	2	0.00
iv	125 Amp, 4 pole changeover switch	Each	7252.00	1	7252.00	1	0.00
v	40 Amp TPN MCB 415 Volt	Each	1487.00	6	8922.00	6	0.00
vi	63 Amp TPN MCB 415 Volt	Each	1635.00	2	3270.00	2	0.00
vii	32 Amp TPN MCB 415 Volt	Each	1108.00	6	6648.00	6	0.00
viii	Copper strip of all sizes	Each	759.02	25	18975.50	25	0.00
ix	Digital ammeter three phase	Each	1643.00	2	3286.00	2	0.00
x	Fluo lamp for indicator	Each	1337.00	2	2674.00	2	0.00
xi	Providing and fixing MV danger notice plate of 200mmx250mm made of mild steel at least 2mm thick, and vitreous enamelled white on both sides, and with inscription in single red colour as front side etc as required	Each	117.85	6	707.10	6	0.00
		Each	178.00	2	356.00	2	0.00

EARTHING									
31	Earthing with GI earth plate 600mm X600 mm X6mm thick including accessories and providing masonry enclosure with cover plate having locking arrangement and watering pipe 2.7 metre long etc. with salt and charcoal coke and salt as required	Set	6276.00	32		138072.00	22		138072.00
32	Earthing with GI earth pipe 4.5 m long 40mm dia including accessories and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc. with Charcoalcoke and salt as required	Set	5123.00	6		30750.00	6		30750.00
33	Providing and laying 25mm x 5mm GI strip as 40 mm Dia GI pipe from earth electrode including connection with G.I. nut, bolt, washer, excavation and refilling etc. as required	Meter	487.00	94		45778.00	94		45778.00
34	Providing and fixing 6 SWG dia GI wire on surface or in recess for loop earthing etc. as required	Meter	38.00	800		30400.00	800		30400.00
SUPPLY & INSTALLATION OF FIXTURES									
35	Supply and installation of regular / standard model A.C. ceiling fan of 1200 mm sweep and regulator including wiring the down rod of standard length (upto 30cm) with 1.5 sq mm FR PVC insulated copper conductor, single core cable etc. as required	Each	1618.00	45		72810.00	45		72810.00
36	Supplying and fixing stepped type electronic fan regulator on the existing switch box including connections excluding modular plate etc. as required	Each	359.00	45		16155.00	45		16155.00
37	Supply and installation of 300mm sweep 230 A.C. exhaust fan in the existing opening including making good the damage connection testing, commissioning etc. as required	Each	1483.00	7		10381.00	7		10381.00
38	Supply and installation of 400 mm, 230 V AC wall / cabin fan including fixing the bracket, making connections, testing, commissioning etc. as required	Each	3427.00	32		77664.00	32		77664.00
39	Supplying and fixing single wall mounted 20x25watt LED type luminaire fitting complete with electronic driver and LED tube etc. directly on ceiling / wall including connections with 1.5 sq mm FR PVC insulated copper conductor single core cable and earthing the body etc. as required	Each	684.00	49		33516.00	49		33516.00
40	Supplying and fixing 40 watt LED surface mounting luminaire provides soft light and glare free symmetrical illumination fitting and all accessories etc. directly on ceiling including connections with 1.5 sq mm FR PVC insulated copper conductor single core cable and earthing etc. as required	Each	4949.00	56		277144.00	56		277144.00
41	Supplying and fixing bulkhead fitting die cast aluminium alloy body with pneumatic glass cover suitable for the GLSCFL lamp directly on wall / ceiling including connections with 1.5 sq mm FR PVC insulated copper conductor single core cable etc. as required	Each	445.00	6		2670.00	6		2670.00
42	Supplying and fixing indoor recess mounting 36 watt LED flat panel luminaire suitable for Armstrong / grid ceiling and complete with electronic driver etc. directly on false ceiling including connections with 1.5 sq mm FR PVC insulated copper conductor single core cable and earthing the body etc. as required	Each	4023.00	65		261495.00	65		261495.00
43	Supplying and fixing recess mounting LED 12 watt vertical downlighter complete with all accessories and replaceable electronic driver etc. directly on false ceiling including connections with 1.5 sq mm FR PVC insulated copper conductor single core cable and earthing the body etc. as required	Each	971.00	50		48550.00	50		48550.00
44	Supplying and fixing recess mounted 67 watt LED vertical downlighter complete with all accessories and replaceable electronic driver, directly on false ceiling including connection with 1.5 sq mm FR PVC insulated copper conductor cable and earthing the body etc. as required	Each	671.00	32		21472.00	32		21472.00

45	Supplying and fixing surface mounted 15/18 watt LED downlighter with integrated electronic driver & LED directly on ceiling including connection with 1.5 sq mm FR PVC insulated copper conductor cable and cabling the body etc as required.	Each	1380.00	51	70380.00	51	70380.00	0.00
46	Supplying and fixing 1 pin 5 Amp ceiling rose on the existing junction box PVC box including connection etc as required.	Each	42.00	55	2310.00	55	2310.00	0.00
47	Supplying and fixing bottom / angle holder including connections with 1.5 sq mm FR PVC insulated, copper conductor single core cable etc as required.	Each	46.00	14	644.00	14	644.00	0.00
48	Supplying and fixing following types lamp in existing electrical fittings fixture etc as required							0.00
	(i) 15 watt LED lamp	Each	302.00	14	4228.00	14	4228.00	0.00
	SUPPLY & LAYING OF UNDER GROUND CABLE							0.00
49	Supply of PVC insulated PVC sheathed aluminium conductor armoured under ground cable of graded 1.1 KV for working voltage upto 1100 volts conforming to ISI 1594 (Part-1) of 1964 with upto date amendment as detailed below.							0.00
	(a) 3.5 Core 185 sq mm	Meter	807.83	100	80783.00	100	80783.00	0.00
	(b) 3.5 Core 75 sq mm	Meter	362.44	25	9061.00	25	9061.00	0.00
	(c) 4 Core 150 sq mm	Meter	136.14	40	5445.60	40	5445.60	0.00
	(d) 2 Core 100 sq mm	Meter	91.96	360	33105.60	360	33105.60	0.00
50	Laying of one number PVC insulated and PVC sheathed XLE power cable of 1.1 KV grade of following size direct in ground including excavation, sand cushioning, protective covering and refilling the trench etc as required.					0		0.00
	(a) Up to 35 sq. mm.	Meter	144.00	200	28800.00	200	28800.00	0.00
	(b) Above 35 sq. mm. and upto 400 sq. mm.	Meter	178.00	50	8900.00	50	8900.00	0.00
51	Laying of one number additional PVC insulated and PVC sheathed XLE power cable of 1.1 KV grade of following size direct in ground in the main trench in one tier horizontal formation including excavation, sand cushioning, protective covering and refilling the trench etc as required.					0		0.00
	(a) Up to 35 sq. mm.	Meter	168.00	200	21600.00	200	21600.00	0.00
	(b) Above 35 sq. mm. and upto 400 sq. mm.	Meter	143.00	80	11440.00	80	11440.00	0.00
52	Laying and fixing of one number PVC insulated and PVC sheathed aluminium conductor cable of 1.1 KV grade of following size on surface etc as required.					0		0.00
	Above 35 sq. mm. and upto 95 sq. mm (Clamped with	Meter	68.00	25	1700.00	25	1700.00	0.00
53	25 x 3 mm MS flat clamp)	Cum	155.00	9	1395.00	9	1395.00	0.00
54	Filling available excavated earth (excluding rock) in trenches, sides of foundations etc. in layers not exceeding 20 cm in depth, ramming each deposited layer by running and watering, load upto 50 metres.	Cum	99.00	5	495.00	957	94243.00	94,248.00
55	Providing and laying following size NP2 (Non pressure) RCC pipe complete with RCC collar etc as required					0	0.00	0.00
	(a) Dia. 300 mm.	Meter	536.00	8	4288.00	8	4288.00	0.00
56	Laying of one number PVC insulated and PVC sheathed aluminium conductor cable of 1.1 KV grade of following size in the existing RCC SURF/METAL pipe etc as required					0	0.00	0.00
	(a) Up to 35 Sq. mm.	M	31.00	26	806.00	26	806.00	0.00
	(b) Above 35 sq. mm. and upto 185 sq. mm.	M	64.00	5	320.00	5	320.00	0.00

[illegible]

53	Wiring for computer circuit with 2x2.5 sq mm + 1x2.5 sq mm earth wire FR PVC insulated copper conductor single core cable (surface) accessed medium class PVC conduit as required. (Each circuit containing 2 NO conductor)	Meter	161.00	1400	275400.00	1400	225400.00	0.00
54	Supplying and fixing 120 RJ 45 Cat. 6E Lan 10 with Gang box & dual port face plate complete set of D-Link make including making connection soldering etc as required	Each	392.00	105	93660.00	105	93660.00	0.00
55	Supplying and fixing CAT6 LUTIP 34 Port Patch Panel loaded with 24x Toolless RJ45 complete etc as required. (Make: D-Link, Omnicore, Panduit-PANNET)	Pc	4235.00	6	25410.00	6	25410.00	0.00
56	Supplying CAT6 LUTIP RJ45 Patch Cord 1 Mtr Grey in colour (Make: D-Link, Omnicore, Panduit-PANNET)	Pc	327.00	105	34335.00	105	34335.00	0.00
57	Supplying CAT6 LUTIP RJ45 Patch Cord 2 Mtr PVC Grey in colour (Make: D-Link, Omnicore, Panduit-PANNET)	Pc	515.00	105	54075.00	105	54075.00	0.00
58	Supplying and fixing 9U Networking Rack, CRCA steel, CNC programmed punched banded, welded and powder coated with high quality standard including welded frame integrated with side walls and vented top cover with fan mounting provision rear side of the enclosure having wall mounting provision front Glass Door of D-Link make	Pc	6802.00	1	6802.00	1	6802.00	0.00
59	Supplying and fixing 6U Networking Rack, CRCA steel, CNC programmed punched banded, welded and powder coated with high quality standard including welded frame integrated with side walls and vented top cover with fan mounting provision rear side of the enclosure having wall mounting provision front Glass Door of D-Link make	Pc	5762.00	5	28810.00	5	28810.00	0.00
60	Supply installation testing & commissioning of Unmanaged 24 port Gigabit desktop Switch without fiber Module along with AC power supply including necessary connection of CAT 6 UTP cable etc as required (Make: D-Link/Netgear)	Pc	17529.00	5	87645.00	5	87645.00	0.00
61	Supplying installation testing & commissioning of D-Link DGS 1100 series smart Managed 24 port Gigabit Switch including 17 PoE port without fiber Module along with AC power supply including necessary connection of CAT 6 UTP cable etc as required. (Make: D-Link/Netgear)	Pc	48900.00	1	48900.00	1	48900.00	0.00
TELEPHONE/INTERCOM. SYSTEM								
62	Supplying and fixing following size/modules, GI box along with modular base & cover plate for modular fitting in recess etc as required.							0.00
	1x75mmX75mm	Each	182.00	60	10920.00	60	10920.00	0.00
63	Supplying and fixing modular type 2 pin telephone socket on the existing modular plate & box including making connection, excluding modular plate etc as required	Each	108.00	60	6480.00	60	6480.00	0.00
64	Supplying and drawing 2 pair 0.5 sq mm FR PVC insulated copper conductor telephone cable through existing PVC conduit including connection, testing etc as required	Meter	18.00	1200	21600.00	1200	21600.00	0.00
65	Supply, installation, testing and commissioning of DPBA-X with at least 4 PM, T + 4 Digital input lines and 64 analog extension output lines including multiple level voice guidance complete etc as required (Prologix/Siemens) Make or equivalent	Set	144167.00	1	144167.00	1	144167.00	0.00
66	Supply, installation, testing and commissioning of console key phone instrument (Siemens/Panasonic)	Each	10485.00	1	10485.00	1	10485.00	0.00
67	Supply, installation, testing and commissioning of telephone of Bocol in as approved by architect	Each	734.00	59	43306.00	59	43306.00	0.00
68	Supplying and installation of 20 pair 0.5 sq mm ATC unarmoured PVC insulated copper conductor telephone cable through existing PVC conduit including connection, testing etc as required	Meter	125.00	120	15000.00	120	15000.00	0.00

69	Supplying, installing, testing and commissioning of 30 Pair distribution box all complete as per specification and direction of DA	Each	1461.00	6	8766.00	6	8766.00	0.00
70	Supplying and installation of 10 pair 0.5 sq mm ATC unarmoured PVC insulated copper conductor telephone cable in surface including connection, testing etc. as required	Meier	62.00	50	3100.00	50	3100.00	0.00
71	Supply Installation Testing & Commissioning of MDF 100 PAIR, The Main Distribution Frame cabinets are designed easy installation, the metal bracing with 100 point Link frame can accommodate connection or disconnection modules. Back mount frames consist of U Shape steel base steel which provides high degree of stability. Available in different sizes. Durable and has suitable indoor wire distribution. Fully lockable doors protect unauthorized access. Includes mounting frame and label holder. Available in rack and wall mount	Each	13071.00	1	13071.00	1	13071.00	0.00
			Total @ 12% GST		5241947.95		4743709.91	-5004238.04
			Total without GST		45981541.39		41593783.35	-4387758.04
			Total @ 18% GST		54238218.83		49000664.35	-5177554.49
		In Fig.	19.98 %		LESS	In Fig.	LESS	
		Total (A to F) with 19.98% below	Part (i)		43417426.71		39274347.61	
II	Seigniorage Fee							
1	Course Sand	cum	17.50	780.930	13728.75	780.930	13728.75	0.00
2	Stone Chips	cum	59.356	955.720	56898.75	955.002	57095.17	195.42
3	Mosium	cum	48.00	0	0.00	0	0.00	0.00
			Part (ii)		70,628.50	Total	70,628.92	195.42

Non SOR Items (Quoted rates in tender)

S.N.	DESCRIPTION OF ITEM	UNIT	RATE (Inclusive GST @18%)	QTY	AMOUNT	QTY	AMOUNT	Deviation in Amount
1	Air Conditioner							
1	Supply, installation, testing and commissioning of precision air conditioning system including piping, electrical cabling, controller etc. Complete work as required for system, 08 ton capacity for control room/server room as per technical requirement of SLDC.	Each	1,75,000.00	3	5,25,000.00	3	5,25,000.00	0.00
2	Split type inverter air conditioner for offices of standard brand makes Capacity 2 Ton, 5 star rating	Each	55,000.00	6	3,30,000.00	6	3,30,000.00	0.00
3	Split type inverter air conditioner for offices of standard brand makes Capacity 1 Ton, 5 star rating	Each	45,000.00	3	1,35,000.00	3	1,35,000.00	0.00
4	FIRE EXTINGUISHERS, FIRE ALARM & DETECTION SYSTEM							
1	Supply, installation, testing and commissioning of Analogue Addressable Fire Alarm Control Panel with LCD display having capacity of 126 devices per loop, 10 loops	Each	15,000.00	1	15,000.00	1	15,000.00	0.00
2	SITC of Analogue Addressable smoke detector complete with base	Each	1,000.00	60	60,000.00	60	60,000.00	0.00
3	SITC of Fault Isolator Modules complete with junction box for mounting on surface 1 after ever 15 detector	Each	2,000.00	20	40,000.00	20	40,000.00	0.00
4	SITC of Analogue Addressable manual call point complete with mounting base.	Each	1,500.00	6	9,000.00	6	9,000.00	0.00

5	SITC of wall mounted horn cum strobe lights with 11 led, complete with junction box for mounting on surface with control modules.	Each.	1,500.00	10	₹	15,000.00	10	15000.00	0.00
6	Supply and laying of 2x1.5 sq. mm ISI marked copper armored conductor cable with gland socket and other wiring accessories on the existing surface/tray/shaft etc as required.	meter	500.00	2000	₹	10,00,000.00	2000	1000000.00	0.00
7	Providing and fixing Carbon-di-oxide fire extinguishers consisting of Seamless M.S cylindrical body, squeeze lever discharge valve fitted with internal discharge tube, 30cms long high pressure discharge hose, discharge nozzle ISI Marked conforming to IS : 15683 including fixing with dash fasteners complete. Make - OMEGA, NEWTECH/SAFEGAURDIEQV Capacity 4.5Kg.	no.	18,000.00	8	₹	1,44,000.00	8	144000.00	0.00
8	Providing and fixing stored pressure multipurpose fire extinguisher consisting of welded M.S cylindrical body/squeeze lever discharge valve fitted with internal discharge tube, 30cms long high pressure discharge hose, discharge nozzle ISI Marked conforming to IS : 15683 including fixing with dash fasteners complete. Make - OMEGA, NEWTECH/SAFEGAURDIEQV Capacity 6.0Kg.	no.	5,000.00	6	₹	30,000.00	6	30000.00	0.00
9	Providing and fixing of self illuminated / auto glow "EXIT" signs printed on photoluminescent sheet containing self illuminated base chemical, of appropriate size not less than 400 x 150 mm, suspended from ceiling or fixed to the walls with accessories as required and as directed at site.	nos.	5,000.00	9	₹	45,000.00	9	45000.00	0.00
K	Furniture & Partition work.								
1	Office Table with Side Unit- Table Top Size-1,2200L x 1800D x 760H/mm & Side runner size- (400D x 760H). Side & Top 30-35 mm thick Straight line table with two wire manager. Mobile pedestal with 3 drawer/center lock,interchangeable side runner with 3 drawer with lock one open shelf one closed shutter with lock key board tray & CPU trolley. Phenol bond using in MDF Board The Backrest is a smart desk made for the power dressing system. A sleek Veneer table top coupled with a highly stature this desk means business. Sturdy board construction coupled with archly textured Veneer add to its overall style. The front has an added leatherette panel with liner stitching for added style. The desk is fitted with a fixed runner on the left for an alcove space for filing while having a mobile chest of drawer with 3 draws with matt finish colour- Red-Cherry (APPROVED MAKE DURIAN,SPACEWOOD,FEATHERLITE,GODREJ)	nos.	65,000.00	3	₹	1,95,000.00	3	195000.00	0.00

2	Supply and installation of table size made with table top of 25 MM MFC conforming to E 1 Grade for emission Norms and also to IS 12823-1990 With 2 mm Edge banding on all exposed sides by using Hot Melt Glue with all edges finished with buffing, top surface should be protected with Stretch wrap which should not leave any glue mark on removal all gable ends & modesty of versatile made of 18 MM MFC conforming to E 1 Grade for emission Norms and also to IS 12823-1990 With 2 mm Edge banding on all exposed sides by using Hot Melt Glue with all edges finished with buffing, and the table is knock down construction with all KD fittings of hettich joinery and fitted with levelers for height adjustment for min of 40 mm. Versaline Main Table MAIN TABLE - 1500X900X750 mm TABLE TOP - Made out of 25mm thick Pre laminate Particle board with 2mm edge banding GABLE END - Made out of 25mm thick Both side Laminate (BSL) MODERTY PANEL - Made out of 18mm thick BSL - (600mm H) SIDE TABLE - 1200X450X750 mm MOBILE PEDESTAL - 2D+1F SIZE : 400W X 467D X 705HT mm Pedestal unit made of 18mm PLB with two drawer unit and one filing unit. The drawer units are made mobile with the use of castors. The drawer units are provided with suitable locks and brush steel handles. Supply and installation of Drawer Unit Of Height 640 MM height with a width of 400 MM and depth of 430 mm made of PLB 18 MM thick of MFC conforming to IS 12823 - 1990 with 2 drawers and one filing Box all the draw and filing box to be built using 1 mm thick metal Box on both sides, and should take min load in the drawer for 20 Kgs and with a single lock to operate all the 3 drawers with one stroke , Non Projection Aluminium handle and MP Lock of zinc Alloy .	nos.	20,000.00	10	₹	2,00,000.00	10	200000.00	0.00
3	Supply and installation of Main table size made with table top of 25 MM MFC conforming to E 1 Grade for emission Norms and also to IS 12823-1990 With 2 mm Edge banding on all exposed sides by using Hot Melt Glue with all edges finished with buffing, top surface should be protected with Stretch wrap which should not leave any glue mark on removal all gable ends & modesty of versatile made of 18 MM MFC conforming to E 1 Grade for emission Norms and also to IS 12823-1990 With 2 mm Edge banding on all exposed sides by using Hot Melt Glue with all edges finished with buffing, and the table is knock down construction with all KD fittings of hettich joinery and fitted with levelers for height adjustment for min of 40 mm MAIN TABLE - 1200X750X750 mm with 2 hanging drawers. Versaline Manufactured out of ISO 9001, ISO14001, OSHSAS 18001 and BIFMA Platinum Plant certified. Approved make featherfree/Geo	nos.	20,000.00	20	₹	4,00,000.00	20	400000.00	0.00
Chair					₹	-	0	0.00	0.00

4	Supply and Fixing "Chair Back (H x W) 780*510 Seat (W & D) 500*541 Seat (W Arm to Arm) 640 Seat Height from Floor 470 Overall Height 1150 Knee tilt Multilock Mechanism seat to back recline ratio of 3:7. The 4 position lock and maximum tilt angle of 17 degrees, Back rest " Return Prevention" function and its seat angle is 2-2 Deg and Bent angle is 82-106 Deg. Ergon Aluminum Multi point lock, Synchronized tilting Mechanism - Gaslift for height adjustability , 3 way Adjustable Arms, Adjustable lumbar support, with Nylon Base. Manufactured out of ISO 9001, ISO14001, OHSAS 18001 and BIFMA Platinum Plant certified, ERGON AL Approved make featherlite/Godrej/Duriam or Equivalent. As Per direction given by E/I.	nos.	5,000.00	3	₹	15,000.00	3	15000.00	0.00
5	Supply and Fixing high back chair with Fixed Arms of seat size 585X660X450H & overall Hgt of 1050 Fixed for 100 MM +/- lbs, the back of the chair is Fixed for 60 mm allowing user to define the lumbar support in accordance with the user requirement mounted on Mechanism with, the foam used is of 50+/-5 D moulded with hardness of 2.5 KGF@25% compression and covered with fabric upholstery combat with elegant stitching . The base is fitted with high performance castors made of Nylon and Heavy duty base which can take load up to 1100 Kgs. Click FM Back Chair with Simple point lock, Synchronized tilting Mechanism , Gaslift for height adjustability . Fixed arms and Nylon 5 Prong Base and Twin Wheel castors Manufactured out of ISO 9001, ISO14001, OHSAS 18001 and BIFMA Platinum Plant certified. Approved make featherlite/Godrej/Duriam or Equivalent. As Per direction given by E/I.	nos.	15,500.00	20	₹	3,10,000.00	20	310000.00	0.00
6	Supply and Fixing of Chair of size (H x W) 590*490 Seat (W & D) 500*480 Seat (W Arm to Arm) 460 Seat Height from Floor 460 "Overall Height 980"; Gaslifts are Tested stringently as per ANSI/ BIFMA X5.1-2011 General Purpose Office Chair Standards for swivelling. Seat and Back are made out of 12 mm hot pressed plywood in ergonomic shape, the product. Chair with Single point lock, Synchronized tilting Mechanism , Gaslift for height adjustability . Fixed Arms and Nylon 5 Prong Base and Twin Wheel castors, Telemate MB V2 Manufactured out of ISO 9001, ISO14001, OHSAS 18001 and BIFMA Platinum Plant certified. Approved make featherlite/Godrej/Duriam or Equivalent. As Per direction given by E/I.	nos.	22,000.00	22	₹	4,84,000.00	22	484000.00	0.00

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7	Supply and Fixing Visitor chair with Fixed Arms of seat size 585X600X450H & overall H of 950 mounted on 140 1inch round castorless tubular frame finished with Powder coating, the chair is made of 12 MM thick hot pressed plywood fitted with SS inserts to ensure Metal to metal contact the foam used is of 50+/- 5 D molded with hardness of 2.5 KGf@25% compression and covered with fabric for comfort with elegant stitching, the product Manufactured out of ISO 9001, ISO14001 and OHSAS 18001 certified Plant & product certified for BIFMA performance test, Chair with Powder Coated Legs and Fabric Cushioned. Manufactured out of ISO 9001, ISO14001, OHSAS 18001 and BIFMA Platinum Plant certified. Approved make featherline/Godrej/Durian or Equivalent. As Per direction given by E/L.	nos.	5,000.00	42	₹	2,10,000.00	42	210000.00	0.00
8	Supply and Fixing LINEAR WORKSTATION manufacture out of ISO 140001,180001,9001 and BIFMA platinum certified factory with 3 drawer mobile pedestal, key board tary and CPU trolley Manufacture, supply and Fixing of NEO 70 size 1050W X 600D X 1200HT of the thickness of the partition should be 70 mm measuring mm with height of 1200 mm +/- 10 mm made of CRCA metal skeleton made on CNC machine, made of standard frame in combination of 1.2 mm thick and 1.5 mm thick CRCA with 6 bend profile and assembled with Table top made of 25mm Pre laminated Board conforming to IS 12823-1990 With 2 mm Edge banding, and Magnetic Fabric tile configuration and should be covered with curved Aluminum profiles conforming to IS - 733. The system should have raceway on Below table top of 120 mm width with provision for mounting switches on the steel surface and also skirting at the bottom level of height 120 mm, both the skirting and raceway should have hook on system for ease of maintenance. Above table top the frame is covered with laminate tile of 6 mm thick PLB and one 8 mm toughened writing glass (white color) for use of the user, the back side will be PLB covered above with PLB the table top supported with brackets 2.00 mm thick CRCA steel brackets and the table is vertically supported The PLB Gable end supports are offered in both in 25 mm PLT (laminated in the same finish both sides). The connectors to the frames are made out of ABS plastic of a matching color to the frames conforming to ASM standards. The production facility is BIFMA Platinum, ISO 14001, 180001 and 10501 certified. Keeping in view the inputs to the system Neo70, the customer can benefit with GREEN points. Manufactured out of ISO 9001, ISO14001, OHSAS 18001 and BIFMA Platinum Plant certified. Approved	nos.	18,000.00	20	₹	3,60,000.00	20	360000.00	0.00
	Partition				₹	-	0	0.00	0.00

9	FULL HEIGHT PARTITION Manufacture, supply and Fixing as per the layout Neo 70mm, the thickness of the partition should be 70 mm measuring mm with height of 2400 mm +/- 10 mm made of CRCA metal skeleton made on CNC machine, made of standard frame in combination of 1.2 mm thick and 1.5 mm thick CRCA with 6 bend profile. The same is provided with special grouting at multiple places to ensure soundness of the partition. Toughed glass is provided at a per the layout above 1200 mm of Saint Gobain/AJS make. The top of the partition is covered with curved Aluminum profiles conforming to IS - 733. The partition should have at least three joineries to ensure soundness and metal/PI/B/White board can be provided as desired. The system should have raceway on with provision for mounting switches on the steel surface skirting at the bottom level of height 120 mm, both the skirting and should have hook on system for ease of maintenance. Fixing door shutter of 900mm made out of 12mm toughened glass of AIS/ Saint Gobain make with 4 side edge polishing. The shutter will be connected with Main frame and ground with suitable floor spring of Dorma with tested for 10,00,000 cycles. Door shutter should have H type handle of SS make of minimum 150mm height and 25mm dia. The door should have necessary lockable system. The production facility is BIFMA Platinum, ISO 14001, 18001 and 9001 certified. Keeping in view the inputs to the system, the customer can benefit with GREEN points. Manufactured out of ISO 9001, ISO14001, OHSAS 18001 and BIFMA Platinum Plant certified. Approved make featherline/Godrej/Durian or Equivalent. As Per direction given by E/L.	SQM	10,000.00	170	₹	17,00,000.00	395.631	3956310.00	22,56,310.00
10	HALF HEIGHT PARTITION Manufacture, supply and Fixing as per the layout Neo 70mm the thickness of the partition should be 70 mm measuring mm with height of 1200 mm +/- 10 mm made of CRCA metal skeleton made on CNC machine; made of standard frame in combination of 1.2 mm thick and 1.5 mm thick CRCA with 6 bend profile. The same is provided with special grouting at multiple places to ensure soundness of the partition. The top of the partition is covered with curved Aluminum profiles conforming to IS - 733. The partition should have at least two joineries to ensure soundness and metal/PI/B/White board can be provided as desired. The system should have raceway on with provision for mounting switches on the steel surface skirting at the bottom level of height 120 mm, the skirting and should have hook on system for ease of maintenance. The production facility is BIFMA Platinum, ISO 14001, 18001 and 9001 certified. Keeping in view the inputs to the system, the customer can benefit with GREEN points. Manufactured out of ISO 9001, ISO14001, OHSAS 18001 and BIFMA Platinum Plant certified. Approved make featherline/Godrej/Durian or Equivalent. As Per direction given by E/L.	SQM	6,000.00	75	₹	4,50,000.00	41.855	251130.00	-1,98,870.00
Storage					₹	-	0	0.00	0.00

11	Storage: 1500X750X750 Storage: The storage is made of 18mm PLB with 18mm thick top, equipped with central locking, shutters with auto closing hinges and brush steel handles Supply & Installation of Storage Unit made of 18 mm thick MFC. Conforming to IS12823-1990 with all exposed edges sealed with Edge Banding using hot Melt glue and the assembly should be made using High Quality hardware like nickel plated crank hinges from Ebco / hettich , misalix , pins , inserts and accessories shelves made of 18 MM thick PLB with a back panel of slide on design of minimum 9 mm thick , Non Projection Aluminium handle and MP Lock of zinc Alloy. Machling with NEO 70 Approved make featherlie/Godrej/Duram or Equivalent.	nos.	17,000.00	18	₹	3,06,000.00	18	306000.00	0.00
	Sofa				₹	-	0	0.00	0.00
12	Supply and fixing of Pearl 2 seater sofa Size: L 1200 mmx H 700mm x D 725 mm Base: Stainless steel frame. SEAT: Made of timber frame inside and the rubber string .35 density cushion at seat. Manufactured out of ISO 9001, ISO14001, OSHSAS 18001 and BIFMA Platinum Plant certified. Approved make featherlie/Godrej/Duram or Equivalent. As Per direction given by E/I.	nos.	18,000.00	3	₹	54,000.00	3	54000.00	0.00
13	Supply and fixing of Pearl 1 seater sofa Size: L 800 mmx H 700mm x D 725 mm Base: Stainless steel frame. SEAT: Made of timber frame inside and the rubber string .35 density cushion at seat. Manufactured out of ISO 9001, ISO14001, OSHSAS 18001 and BIFMA Platinum Plant certified. Approved make featherlie/Godrej/Duram or Equivalent. As Per direction given by E/I.	nos.	20,000.00	6	₹	1,20,000.00	6	120000.00	0.00
	Total cost (ITC GST @ 18%) for J, J & K			Part (iii)	₹	71,52,000.00		₹ 92,09,440.00	₹ 20,37,440.00
	Part (i)					₹ 4,34,17,426.71		₹ 3,92,74,347.61	
	Part (ii)					₹ 70,628.50		₹ 70,823.92	
	Part (iii)					₹ 71,52,000.00		₹ 92,09,440.00	
	work value					₹ 5,06,40,055.21		₹ 4,85,54,611.53	
	Total Amount in Rs. -							₹ 4,85,54,611.53	-20,85,443.68
	% Deviation								-4.12%

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Bihar State Power Transmission Company Limited (BSPTCL)

Technical Sanction, NIT and essentials

Name of the Work –

“Supply, Erection, Testing & Commissioning of 24-Core Armoured Underground Optical Fiber for Main SLDC, BRED A Bhawan, Patna & Back-up SLDC, Gaya along-with Associated Communication Equipment for ULDC PhaseIII SCADA/EMS Up-gradation Project”

