

43	Providing and fixing 1st quality cement plaster wall tile (thickness to 15/162) (thickness to be specified by the manufacturer) of approved make in all colours, shades, except regularly, white, green/black of any size as approved by Engineer-in-charge in drawing, (rows of steps and stairs over 12mm thick bed of cement mortar 1:1 (1 cement : 1 coarse sand) and pointing with grey cement mortar @ 2 kg per sqm including pointing in white cement, except with pigment of matching shade complete	sqm	795.00	127.53	1,01,286.60	127.25	101586.35	377.72	360387.4	256.19	108901.05	196.1812507
44	Providing and fixing Cement plaster floor tile (200 x 300mm) (thickness to be specified by the manufacturer) of 1st quality (thickness to 15/162) of approved make in colours such as white, ivory, grey, fawn, red, brown, etc. (on 20mm thick Cement Mortar 1:4 (1 cement : 4 coarse sand) including pointing the joints with white cement and matching pigment as specified	sqm	466.80	98.53	60,800.00	88.53	6982.484	310.6	74586.48	26.07	12784.076	22.67028126
45	Providing and fixing vitrified floor tile in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS : 15622 of approved make in all colours and shades, laid on 20mm thick Cement mortar 1:4 (1 cement : 4 coarse sand) including pointing the joints with white cement and matching pigment as specified	sqm	1,536.80	1,152.03	18,87,070.00	1,152.07	187950.376	1566.807	2235923.512	214.79	351892.9356	18.64438117
46	Providing and fixing Vitrified tiles in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.05 % and conforming to IS : 15622, of approved make, in all colours & shades, a riding, one of steps, over 12 mm thick bed of cement mortar 1:2 (1 cement : 3 coarse sand), including grouting the joints with white cement & matching pigment as complete	sqm	1,191.80	1,081.00	2,54,524.00	1,081.00	214526	70.33	83582.034	109.87	150903.066	61.0388888
47	3mm cement plaster of tile	sqm	141.50	1,596.56	1,93,568.24	1,366.56	192168.24	1764.28	246815.62	377.72	53447.38	27.69236606
48	2mm cement plaster of tile	sqm	219.30	455.31	95,569.57	455.31	95149.599	1264.55	265425.945	809.24	168859.476	177.7238517
49	1.5mm cement plaster of tile	sqm	125.60	1,644.81	2,06,185.54	1,644.81	206588.136	1223.6	279094.16	578.79	77668.014	37.1888648
50	Extra for providing and fixing water proofing material in 30mm cement plaster 1:4 (1 cement : 4 sand)	sqm	15.10	455.31	6,598.63	455.31	4598.633	1264.55	12773.995	809.24	8173.526	177.7238517
51	Providing and applying white cement based putty of average thickness 2 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth/leveling	sqm	105.40	3,011.37	3,17,398.40	3,011.37	317398.398	3000.75	316276.542	-10.64	-1121.456	-0.3532756
52	Wall painting with plastic emulsion paint of approved brand and manufacturer to give a washable	sqm	862.40	3,011.37	2,60,182.37	3,011.37	260182.368	3390.16	310382.824	578.79	50007.456	19.22015561
53	Painting with synthetic emulsion paint of approved brand and manufacturer to give an even shade	sqm	116.30	5.40	629.60	5.40	629.1	0	0	-5.40	-429.1	-100
54	Three or more coats on new work over an existing coat of washable shade with ordinary paint of approved brand and manufacturer	sqm	172.30	227.66	39,165.00	227.66	39164.95	938.421	324541.0475	370.76	94176.0975	312.2037249
55	Painting walls with standard exterior paint of approved brand	sqm										

46	Providing and supplying aluminium curtain walling and other aluminium sections as per the structural drawings and approved shop drawings. The aluminium quality as per grade 6063-T5 or T6 or T6-RT6 (RT6 including super duralumin powder coating of 60-80 microns conforming to AAMA 3600 of required colour and shade as approved by the Engineer-in-Charge. (The item includes cost of material such as clamps, screws, anodes etc) necessary for derivation of curtain wall aluminium frame work. Noting extra shall be paid on this account)	kg	570.40	3,736.48	1,384,732.992	3,736.48	0.00	0	0
47	Designing, fabricating, testing, provision, installing and fixing in position semi rigid unitised system of structural glazing (work specification) for floor as well as curtain wall portions of the building for all heights and all levels, including:	sqm	2111.40	311.54	969325.536	311.54	3.11	-9576.454	-0.99826668
	a) Structural analysis & design and preparation of shop drawings for the specified design loads conforming to IS 8750 part III (the system must passed the proof test at 1.5 times design wind pressure without any failure), including structural design of the aluminium sections for fixing glazing panels of various thicknesses, aluminium clamps, sleeves and spacers plus etc gaskets, screws, gaskets, bolts, bolts, clamps etc. structural and welder alloy steel members, flashings, fire stop channels/can-wire mesh, microwave cured EPDM gaskets for water tightness, pressure equalisation & drainage and protection against fire hazard including:								
	b) Fabricating and supplying semi rigid unitised aluminium alloy of 6063-T5 sections of required sizes, profiles and joints etc. to accommodate 3.0 dimensional movement for allowing perfect verticality and fixing structural glazing system, ready to the RCC/masonry/structural steel framework of building structure using stainless steel anchor fasteners bolts, nuts, washers to prevent galvanic corrosion with rain and weather etc. of suitable steel grade 316, of the required capacity and as required numbers.								
	c) Providing and fixing, two part epoxy filled, structural silicone sealant and any other weather silicone sealant compatible with the structural silicone sealant of required type in a clean and controlled factory/ work shop environment, including double sided spacer tape, setting beads and backer rod, all of approved grade, brand and manufacturer as per the approved detail design, within and all around the perimeter for fixing glass.								
	d) Providing and fixing in position flashings of solid aluminium sheet 1 mm thick and of cross, shape and profile, as required as per the site conditions, to seal the gaps between the building structure and all its members with curtain glazing to make it watertight.								

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68	Providing, mounting and supplying vision glass panels (IGLUs) complete, of horizontally-slanted 6-12- U and mounting plate (double glazed) vision units of type and shape as required and specified, comprising of an outer layer strengthened from float glass, of approved color and shade with reflective self coating on surface #2 of approved vision glass, inner 12mm white, despatch, including primary seal and secondary seal (structural silicone spigot) etc. all complete for the required performance, as per the Architectural drawings, as per the approved shop drawings, as specified and as directed by the Engineer-in-Charge. The IGUs shall be assembled in the factory/workshop of the glass processor. (Payment for fixing of IGUs shall be the contract price) is included in case of item 69.5.2 for payment, only the steel area of glass on floor is (1 of the glass panels (including the area of the grooves and weather silicone sealant) provided and fixed in position, shall be measured in sqm.	sqm	3377.50	311.54	30,52,226.35	311.54	10,22,20.35	308.43	104,17,22.325	-3.33	-10504.025	-0.59826658
69	(i) Coloured glazed floor glass from thick substrate with reflective self coating on face 6 mm x 12mm Argon + Green Heat Strengthened clear Glass of approved make having proportional visible light transmittance (VLT) of 25 to 35 %, Light reflection external 10 to 15%, light reflection external 10 to 20 %, shading coefficient (0.25 - 0.28) and U value of 3.0 to 3.3 W/m ² degree K etc. The properties of performance glass shall be decided by technical tendering authority as per the site requirement.	sqm	3377.50	311.54	30,52,226.35	311.54	10,22,20.35	308.43	104,17,22.325	-3.33	-10504.025	-0.59826658
70	Glaze for operable side / top hung window glass panels (IGLUs) including providing and supplying at site all accessories and hardware for the operable panels as specified and of the approved make such as heavy duty rollers, steel fixings, ropes, non-slip spacers, rollers, etc. including necessary materials and labour for installation, painting, etc. All complete as per the Architectural drawings, as per the approved shop drawings as specified and as directed by the Engineer-in-Charge.	sqm	3377.50	311.54	30,52,226.35	311.54	10,22,20.35	308.43	104,17,22.325	-3.33	-10504.025	-0.59826658
71	Providing and laying out, setting, epoxy applied waterproofing form (ICP/Chloro). Waterproofing System on the roof slabs at 8-4 levels of average thickness 100 mm from (National Directory of Slabs not less than 60 mm) as per manufacturer's specification. Following by providing a coat of brush applied waterproofing coating with cold applied Neoprene based submersed elastomeric membrane (with maximum 50% elongation at break), applied @ 1.5 mm, followed by priming and sanding (ICP/Chloro). Non Oxide Concrete all complete as per direction of engineer-in-charge.	sqm	1,419.00	248.27	3,77,995.13	248.27	77,995.13	550.875	78,183.525	2.73	3838.395	0.400370955
72	Providing and laying out, setting, epoxy applied waterproofing form (ICP/Chloro). Waterproofing System on the roof slabs at 8-4 levels of average thickness 100 mm from (National Directory of Slabs not less than 60 mm) as per manufacturer's specification. Following by providing a coat of brush applied waterproofing coating with cold applied Neoprene based submersed elastomeric membrane (with maximum 50% elongation at break), applied @ 1.5 mm, followed by priming and sanding (ICP/Chloro). Non Oxide Concrete all complete as per direction of engineer-in-charge.	sqm	1,419.00	248.27	3,77,995.13	248.27	77,995.13	550.875	78,183.525	2.73	3838.395	0.400370955
TOTAL FOR WATER PROOFING WORK =												
SUB-TOTAL: WATER PROOFING WORK												
TOTAL FOR WATER PROOFING WORK												

12	Stone Chips (Municipal) 49 Tons	600	3,100.41	697.10	21,000,710.00	-997.10	2,500,715.811	724.253	239,655.269	27.25	899,304.47261	3,930,952.37
13	Crane Soil (Municipal) 840 Tons	500	2,433.45	645.50	10,833,615.00	-645.50	10,833,615.00	569.538	136,502.246	124.28	302,526.9613	27,898,642.8
14	Bricks	Per 1000	1,173.13	178.95	2,103,080.00	178.95	2,103,080.00	357.262	178,850.0027	-21.67	-24,637.67843	-12,107,095.6
15	Local Road	500	316.45	384.23	1,12,102.00	354.25	1,12,102.00	878.957	278,139.6125	524.59	146,037.2012	148,112,067.7
SUB-HEAD XIV: DIFFERENCE IN BASIC RATES												
16	Concrete	Per 1000	10.78	6,018.00	61,871.00	6,018.00	61,871.00	82.43	84,738.04	2,224.40	2,296,683.2	26,958,761.17
SUB-HEAD XV: Water supply & sanitary installation												
SANITARY INSTALLATION												
1	Providing and fixing water closet squatting pan (Indian type W.C pan) with 100 mm sand cast iron P or S trap, 10 litre low level white P.V.C. flushing column with manually controlled device (handle lever) conforming to IS-7231, with all fittings and fixtures complete including coating and making good the walls and floors wherever required.	Each	4470.90	3.00	13412.70	3.00	13412.7	3	13412.7	0.00	0	0
2	White Vitreous china Gravel pattern W.C pan of size 580 x 440 mm with integral lip and foot rest.	Each	4470.90	3.00	13412.70	3.00	13412.7	3	13412.7	0.00	0	0
3	Providing and fixing wash basin with C.I. brackets, 15mm C.P. brass plate top, 30mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever required.	Each	5004.50	15.00	82564.50	15.00	82564.5	16	88068.8	1.00	3594.3	6,666,666.67
4	White Vitreous China Wash basin size 650x450mm with a pair of 15mm C.P. brass pillar taps	Each	2764.40	3.00	8293.20	3.00	8293.2	4	11057.6	3.00	2764.4	35,333,333.33
5	Providing and fixing vitreous china bid bath or well corner type fixed from urinal basin of 430 x 260 x 250 mm and 240 x 410 x 285 mm sizes respectively with automatic flushing column with standard flush pipe and C.P. brass scrubbers with brass urinals G.I. clamps, complete, including painting of fittings and brackets, cutting and making good the walls and floors wherever required.	Each	11785.00	15.00	176775.00	15.00	176775	15	176775	0.00	0	0
6	Range of three urinal basins with 10 litre white P.V.C. automatic flushing column	Each	7929.00	8.00	23387.20	8.00	23387	9	71361	6.00	47574	280
7	Providing and fixing stone slab table raised, edges rounded and polished of size 750x1000 mm deep and 100 mm thick fixed in urinal partitions by cutting a groove of appropriate width with chisel cutter and embedding the record in the groove with epoxy grout or with cement concrete 1:2:4 (1 coarse, 2 coarse sand, 4 graded stone aggregate from nominal size) as per direction of Engineer-in-charge and finished smooth.	Each	3081.20	2.25	6932.70	2.25	6932.7	2.25	6932.7	0.00	0	0

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Concealed work, including cutting chases and making good the													
a	15 mm nominal outer dia pipes	Metre	278.20	10.00	2782.00	10.00	2782.00	10.00	2782.00	10.00	2782.00	10.00	2782.00
b	20 mm nominal outer dia pipes	Metre	300.00	57.00	16860.00	57.00	16860.00	57.00	16860.00	57.00	16860.00	57.00	16860.00
c	25 mm nominal outer dia pipes	Metre	403.10	24.00	9674.40	24.00	9674.40	24.00	9674.40	24.00	9674.40	24.00	9674.40
d	32 mm nominal outer dia pipes	Metre	549.80	9.00	4948.20	9.00	4948.20	9.00	4948.20	9.00	4948.20	9.00	4948.20
16	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC pipe & brass threaded fittings. This includes joining of pipes & tapping with one-step CPVC solvent cement, breaking, rolling & bending of joints complete as per direction of Engineer in Charge												
External work													
15	32 mm nominal outer dia pipes	Metre	359.10	20.00	7182.00	20.00	7182.00	20.00	7182.00	20.00	7182.00	20.00	7182.00
a	20 mm nominal bore	Each	465.40	1.00	465.40	1.00	465.40	1.00	465.40	1.00	465.40	1.00	465.40
b	25 mm nominal bore	Each	532.30	1.00	532.30	1.00	532.30	1.00	532.30	1.00	532.30	1.00	532.30
c	32 mm nominal bore	Each	569.80	2.00	1139.60	2.00	1139.60	2.00	1139.60	2.00	1139.60	2.00	1139.60
d	40 mm nominal bore	Each	707.30	2.00	1414.60	2.00	1414.60	2.00	1414.60	2.00	1414.60	2.00	1414.60
e	50 mm nominal bore	Each	879.20	4.00	3516.80	4.00	3516.80	4.00	3516.80	4.00	3516.80	4.00	3516.80
20	Providing and fixing splined PVC connection pipe with bolts & nuts												
15 mm nominal bore	Each	85.20	39.00	3322.80	39.00	3322.80	39.00	3322.80	39.00	3322.80	39.00	3322.80	39.00
21	Providing and fixing gun metal non-return valve of approved quality (screwed end)												
a	20 mm nominal bore	Each	777.90	1.00	777.90	1.00	777.90	1.00	777.90	1.00	777.90	1.00	777.90
b	Vertical												
22	C.P. BRASS FITTINGS												
Providing and fixing C.P. brass bib cock of approved quality conforming to IS 8031	Each	484.20	18.00	7815.60	18.00	7815.60	18.00	7815.60	18.00	7815.60	18.00	7815.60	18.00
23	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	Each	715.10	1.00	715.10	1.00	715.10	1.00	715.10	1.00	715.10	1.00	715.10	1.00
24	Providing and fixing C.P. brass angle valve for basin floor and geyser points of approved quality conforming to IS 8031												
15 mm nominal bore	Each	300.40	21.00	6308.40	21.00	6308.40	21.00	6308.40	21.00	6308.40	21.00	6308.40	21.00
25	Providing and fixing PTMT galling of approved quality and color												
150 mm nominal size square 100 mm diameter of the inner flanged round galling	Each	169.70	28.00	4751.60	28.00	4751.60	28.00	4751.60	28.00	4751.60	28.00	4751.60	28.00
26	Providing and fixing PTMT soap Dish Holder having length of 135 mm breadth 100 mm height of 75 mm with concealed fitting arrangements. Weighing not less than 105 gms												
Each	96.80	1.00	96.80	1.00	96.80	1.00	96.80	1.00	96.80	1.00	96.80	1.00	96.80
27	Consulting/Plumbing Chamber 60 x 60 x 75 cm inside in brick work in cement mortar 1:4:1 cement 4 coarse sand for floor valves with C.I. surface box 100 mm top diameter 180 mm bottom diameter and 180 mm deep (inside) with enamel lid and RCC top slab 12.4 mm (1 cement 2 coarse sand 4 graded stone aggregate 20 mm nominal size) to necessary excavation foundation concrete 1:2:10 1 cement 5 fine sand 10 graded stone aggregate 20 mm nominal size and inside plastering with cement mortar 1:3:3 cement 3 coarse sand 12 mm thick finished with a flooring coat of red tiles complete as per standard design												
Each	7210.60	1.00	7210.60	1.00	7210.60	1.00	7210.60	1.00	7210.60	1.00	7210.60	1.00	7210.60
28	Non common burnt clay F.P.S. (non modular) bricks of 195x95x45 mm (100 A)												
Each	7210.60	1.00	7210.60	1.00	7210.60	1.00	7210.60	1.00	7210.60	1.00	7210.60	1.00	7210.60

38	Providing and placing on terrace polythene water storage tank 12x12700, finished with cover and burstage locking arrangement and making necessary joints, rivet, outer and overflow pipes but without flange and the base support for tank (3000x2-6500)	per line	9.70	6000.00		08200.00	6,000.00	58200	6000	58200	0.00	0	0
39	Excavating trenches of required width for pipes, cables, etc. including excavation for sockets, and dressing of sides, setting of bottom, depth up to 1.5m including getting out the excavated soil, and then returning the soil as required, in layers not exceeding 20cm in depth including consolidating each deposited layer by ramming, watering, etc. and disposing of surplus excavated soil as directed, within a lead of 50m.												
40	Providing and laying out, including 80mm dia but not exceeding 300mm dia, providing laying and getting glassed sizers and glass 30x1.5 M with self measure of cement mortar in the proportion of 1:1:1 (cement, 1 fine sand) including testing of joints etc. complete.	Meter	500.70	45.00		15000.20	45.00	18018.2	45.00	18018.2	0.00	0	0
41	Providing and laying cement concrete 1:5:10, 1 cement, 5 coarse sand 10 graded stone aggregate 40mm nominal size all round 8.0M pipes including bed concrete as per standard design.	Meter	404.30	6.00		2785.80	6.00	2785.8	6.00	2785.8	0.00	0	0
42	Providing and forcing square result 80M gully trap grade A complete with G1 grating brick masonry chamber with water tight C1 cover with frame of 3000x300mm (inside) the wt. of cover to be not less than 55kg. And frame to not less than 2.70 kg. standard design.	Meter	404.40	6.00		2986.40	6.00	2986.4	6.00	2986.4	0.00	0	0
43	Providing and laying non-pressure NP2 class R.C.C. pipes with collars joined with self measure of cement mortar in the proportion of 1:2 including testing of joints etc.	Each	1094.10	5.00		5970.50	5.00	5970.5	5.00	5970.5	0.00	0	0
44	Constructing brick masonry manhole in cement mortar 1:4:5 cement, 4 coarse sand R.C.C. top slab with 1:2:4 max. 1:1 cement, 2 coarse sand, 4 graded stone aggregate 20mm nominal size, foundation masonry 1:4:8 max. 1:1 cement, 4 coarse sand 8 graded stone aggregate 40mm nominal size, inside plastering 1:2mm thick with cement mortar 1:3, 1 cement, 3 coarse sand, finished with floating coat of 1:2 cement and making chamfers in cement concrete 1:2:4, 1:1 cement, 2 coarse sand 4 graded stone aggregate 20mm nominal size, finished with a floating coat of neat cement compound as per standard design.	Meter	410.70	40.00		16428.00	40.00	16428	40.00	16428	0.00	0	0
45	Inside size 3000mm and 450mm deep including C.I. cover with frame (light duty) 455x100mm, internal dimensions total weight of cover and frame to be not less than 35 kg weight of cover 23 kg and weight of frame 15 kg. With common burnt clay P.P.S (non modular) bricks of class designation 7.5. Extra for depth for masonry. Size 3000mm. With P.P.S bricks class designation 7.5.	Each	7914.70	1.00		7914.70	1.00	7914.7	1.00	7914.7	0.00	0	0
		Meter	5680.00	0.10		568.00	0.10	568	0.10	568	0.00	0	0

36	Constructing brick masonry chimney for underground C.I. rejection chamber and bends with 75 class design bricks in cement mortar 1:4:1 cement : coarse sand. C.I. cover with flame (light duty) 400x600mm internal dimensions, total height of cover with frame to be not less than 38 kg weight of cover 22 kg and weight of frame 15 kg) R.C.C top slab 12.5 x 12.5 x 1.1 cement : coarse sand : graded stone aggregate 20mm nominal size foundation concrete 1:3:10 1 cement : 5 fine sand 10 graded stone aggregate 40mm nominal size, inside plastering 12mm thick with cement mortar 1:3:11 cement : 3 coarse sand finished smooth with a fluting rod of 10mm cement on walls and bed concrete etc. complete as per standard design.	Each	4266.80	5.00	21334.00	5.00	21334	0.00	0	0
37	Bricks - dimensions 400x600mm and 450mm deep for single pipe line. With F.P.S bricks. Extra for depth beyond 450mm of brick masonry chimney. For 450x600mm size.	Each	4266.80	5.00	21334.00	5.00	21334	0.00	0	0
38	With F.P.S bricks Making soak pit 2.5 m diameter 3.0 meter deep with 45x45 cm dry brick honey comb shaft with brick of class designation 75 and S.W. diam pipe 100 mm diameter, 1.8 m long complete as per standard design.	Metre	3949.20	0.50	1973.10	0.50	1973.1	0.00	0	0
39	With F.P.S bricks Supplying materials, labour for constructing Septic Tanks of following sizes 8.05 per section given in the Drawings & Designs, all complete as per specifications and direction of Engineer-in-charge. [5.0 m (long) x 1.5 m (wide) x 2.25 m (deep)] of brick finished 500.05 per design, 5.0 x 2.0 x 2.5 M floor water harvesting tank (size: 5.0 x 2.0 x 2.5 M) deep + 0.50 M. base board) capacity 30200 LITRS. approx 5 filter pit (size: 1.20 x 0.90 x 1.20 M. deep)	Each	172672.00	1.00	172672.00	1.00	172672	0.00	0	0
40	RAIN WATER PIPE Providing and fixing on wall / floor PVC, locking pressure 400 per sqm) (on water pipes conforming to IS 4985 including joining with seal ring conforming to IS 5382 leaving 10 mm gap for thermal expansion.	Each	438276.00	1.00	438276.00	1.00	438276	0.00	0	0
41	10 mm diameter Providing and fixing on wall / floor PVC, locking pressure 400 per sqm) (on water pipes conforming to IS 4985 including joining with seal ring conforming to IS 5382 leaving 10 mm gap for thermal expansion.	Metre	257.50	159.00	40942.50	159.00	40942.5	0.00	0	0
42	110 mm Providing and fixing on wall / floor PVC, locking pressure 400 per sqm) (on water pipes conforming to IS 4985 including joining with seal ring conforming to IS 5382 leaving 10 mm gap for thermal expansion.	Each	120.00	12.00	1440.00	12.00	1440	0.00	0	0
43	110 mm Single pipe & Coupler.	Each	374.90	12.00	4498.20	12.00	4498.2	0.00	0	0
44	110 mm Single pipe with door.	Each	193.40	12.00	2320.80	12.00	2320.8	0.00	0	0
45	110 mm Bend 90° 5°	Each	132.00	12.00	1584.00	12.00	1584	0.00	0	0
46	110 mm Providing and fixing underground PVC pipe dips of approved design as per specifications PVC rain water pipes by means of 40 x 30 x 50 mm hard wood plugs, secured with 4:5 screws of required length, including raising brick work and fixing in cement mortar 1:4:1 cement : coarse sand and making good the wall etc.	Each	182.72	123.00	22474.56	123.00	22474.56	0.00	0	0
47	110 mm	Each	182.72	123.00	22474.56	123.00	22474.56	0.00	0	0

46	Providing and fixing to the steel mouth of rain water pipe cast iron grating 15 on diameter and weighing not less than 450 grams.	Each	47.90	32.00	574.80	12.60	574.8	32	574.8	0.00	0	0
	TUBE TO ELL-1 NO.											
46	Borepiling bore well of required dia for casing/concrete pipe by suitable method prescribed in IS 2800 (part I), including collecting samples from different strata, preparing and submitting 3000m charcoal log, including hire & running charges of all equipments, tools, plants & machines required for the job, all complete as per direction of Engineer-in-charge, upto 30 metre depth below ground level.	Mtrs.	486.80	30.00	43812.00	90.60	43812	90	43812	0.00	0	0
	All types of well											
46	Borepiling bore well of required dia for casing/concrete pipe by suitable method prescribed in IS 2800 (part I), including collecting samples from different strata, preparing and submitting 3000m charcoal log, including hire & running charges of all equipments, tools, plants & machines required for the job, all complete as per direction of Engineer-in-charge, beyond 30 metre & upto 150 metre depth below ground level.	Mtrs.	557.90	30.00	17037.00	30.00	17037	30	17037	0.00	0	0
	All types of well											
47	Supplying, assembling, lowering and tying in vertical position in bore well, ungalvanized PVC medium well casing (CM) pipe of required dia, conforming to IS-12816, including required hire and labour charges, fittings & accessories etc. all complete, for all depths, as per direction of Engineer-in-charge.	Mtrs.	548.10	45.00	34574.50	45.00	34574.5	45	34574.5	0.00	0	0
	100 mm nominal dia	Mtrs.	660.10	30.00	19803.00	30.00	19803	30	19803	0.00	0	0
48	Supplying, assembling, lowering and tying in vertical position in bore well ungalvanized PVC medium well casing (PVC) pipe with rig, conforming to IS 12816, including hire & labour charges, fittings & accessories etc. all complete, for all depths, as per direction of Engineer-in-charge.	Mtrs.	573.10	30.00	17103.00	30.00	17103	30	17103	0.00	0	0
	100 mm nominal dia	Mtrs.	660.10	30.00	19803.00	30.00	19803	30	19803	0.00	0	0
49	Grouting in tubewell construction in accordance with IS 4297 including providing grained material/aggregate in required grading & zone as per actual requirement, all complete as per direction of Engineer-in-charge.	cum	1343.20	7.00	9509.85	7.00	9509.85	7.00	9509.85	0.00	0	0
50	Development of tube well in accordance with IS 2800 (part I) and IS 11159, to suitable minimum rate of stable water yield without solid content beyond permissible limit, with required capacity air compressor running the compressor for required time, all well is fully developed, measuring yield of well by V return method or any other approved method, measuring static level & draw down etc. by step draw down method, collecting water samples & getting tested in approved laboratory, to determine of hardness, all complete, including hire & labour charges of all equipments, tools & accessories etc. all as per requirement and direction of Engineer-in-charge.	Hrs	916.80	36.00	33004.80	36.00	33004.8	36	33004.8	0.00	0	0
51	Providing & fixing suitable size broadened steel cap or spot welded plate to the top of borewell housing casing pipe, removable as per requirement, all complete as directed.	m ²	210.70	1.00	210.70	1.00	210.7	1	210.7	0.00	0	0
	150 mm dia											

53	Providing & fixing MS clamp of required dia in the top of housekeeping pipe of removable as per subwell dia as per IS:2800(part-I), including necessary bolts & nuts of size 16x50 complete.	each	1531.40	1.00	1531.40	1.00	1531.4	2	0	0.00	0	0	0
53	Providing & fixing Bar plug bottom plug of required dia to the bottom of pipe assembly as per IS:2800(part-I),	each				0.00	0			0.00	0	0	0
54	Establishment of 24" of submersible pump set of approved brand and make at completion	each	220.30	1.00	220.30	1.00	228.3	1		0.00	0	0	0
55	Establishment of 24" of submersible pump set of approved brand and make at completion	each	4117.00	1.00	4117.00	1.00	4117	1		0.00	0	0	0
55	MO. Supplying & fixing MS clamp of required dia in the top of housekeeping pipe by suitable method prescribed in IS:2800(part-I) including collecting sample from different strata, including and submitting details of strata log including bore & carrying charges of all equipments, tools, plants and machines required for the job. All complete as per direction of engineer in charge upto 80 metre depth below the ground level.												
56	All type of soil 300 mm dia Supplying & fixing MS clamp of required dia in the top of housekeeping pipe by suitable method prescribed in IS:2800(part-I) including collecting sample from different strata, including and submitting details of strata log including bore & carrying charges of all equipments, tools, plants and machines required for the job. All complete as per direction of engineer in charge upto 80 metre depth below the ground level.	metre	480.80	40.00	19472.00	40.00	19472	4		-36.00	-37521.8	-90	
57	150 mm internal dia Supplying & fixing MS clamp of required dia in the top of housekeeping pipe by suitable method prescribed in IS:2800(part-I) including collecting sample from different strata, including and submitting details of strata log including bore & carrying charges of all equipments, tools, plants and machines required for the job. All complete as per direction of engineer in charge upto 80 metre depth below the ground level.	metre	660.10	37.00	24423.70	37.00	24423.7	37		0.00	0	0	0
58	150 mm internal dia Supplying & fixing MS clamp of required dia in the top of housekeeping pipe by suitable method prescribed in IS:2800(part-I) including collecting sample from different strata, including and submitting details of strata log including bore & carrying charges of all equipments, tools, plants and machines required for the job. All complete as per direction of engineer in charge upto 80 metre depth below the ground level.	metre	672.50	6.00	4041.00	6.00	4041	6		0.00	0	0	0
59	150 mm internal dia Supplying & fixing MS clamp of required dia in the top of housekeeping pipe by suitable method prescribed in IS:2800(part-I) including collecting sample from different strata, including and submitting details of strata log including bore & carrying charges of all equipments, tools, plants and machines required for the job. All complete as per direction of engineer in charge upto 80 metre depth below the ground level.	metre	1185.60	3.00	3556.80	3.00	3556.8	3		0.00	0	0	0
60	150 mm dia Providing & fixing MS clamp of required dia in the top of housekeeping pipe of removable as per subwell dia as per IS:2800(part-I), including necessary bolts & nuts of size 16x50 complete.	each	210.70	1.00	210.70	1.00	210.7	1		0.00	0	0	0
61	150 mm dia Providing & fixing MS clamp of required dia in the top of housekeeping pipe of removable as per subwell dia as per IS:2800(part-I), including necessary bolts & nuts of size 16x50 complete.	each	1531.40	1.00	1531.40	1.00	1531.4	1		0.00	0	0	0
62	150 mm dia Providing & fixing MS clamp of required dia in the top of housekeeping pipe of removable as per subwell dia as per IS:2800(part-I), including necessary bolts & nuts of size 16x50 complete.	each	201.80	1.00	201.80	1.00	201.8	1		0.00	0	0	0
62	MO. Supplying & fixing MS clamp of required dia in the top of housekeeping pipe by suitable method prescribed in IS:2800(part-I) including collecting sample from different strata, including and submitting details of strata log including bore & carrying charges of all equipments, tools, plants and machines required for the job. All complete as per direction of engineer in charge upto 80 metre depth below the ground level.												
62	MO. Supplying & fixing MS clamp of required dia in the top of housekeeping pipe by suitable method prescribed in IS:2800(part-I) including collecting sample from different strata, including and submitting details of strata log including bore & carrying charges of all equipments, tools, plants and machines required for the job. All complete as per direction of engineer in charge upto 80 metre depth below the ground level.	metre	581.70	40.00	4128.50	40.00	4128.5	105.00		0.00	0	0	0

Use of trade paper: fixed with intermediate G-1 fibreglass 45N/50d 5 mm meshing at 300 spacing of 1200 mm centre to centre, in which the ceiling section 0.5 mm thick bottom board is 240 mm with tapered flange of 30 mm each having a lip of 10.5 mm, at 650 mm centre to centre, shall be fixed in a direction perpendicular to G-1 intermediate channel with connecting clips made out of 3.0 mm dia x 230 mm long G.I. wire at every junction, including fixing perimeter channels 0.5 mm thick 27 mm high having flanges of 20 mm and 30 mm deep, the perimeter of ceiling fixed to wall/partition with the help of nail plates at 450 mm centre, with 25 mm long dry wall screws @ 250 mm interval, including fixing of 90 mm board to ceiling section and perimeter channel with the help of dry wall screws of size 3.5 x 25 mm at 220 mm c/c, including jointing and finishing on a fresh finish of tapered and square edges of the board with recommended jointing compound, jointing tapes, filling with jointing compound in 2 layers covering upto 120 mm on both sides of joint and two coats of primer suitable for board, all as per manufacturer's specifications and also including the cost of making openings for light fittings, grills, diffusers, etc. outside with frame of perimeter channels suitably fixed, all complete as per drawings, specifications and location of the Engineer in Charge but excluding the cost of painting with																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
Fully Perforated Gypsum Plaster Board of size 1200 x 2400 x 5 mm having approx. 15 % perforated area with perforations size and pattern as approved by the Engineer-in- charge and as per manufacturer's specification, with all 4 side tapered and beveled										353.45	415466.24	1371624.85																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					

5	1. X 1.5 sq. mm earth wire (for Street Light)	Each	235.00	160	37280.00	160	37280	0.00	0	0
6	2. X 1.5 sq. mm + 1 X 1.5 sq. mm earth wire (for Computer + Modem)	Each	275.00	2754	757350.00	2754	757350	0.00	0	0
7	3. X 1.5 sq. mm + 1 X 1.5 sq. mm earth wire (for A/C Fan)	Each	334.00	1128	375552.00	1128	375552	0.00	0	0
8	4. X 10 sq. mm + 3 X 10 sq. mm earth wire (for 1000 W)	Each	1065.00	220	224100.00	220	224100	0.00	0	0
9	Supplying and fixing 2 pin, 6 amp ceiling rose on the junction box/modern block including connection etc as required.	Each	42.00	518	21756.00	518	21756	418.00	-17556	-80.6949907
10	Supplying and fixing luminaire/angle holder including connection	Each	48.00	32	1472.00	32	1472	9.00	0	0
11	Supplying and fixing stepped type electronic fan regulator on pre-existing modular plant switch box including connections but excluding modular plant etc. as required	Each	328.00	118	40352.00	118	40352	4.00	1416	3.389636508
12	Supplying and fixing electronic modular self variable fan speed controller 230 volts constant speed as required	Each	218.00	37	3723.00	37	3723	0.00	0	0
13	Supplying and fixing variable speed G.I. box with modular plate and cover in front on surface or in room including providing and fixing 4 nos. 2 pin, 56 amp modular modular motor and 4 nos. 56 amp modular switch, connection etc as required. (1 Load for 1000 W)	Each	1,255.00	123	154365.00	123	154365	0.00	0	0
14	Supplying and fixing variable speed G.I. box with modular plate and cover in front on surface or in room including providing and fixing 2 nos. 3 pin, 56 amp modular modular motor and 2 nos. 56 amp modular switch, connection etc as required. (1 Load for 1000 W)	Each	681.00	30	20430.00	30	20430	0.00	0	0
15	Supplying and fixing modular type 25 amp A.C. unit box with MCB on surface or in room complete with LED type base fitting complete with electronic driver and LED tube etc. (1000 W)	Each	594.00	47	27918.00	47	27918	0.00	0	0
16	Supplying and fixing modular type 25 amp A.C. unit box with MCB on surface or in room complete with LED type base fitting complete with electronic driver and LED tube etc. (1000 W)	Each	594.00	47	27918.00	47	27918	0.00	0	0
17	Supplying and fixing modular type 25 amp A.C. unit box with MCB on surface or in room complete with LED type base fitting complete with electronic driver and LED tube etc. (1000 W)	Each	594.00	47	27918.00	47	27918	0.00	0	0
18	Supplying and fixing modular type 25 amp A.C. unit box with MCB on surface or in room complete with LED type base fitting complete with electronic driver and LED tube etc. (1000 W)	Each	594.00	47	27918.00	47	27918	0.00	0	0
19	Supplying and fixing modular type 25 amp A.C. unit box with MCB on surface or in room complete with LED type base fitting complete with electronic driver and LED tube etc. (1000 W)	Each	594.00	47	27918.00	47	27918	0.00	0	0
20	Supplying and fixing modular type 25 amp A.C. unit box with MCB on surface or in room complete with LED type base fitting complete with electronic driver and LED tube etc. (1000 W)	Each	594.00	47	27918.00	47	27918	0.00	0	0

21	Supplying and fixing following say: horizontal type three pole & neutral, sheet metal, MCB, differential board, 415 volts, on surface mount, complete with usual copper bus - bar, terminal box, earth bar, din bar, interconnection, powder painted including earthing bar, etc. as required. 100mm x 100mm x 10mm	Each	2,300.00	12	20054.00	12.00	380.56	12	28656	0.00	0
22	Supplying and fixing following say: horizontal type three pole & neutral, sheet metal, MCB, differential board, 415 volts, on surface mount, complete with usual copper bus - bar, terminal box, earth bar, din bar, interconnection, powder painted including earthing bar, etc. as required. 100mm x 100mm x 10mm	Each	2,905.00	12	34860.00	12.00	3486.00	12	34860	0.00	0
23	Supplying and fixing following say: horizontal type three pole & neutral, sheet metal, MCB, differential board, 415 volts, on surface mount, complete with usual copper bus - bar, terminal box, earth bar, din bar, interconnection, powder painted including earthing bar, etc. as required. 100mm x 100mm x 10mm	Each	1,952.00	150	292800.00	150.00	28203	150	28200	0.00	0
24	Supplying and fixing following say: horizontal type three pole & neutral, sheet metal, MCB, differential board, 415 volts, on surface mount, complete with usual copper bus - bar, terminal box, earth bar, din bar, interconnection, powder painted including earthing bar, etc. as required. 100mm x 100mm x 10mm	Each	1,487.00	12	17844.00	12.00	1784.4	12	17844	0.00	0
25	Supplying and fixing following say: horizontal type three pole & neutral, sheet metal, MCB, differential board, 415 volts, on surface mount, complete with usual copper bus - bar, terminal box, earth bar, din bar, interconnection, powder painted including earthing bar, etc. as required. 100mm x 100mm x 10mm	Each	1,635.00	13	21255.00	13.00	2125.5	13	21255	0.00	0
26	Supplying and fixing following say: horizontal type three pole & neutral, sheet metal, MCB, differential board, 415 volts, on surface mount, complete with usual copper bus - bar, terminal box, earth bar, din bar, interconnection, powder painted including earthing bar, etc. as required. 100mm x 100mm x 10mm	Each	777.00	140	108780.00	140.00	10878	140	108780	0.00	0
27	Supplying and fixing following say: horizontal type three pole & neutral, sheet metal, MCB, differential board, 415 volts, on surface mount, complete with usual copper bus - bar, terminal box, earth bar, din bar, interconnection, powder painted including earthing bar, etc. as required. 100mm x 100mm x 10mm	Each	95,006.00	3	279018.00	3.00	279108	3	279108	0.00	0
28	Supplying and fixing following say: horizontal type three pole & neutral, sheet metal, MCB, differential board, 415 volts, on surface mount, complete with usual copper bus - bar, terminal box, earth bar, din bar, interconnection, powder painted including earthing bar, etc. as required. 100mm x 100mm x 10mm	Each	3,204.00	24	76896.00	24.00	7689.6	24	76896	0.00	0
29	Supplying and fixing following say: horizontal type three pole & neutral, sheet metal, MCB, differential board, 415 volts, on surface mount, complete with usual copper bus - bar, terminal box, earth bar, din bar, interconnection, powder painted including earthing bar, etc. as required. 100mm x 100mm x 10mm	Each	19,697.00	3	59091.00	3.00	5909.1	3	59091	0.00	0
30	Supplying and fixing following say: horizontal type three pole & neutral, sheet metal, MCB, differential board, 415 volts, on surface mount, complete with usual copper bus - bar, terminal box, earth bar, din bar, interconnection, powder painted including earthing bar, etc. as required. 100mm x 100mm x 10mm	Each	36,969.00	3	110907.00	3.00	11090.7	3	110907	0.00	0
31	Supplying and fixing following say: horizontal type three pole & neutral, sheet metal, MCB, differential board, 415 volts, on surface mount, complete with usual copper bus - bar, terminal box, earth bar, din bar, interconnection, powder painted including earthing bar, etc. as required. 100mm x 100mm x 10mm	Each	28,657.00	3	85971.00	3.00	8597.1	3	85971	0.00	0
32	Supplying and fixing following say: horizontal type three pole & neutral, sheet metal, MCB, differential board, 415 volts, on surface mount, complete with usual copper bus - bar, terminal box, earth bar, din bar, interconnection, powder painted including earthing bar, etc. as required. 100mm x 100mm x 10mm	Each	1,360.00	96	13056.00	96.00	1305.6	96	13056	0.00	0
33	Supplying and fixing following say: horizontal type three pole & neutral, sheet metal, MCB, differential board, 415 volts, on surface mount, complete with usual copper bus - bar, terminal box, earth bar, din bar, interconnection, powder painted including earthing bar, etc. as required. 100mm x 100mm x 10mm	Each	2,573.00	6	15438.00	6.00	1543.8	6	15438	0.00	0
34	Supplying and fixing following say: horizontal type three pole & neutral, sheet metal, MCB, differential board, 415 volts, on surface mount, complete with usual copper bus - bar, terminal box, earth bar, din bar, interconnection, powder painted including earthing bar, etc. as required. 100mm x 100mm x 10mm	Each	829.00	90	70610.00	90.00	7061	90	70610	0.00	0
35	Supplying and fixing following say: horizontal type three pole & neutral, sheet metal, MCB, differential board, 415 volts, on surface mount, complete with usual copper bus - bar, terminal box, earth bar, din bar, interconnection, powder painted including earthing bar, etc. as required. 100mm x 100mm x 10mm	Each	178.00	140	19520.00	140.00	1952	140	19520	0.00	0
36	Supplying and fixing following say: horizontal type three pole & neutral, sheet metal, MCB, differential board, 415 volts, on surface mount, complete with usual copper bus - bar, terminal box, earth bar, din bar, interconnection, powder painted including earthing bar, etc. as required. 100mm x 100mm x 10mm	Each	12,831.00	5	64155.00	5.00	6415.5	5	64155	0.00	0
37	Supplying and fixing following say: horizontal type three pole & neutral, sheet metal, MCB, differential board, 415 volts, on surface mount, complete with usual copper bus - bar, terminal box, earth bar, din bar, interconnection, powder painted including earthing bar, etc. as required. 100mm x 100mm x 10mm	Each	178.00	20	3560.00	20.00	356	20	3560	0.00	0
38	Supplying and fixing following say: horizontal type three pole & neutral, sheet metal, MCB, differential board, 415 volts, on surface mount, complete with usual copper bus - bar, terminal box, earth bar, din bar, interconnection, powder painted including earthing bar, etc. as required. 100mm x 100mm x 10mm	Each	8,437.00	8	67496.00	8.00	6749.6	8	67496	0.00	0

35	Supplying and embossing following the G-1 pipe (flexible steel) in pole cable/ foundation (during laying) for cable entry including bonding the pipe to all mm ltr	Meter	302.00	0	3120.00	8.00	3120	0.00	0	0
36	Main Panel Supplying and fixing wall/floor mounted cabinet panel board dimensioned with 16 gauge iron steel, suitable for panel mounted switch disconnector, including bus-bar chamber, meter and disconnector, including cable without busbar (cables with SF6 cable 500 mm X 3 mm bars for bus-bar including interconnection etc. as reqd	Sq ft	1,382.00	30	41460.00	30.00	41460	0.00	0	0
37	Supply of Pilot lamp for indicator	nos.	776.00	48	37248.00	48.00	37248	0.00	0	0
38	Supply and fixing digital voltmeter, three phase in the existing cabinet panel board including drilling holes in the panel board.	Each	121.00	3	363.00	3.00	363	0.00	0	0
39	Supply and fixing digital Ammeter, three phase in the existing cabinet panel board including drilling holes in the panel board.	Each	1,337.00	1	1337.00	1.00	1337	0.00	0	0
40	Supply and fixing digital Ammeter, three phase in the existing cabinet panel board including drilling holes in the panel board.	Each	1,643.00	1	1643.00	1.00	1643	0.00	0	0
41	Providing and fixing interlocking ring and breaking capacity MCB in existing cabinet panel board including drilling holes in cabinet	Each	19,097.00	4	76388.00	4.00	76388	0.00	0	0
42	Providing and fixing following capacity four pole (ON/OFF) panel mounted charger motor isolator inside the existing cabinet panel board including drilling holes in cabinet panel, making connections etc. as required 400 Amp, 33.5 kV 635 Amp, 33.5 kV 635 Amp, 33.5 kV	Each	24,910.00	1	24910.00	1.00	24910	0.00	0	0
43	Supply of four pole	Each	21,116.00	1	21116.00	1.00	21116	0.00	0	0
44	Supply of four pole	Each	240.00	128	28800.00	128.00	28800	0.00	0	0
45	Supply of four pole	Each	298.00	128	36164.00	128.00	36164	0.00	0	0
46	Supply of four pole	Each	275.00	66	17970.00	66.00	17875	0.00	0	0
47	Supply of four pole	Each	11,700.00	3	35100.00	3.00	35100	0.00	0	0
48	Supply of four pole	Each	18,700.00	3	56100.00	3.00	56100	0.00	0	0
49	Supply of four pole	Each	9,546.00	6	57276.00	6.00	57276	0.00	0	0
50	Supply of four pole	Each	17,000.00	3	51000.00	3.00	51000	0.00	0	0
51	Supply of four pole	Each	34,775.00	3	104325.00	3.00	104324	0.00	0	0
52	Supply of four pole	Each	45.00	4500	202500.00	4,500.00	202500	0.00	0	0

Annexure-XXXIX



Bihar State Power Transmission Company Limited (BSPTCL)

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

Name of the Work –

“Construction of boundary wall, earth filling and road with culvert in acquired land
(for bay extension) at 132/33 KV GSS Phulparas”

विषय:

महालेखाकार (लेखा एवं हक),
बिहार, धीरचन्द्र पटेल मार्ग, पटना।

बिहार स्टेट पावर ट्रान्समिशन कम्पनी लि0 को संचरण प्रणाली को वर्ष 2021-22 के अन्त तक बिहार के कुल विद्युत माँग को पूरा करने हेतु संचरण प्रणाली के सुदृढीकरण हेतु 1097.21 करोड़ (एक हजार सन्तानव करोड़ इक्कीस लाख) रुपये की नयी योजना की स्वीकृति एवं कुल स्वीकृत राशि का 20% की अर्थात् 219.44 करोड़ (दो सौ उन्नीस करोड़ चौवालीस लाख) रुपये पूँजीगत निवेश के रूप में इक्विटी स्वरूप तथा शेष 80% अर्थात् 877.77 करोड़ (आठ सौ सत्तहतर करोड़ सत्तहतर लाख) रुपये राज्य सरकार की गारण्टी पर विभिन्न वित्तीय संस्थानों से ऋण प्राप्त करने की स्वीकृति एवं योजना के कार्यान्वयन हेतु वित्तीय वर्ष 2017-18 में तत्काल 20.00 करोड़ (बीस करोड़) रुपये बिहार स्टेट पावर ट्रान्समिशन कम्पनी लि0 को उपलब्ध कराने की स्वीकृति प्रदान करने के संबंध में।

आदेश-स्वीकृत।

केंद्रीय विद्युत प्राधिकरण द्वारा कराये गये 19वीं पावर सर्वे के अनुसार बिहार राज्य की शीर्ष विद्युत माँग 6576 मेगावाट सम्भावित है। इस माँग को पूरा करने हेतु ट्रान्समिशन कम्पनी एवं पावरग्रिड के संयुक्त प्रयास से विस्तृत संचरण प्रणाली के अध्ययनोपरांत 400 के0भी0 एवं 220 के0भी0 स्तर पर वर्ष 2021-22 के अन्त तक कुल विद्युत माँग के अनुरूप संचरण प्रणाली विस्तृत करने हेतु योजना बनायी गयी है जो राज्य की सम्भावित विद्युत माँग को पूरा कर सकेगी। उक्त योजना के तहत लिये गये कार्यों पर केंद्रीय विद्युत प्राधिकरण की तकनीकी सहमति प्राप्त है।

2. इस योजना के अन्तर्गत कार्यान्वित होने वाली कार्यों का संक्षिप्त विवरणी निम्न प्रकार है:-

- एक नये 220/132/33 के0भी0 ग्रिड उपकेंद्र कर्मनाशा एवं एक 132/33 के0भी0 ग्रिड उपकेंद्र कौड़ा का 220/132 के0भी0 स्तर पर विस्तारीकरण परियोजनाओं से सम्बन्धित 220 के0भी0 के 120 सर्किट किलोमीटर एवं 132 के0भी0 के 147 सर्किट किलोमीटर (अनुमानित) संचरण लाइन का निर्माण।
- राज्य के 13 अद्व पुराने 132 के0भी0 के (473.42 सर्किट किलोमीटर) संचरण लाइनों का HTLS Conductor (capacity-240 MVA, 1050 A) द्वारा Reconductoring कार्य।
- राज्य के 09 अद्व ग्रिड सब-स्टेशनों में ट्रान्सफार्मरों का क्षमता विस्तार।
- राज्य में 220 के0भी0 के (अनुमानित 130 सर्किट किलोमीटर) एवं 132 के0भी0 के (अनुमानित 130 सर्किट किलोमीटर) नये संचरण लाइन का निर्माण।

उक्त योजना के कार्यान्वयन हेतु कुल प्राक्कलित राशि 1097.21 करोड़ रुपये अनुमानित है। इसके कार्यान्वयन के बाद संचरण प्रणाली 400 के0भी0 एवं 220 के0भी0 के स्तर पर वर्ष 2021-22 के अन्त तक कुल विद्युत माँग को पूरा करने में सक्षम हो जायेगी। इस योजना को 2021-22 तक पूरा करने का लक्ष्य रखा गया है।

3. उक्त आलोक में राज्य सरकार द्वारा बिहार स्टेट पावर ट्रान्समिशन कम्पनी लि0 के संचरण प्रणाली को वर्ष 2021-22 के अन्त तक बिहार के कुल विद्युत माँग को पूरा करने हेतु संचरण प्रणाली के सुदृढीकरण हेतु 1097.21 करोड़ (एक हजार सन्तानव करोड़ इक्कीस लाख) रुपये की नयी योजना की स्वीकृति एवं कुल स्वीकृत राशि का 20% की अर्थात् 219.44 करोड़ (दो सौ उन्नीस करोड़ चौवालीस लाख) रुपये पूँजीगत निवेश के रूप में इक्विटी स्वरूप तथा शेष 80% अर्थात् 877.77 करोड़ (आठ सौ सत्तहतर करोड़ सत्तहतर लाख) रुपये राज्य सरकार की गारण्टी पर विभिन्न वित्तीय संस्थानों से ऋण प्राप्त करने की स्वीकृति एवं इसके कार्यान्वयन हेतु वित्तीय वर्ष 2017-18 में तत्काल 20.00 करोड़ (बीस करोड़) रुपये बिहार स्टेट पावर ट्रान्समिशन कम्पनी लि0 को उपलब्ध कराने की स्वीकृति प्रदान प्रदान की जाती है।

4. उक्त राशि मुख्य शीर्ष 4801-बिजली परियोजनाओं पर पूंजीगत परियोजना-उप मुख्य शीर्ष-05 संघर्ष तथा वितरण, लघु शीर्ष-789-अनुसूचित जातियों के लिये विशेष घटक योजना, उपशीर्ष-0101- बिहार स्टेट पावर ट्रान्समिशन कम्पनी लि० की परियोजना, मॉड सं०-10, विपत्र कोड-10-4801057890101 विषय शीर्ष 6401-निवेश के अन्तर्गत वित्तीय वर्ष 2017-18 में उपबंधित राशि से विकलनीय होगा।

5. इस राशि की निकासी उप सचिव-सह-निकासी एवं व्ययन पदाधिकारी, ऊर्जा विभाग, बिहार, पटना के द्वारा सचिवालय कोषागार, सिंचाई भवन, पटना से कर बिहार स्टेट पावर ट्रान्समिशन कम्पनी लि० के व्यक्तिगत लेखा खाता (पी०एल० खाता) के मुख्य शीर्ष 8446-स्थायी निधियों की जमा, उप मुख्य शीर्ष-00, लघु शीर्ष-120-अन्य निधियाँ, उपशीर्ष-0044-बिहार स्टेट पावर ट्रान्समिशन क० लि०, व्यय शीर्ष-L8448001200044 एवं प्राप्ति-क-8448001200044 में जमा की जाएगी।

6. बिहार स्टेट पावर ट्रान्समिशन कम्पनी लि० द्वारा राशि की निकासी कोषागार में खोले गए पी० एल० खाता संख्या PLA272 से की जाएगी।

7. वित्त विभाग के परिषद संख्या 7355 दिनांक 08.10.2007 के अनुसार इसमें प्राधिकार पर की आवश्यकता नहीं है।

8. उक्त योजना की स्वीकृति हेतु मंत्रिपरिषद का अनुमोदन सचिवालय संख्या-प्र०/BSPTCL-07/2017 के पृष्ठ संख्या-8/टि० पर दिनांक-07.11.2017 को प्राप्त है।

9. राज्यादेश पर आंतरिक वित्तीय सलाहकार की सहमति सचिवालय संख्या-प्र०/BSPTCL-07/2017 पृष्ठ संख्या-11/टि० पर दिनांक-08.11.2017 को प्राप्त है।

बिहार राज्यपाल के आदेश से

ह०/-

(प्रत्यय अमृत)

सरकार के प्रधान सचिव।

ज्ञापक-प्र०/BSPTCL-07/2017

/पटना, दिनांक-

प्रतिलिपि-महालेखाकार(लेखा परीक्षा), बिहार, पटना/कोषागार पदाधिकारी, सचिवालय कोषागार, सिंचाई भवन, पटना को सूचनार्थ एवं आवश्यक कार्रवाई हेतु प्रेषित।

ह०/-

सरकार के प्रधान सचिव।

ज्ञापक-प्र०/BSPTCL-07/2017

/पटना, दिनांक- 20/11/2017

प्रतिलिपि-वित्त विभाग, बजट शाखा/प्रधान सचिव, वित्त विभाग, बिहार, पटना/प्रधान सचिव, योजना एवं विकास विभाग, बिहार, पटना/बजट शाखा, ऊर्जा विभाग, पटना/उप सचिव-सह-निकासी एवं व्ययन पदाधिकारी, ऊर्जा विभाग, पटना/लेखा शाखा, ऊर्जा विभाग (तीन प्रतियों में), पटना/आईटी० मैनेजर, ऊर्जा विभाग, पटना/अध्यक्ष-सह-प्रबंध निदेशक, बिहार स्टेट पावर (होलिंग) कम्पनी लि०/प्रबंध निदेशक, बिहार स्टेट पावर ट्रान्समिशन कम्पनी लिमिटेड/उप महाप्रबंधक(वित्त एवं लेखा), बिहार स्टेट पावर ट्रान्समिशन कम्पनी लिमिटेड को सूचनार्थ एवं आवश्यक कार्रवाई हेतु प्रेषित।

सरकार के प्रधान सचिव।

GENERAL AND TECHNICAL REPORT

❖ Name of work	Construction of boundary wall, earth filling and road with culvert in acquired land (for bay extension) at 132/33 KV GSS Phulparas.
❖ NIT No.	34/PR/BSPTCL/2024/02
❖ Name of Agency	M/s Santosh Kumar Pathak
❖ Head	State Plan, GoB L.No.-3489, dt.-20/11/17 Scheme

- This is regarding the work of construction of boundary wall, earth filling and road with culvert in acquired land (for bay extension) at 132/33 KV GSS Phulparas. The aforesaid boundary wall is on acquired land (1.23 acre) for 02 nos. 132 KV Line bay extension. The land has been demarcated on dated-28.08.2024 in presence of district administration. The existing entrance road will come under upcoming Line bays. Hence, the boundary wall for the recently acquired land for safety of GSS premises.
- The estimate of construction of boundary wall, earth filling and road with culvert in acquired land (for bay extension) at 132/33 KV GSS Phulparas has been received from the office of EE (C), TCD, Darbhanga vide letter no. – 93, dt.- 23.09.2024 amounting to Rs.1,46,70,254.00 (Rupees One Crore Forty Six Lakh Seventy Thousand Two Hundred Fifty Four) only.
- Received estimate has been checked on the basis of current SOR, BCD w.e.f. 01.01.2022. The checked estimated cost is coming out to be Rs. 1,22,29,590.00 (Rupees One Crore Twenty Two Lakh Twenty Nine Thousand Five Hundred Ninety) only.
- Financial concurrence to the tune of Rs. 1,22,29,590.00 has been accorded under State Plan, GoB vide L.No.-3489, dt. -20/11/17 and subsequently technical sanction of the said work has been accorded by Chief Engineer (Civil).
- 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.- 34/PR/BSPTCL/2024/02. Post tendering the work was awarded to L-1 bidder i.e. M/s Santosh Kumar Pathak, Motihari vide W.O. No.- 01, dated- 24.01.2025.

Nishant Naveet
25.09.25
Assistant Engineer (Civil)

[Signature]
25.09.25
Executive Engineer (Civil)

[Signature]
25.09.25
Superintending Engineer (Civil)

[Signature]
25.09.25
Chief Engineer (Civil)

Technical Report

An estimate amounting to ^{1,46,70,254.00} ~~1,46,70,254.00~~ ^{1,22,08,842/-} ~~1,22,23,530/-~~ (Rupees One Crore Forty Six Lakh ^{Seventy} ~~Seventy~~ Thousand Two Hundred Fifty Four) only has been framed to meet the expenditure for the work of Earth filling, Construction of Boundary wall and Road with culvert in acquired land (for bay extension) at 132/33 KV GSS Phulparas.

In view of letter No.-88/Phulparas dt- 03.09.2024 of AEE, TSD, Phulparas communicated by EEE, TD, Madhubani on dt- 03.09.2024, estimate has been framed. Land is acquired for extension of Switchyard (for Construction of 02 nos. line bays). The land has been demarcated on dt- 28.08.2024 in presence of district administration.

The Construction of line bays was awarded to M/s Jagabandhu Enterprises Pvt. Ltd. vide W.O. No.- 24 dt. 28.05.2019. There is no scope of work of Construction of Boundary wall and Road in the awarded work as said above (BOQ attached). The existing entrance road will comes under upcoming line bays & therefore this road will be closed. There is only 1000 cumec earth quantity given in M/s Jagabandhu scope but in actual, there is requirement of 7466 cumec approx.

Accordingly estimate has been framed for the work of Earth filling, Construction of Boundary wall and Road with culvert in which all necessary items are included such as

- i) Earth filling
- ii) Pile 300mm dia (M-25)
- iii) P.C.C (1:3:6) & R.C.C (1:1.5:3)
- iv) Brick wok
- v) Angle & Concertina coil
- vi) WBM, PCC & RCC for Road work.

Schedule of rate of Govt. of Bihar of BCD has been adopted in framing the estimate which is effective from 01.01.2022.

Saurav
53/09/2024
Junior Engineer (Civil)
Transmission Civil Division
Darbhanga

[Signature]
23.09/2024
[Signature]
[Signature]

[Signature]
29/09/24
Executive Engineer (Civil)
Transmission Civil Division
Darbhanga

Summary

Name of work :- Construction of boundary wall, earth filling and road with culvert in acquired land (For bay extension) at 132/33 KV GSS Phulparas.

Sl. No.	Description	Estimated Cost (Rs.)
1	Boundary wall - 153m	₹37,71,208.00
2	Road - 175mx5.5m	₹47,91,514.00
3	Culvert	₹14,61,820.00
4	Earth filling - 1.5m depth	₹32,05,048.00
Total Amount		₹1,22,29,590.00

Megha Shrivastav
23/09/2024
OE(C), HQ.
Megha Shrivastav
JE (C), B.S.P.T.C.L.

Nishant Naveen
03.10.24
Nishant Naveen
AE (C) BSPTCL

KUMAR ANAND
03.10.24
EE (CIVIL)
BSPTCL

Kumar Chaitanya
03.10.24
EE (C), BSPTCL

Technically sanctioned for Rs. 1,22,29,590/- (Rupees One Crore Twenty Two Lakh Twenty Nine Thousand Five hundred^{Ninety} only).

24.10.24
OE(C)



Bihar State Power Transmission Company Limited, Patna

(Regd. office: Vidyut Bhawan, Bailey Road, Patna)
GST No.: 10AAPCB2393H1Z1, CIN- U74110BR2012SOC018889
Email: civil.dep@bsptcl.bihar.gov.in, Contact No : 7763817981, 9264427334
(Department of Civil of BSPTCL)

NOTICE INVITING TENDER

NIT No:- 34/PR/BSPTCL/2024

(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 boundary wall at 220/132/33 KV GSS Bodhgaya.	Rs. 1,72,43,600/-	Rs. 3,44,900/-	Rs. 11,800/-	09 (Nine) months
2.	Construction of boundary wall, earth filling and road with culvert in acquired land (for bay extension) at 132/33 KV GSS Phulparas.	Rs. 1,22,29,590/-	Rs. 2,44,600/-	Rs. 11,800/-	09 (Nine) months
3.	Reconstruction of boundary wall in north side at 132/33 KV GSS Maharaajganj.	Rs 23,63,700/-	Rs 47,300/-	Rs 5,900/-	06 (Six) months

Bid submission start date and time:-	From 15:00 Hrs of 11.11.2024 through website www.eproc2.bihar.gov.in
Bid submission end date and time:-	On 15:00 Hrs of 02.12.2024 through website www.eproc2.bihar.gov.in
Date of opening of Technical Part:	After 15:30 Hrs of 02.12.2024 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. Cost of EMD and cost of BOQ is to be paid through online mode i.e. Internet payment gateway (Credit/debit), Net banking, NEFT/RTGS to BSPTCL, Patna. However, EMD can also be deposited in form of BG in favour of Sr. Manager, F&A, BSPTCL, Patna.
2. Bid processing fee is to be paid through online mode i.e. Internet payment gateway (Credit/debit), Net banking, NEFT/RTGS to BSEDCL, Patna.
3. The estimated cost in BOQ, EMD & Cost of BOQ of the above mentioned works may vary.
4. Acknowledgement receipt of e-payment of EMD & BOQ shall be submitted in the office of Chief Engineer (Civil), BSPTCL, 4th floor, Vidyut Bhawan, Patna up to 15:00 Hrs of 02.12.2024.
5. The authority reserves the right to cancel the bid at any stage without assigning any reasons thereof.
6. 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.
7. Bidder should have valid GST and all other applicable tax registration certificate and copies of the same duly attested shall be furnished.
8. 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.

Sd/-
Chief Engineer (Civil)
BSPTCL

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.northbiharibills.org & bills.sbpdel.in

E-tendering introduced in BSPTCL for tenders above Rs. 10 lacs. For registration logon 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.-.....478..... / Patna

CE/CYTrans/1150/2024

Dated...24/10/2024.....

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

Chief Engineer (Civil)
BSPTCL

[Signature]



BIHAR STATE POWER TRANSMISSION COMPANY LIMITED

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

CIN-130102HR20125CH 018889

SAVE ENERGY FOR BENEFIT OF SELF AND NATION

Head Office, Vidhata Bhawan, Bailey Road, Patna-800011

Email address- civil_dept@bptcl.bihar.gov.in

Website- www.bptcl.in

Work order no. 01 / Civil/Patna,
CE(CY)Trans/1351/2024

Dated 24/01/2025

From,

Anjani Kumar
Chief Engineer (Civil)

To,

M/s Santosh Kumar Pathak,
S/O Mahendra Pathak
Add. - Ward No.-25,
Near Munsri Singh College, Chandmari, Motihari,
East Champaran, Bihar - 845401
Mail ID- santoshkumarpthakconstruction@gmail.com

Sub: - Work order for "Construction of Boundary wall, Earth Filling and Road with culvert in acquired land (for bay extension) at 132/33 KV GSS Phulparas"

Ref: - NIT No- 34/PR/BSPTCL/2024/ (Sl.No.-02).

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:** - "Construction of Boundary wall, Earth Filling and Road with culvert in acquired land (for bay extension) at 132/33 KV GSS Phulparas"
2. **Value of work:** - The value of the above work is Rs. 1,12,72,951.00 (Rupees One Crore Twelve Lakh Seventy-Two Thousand Nine Hundred and Fifty-One) only which has been quoted against the estimated cost i.e. Rs. 1,22,29,590.00 (Rupees One Crore Twenty-Two Lakh Twenty-Nine Thousand Five Hundred and Ninety) only. The above cost is including GST @ 18% and other taxes etc.
3. **Quoted Rate:** - Your quoted rate is 7.86% below (Seven Point Eighty-Six below) the estimated cost (excluding seigniorage fee).
4. **Security Deposit:** - You have to submit total Security Deposit @ 10% of the work value out of which you have already deposited Rs.2,45,000.00 (Rupees Two Lakh Forty-Five Thousand) only vide transaction no.-02090241BG000008 (BG), dt.-29.11.2024 as Earnest Money Deposit and Rs 3,20,000.00 (Rupees Three Lakh Twenty Thousand) only as Security Deposit vide transaction no.-02090241BG000012 (BO), dt.-18.01.2025 in favour of Senior Manager (F&A), BSPTCL. The balance 5% of the work value will be deducted from the running bills.
5. **Additional performance guarantee:** - You have submitted Additional Performance Guarantee amounting to Rs. 3,05,000/- (Rupees Three Lakh Five Thousand) only in form of BG bearing no.- 02090241BG000011, dt.-18.01.2025 in favour of Sr. Manager (F&A), BSPTCL, Patna. The additional performance guarantee shall be released after completion of the work.
6. **Refund of Security Deposit:** - The security will be refunded after the completion of defect liability period after getting a certificate from the Engineer-in-Charge in the prescribed format on the request of the contractor that the work been completed as per drawing and specification.
7. **Completion Time:** - 09 (Nine) months from the date of issue of work order or the handover of site, whichever is later.
8. **Defect Liability Period:** - Defect liability period shall be 06 (Six) months after completion of work.

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(P.T.O.)

9. **Terms of Payment:** - The paying authority will be Sr. Manager(F&A), BSPTCL, Patna. The bill in triplicate shall be prepared by concerned JE (Civil), checked by AE (Civil) & EE(Civil) and it will be forwarded to Sr. Manager (F&A), BSPTCL, Patna for payment & with an information to SE(Civil), HQ Patna. The bill shall also be entered in service entry receipt in SAP module.
10. **Work-in-Charge-** Work-in-charge for this work shall be EE (Civil), Transmission Civil Division Darbhanga, and SE (Civil), Transmission Civil Circle, Darbhanga at Division and Circle level respectively.
11. **Agreement:** - You have to execute an F-2 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,

Sd-
(Anjani Kumar)
Chief Engineer (Civil)

Memo No 22 / Patna

Dated 24/01/2025

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

(Anjani Kumar)
Chief Engineer (Civil)

Nty

Annexure-XL



Bihar State Power Transmission Company Limited (BSPTCL)

Technical Sanction, NIT, Word Order and essentials

Name of the Work –

“Construction of IB building (G+1) at Purnea”

GENERAL AND TECHNICAL REPORT

❖ Name of work	Construction of IB building (G+1) at Purnea
❖ NIT No.	05/PR/BSPTCL/2024
❖ Name of Agency	M/s Siya Enterprises & Construction
❖ Head	IRF (Capital), Civil Head

- This is regarding the work of construction of IB building (G+1) at 132/33 KV GSS, Purnea. Purnea district is geographically located in the border region of Bihar adjoining west Bengal. The distance of Purnea is more than 300 km far from capital Patna. There is an existing Inspection Bungalow (IB) consisting of 02 guest rooms in 132/33 KV GSS Purnea premises which is inadequate considering the fact that there is provision of 02 rooms only in the existing IB which is not sufficient from BSPTCL inspection/supervision requirements. Hence, an IB (G+1) has been required at GSS premises.
- The IB comprises of 04 nos. of guest room, one suite room, leaving area, lounge, kitchen, dining and receptions, etc.
- The preliminary estimation of IB has been received from the office of SE (C), TCC, Purnea vide letter no. - 08, dt.- 07.09.2023 of amounting to Rs.2,28,79,700.00 (Rupees Two Crore Twenty Eight Lakh Seventy Nine Thousand Seven Hundred) only.
- Received estimate has been checked on the basis of current CPWD plinth area rate w.e.f. 01.08.2023. The checked estimated cost is coming out to be Rs. 2,36,36,950.00 (Rupees Two Crore Thirty Six Lakh Thirty Six Thousand Nine Hundred Fifty) only. The estimation includes RCC framed structure for building, PHE work, Internal Electrification, Horticulture, A.C, Geyser, Refrigerator, T.V., R.O. water purifier, etc. The estimation cost is inclusive of GST @18%, contingency @ 3% and consultancy @ 3.5%.
- Technical sanction of the said work has been accorded by Chief Engineer (Civil) and subsequently financial concurrence to the tune of Rs. 2,36,36,950.00 has been accorded under IRF (Capital), Civil Head.
- 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.- 05/PR/BSPTCL/2024. Post tendering the work was awarded to L-1 bidder i.e. M/s Siya Enterprises & Construction, Patna vide W.O. No.- 15, dated- 11.03.2024.

Nishant Naveen
25.07.24

Assistant Engineer (Civil)


25.07.24

Executive Engineer (Civil)


28.07.24

Superintending Engineer (Civil)


29.07.24

Chief Engineer (Civil)

4

Name of work: Construction of IB Building(G+1) at Purnia						
Cost estimation based on CPWD plinth area rate						
SL No.		Description	Qty	Unit	Rate	Amount
1	1.1.1	RCC framed structure	506	m ²	30,820.00	15,594,920.00
2	1.3.4 & 1.3.3	Providing foundation depth 2.4m and plinth ht 1.6m (230*4+421*3)	260	m ²	2,183.00	567,580.00
3	1.6.2	Automatic Fire Alarm System	506	m ²	600.00	303,600.00
4	2.1	Internal Water Supply(4% of 1.1.1)	506	m ²	1,232.80	623,796.80
5	2.3	Internal electric installation (12.5% of 1.1.1)	506	m ²	3,852.50	1,949,365.00
6	5.9.1	Horticulture (grassing tree plantation/shrubs and potted plants etc)	500	m ²	312.00	156,000.00
7		AC, Gyser, Refrezrator, TV, RO	1	LOT	12,000	12,000.00
8		Provision of Lift	1	No.	1,724,000	1,724,000.00
9		Cement concrete pavement/Road	50	m ²	8,700	435,000.00
		Sub- total			6,61,912.85	640,987.85
10		Contingency @3%			9,11,233.36	882,426.61
11		Consultancy @3.5% i/c GST			2,36,36,908.67	22,889,676
		Total			Say	22,889,700.00
						2,36,36,950.00

Shrawan Kumar
05.09.2023
Junior Engineer (Civil)
Transmission Civil Division, Purnea

Checker

Shrawan Kumar
08/09/2023
Junior Engineer (Civil)
BSPTCL

Shrawan Kumar
05/09/2023
Junior Engineer (Civil)
Transmission Civil Division, Purnea

Shrawan Kumar
11/09/23

Ravi Rajan
07/09/23
Junior Engineer (Civil)
Transmission Civil Division, Purnea

TECHNICAL REPORT

An estimate amounting to Rs=2,28,89,700=00 (Rupees: Two Crore Twenty Eight Lakh Eighty-Nine Thousand and Seven Hundred only) has been framed to meet the expenditure of construction of new IB at 132/33 kV GSS Purnea. The above estimate has been prepared as per instruction & discussion with higher authorities concerned.

Old IB has been visited by higher authorities and found that the condition of Old IB building is not well. So, A new IB is Required.

The Plinth Area Rate, Govt. of India effective from 01/08/2023 has been adopted to frame this estimate.

It is requested that, technical sanction of the estimate may please be accorded at the earliest, so that needful action of execution of work may be taken.

[Signature]
05/09/2023
Junior Engineer (Civil)
Transmission Civil Division, Purnea

[Signature]
05/09/23
Assistant Engineer (Civil)
Transmission Civil Division, Purnea

[Signature]
05/09/23
Executive Engineer (Civil)
Transmission Civil Division, Purnea

[Signature]
08/09/2023
(Shrawan Kumar)
Junior Engineer (Civil)
BSPTCL

BIHAR STATE POWER TRANSMISSION CO. LTD. TECHNICAL DIVISION

Name of zone : Transmission Zone, Bhagalpur
 Name of Circle : Transmission Civil Circle, Purnea
 Name of Division : Transmission Civil Division, Purnea
 Name of work : Estimate for construction of new IB at 132/33 kV GSS Purnea.
 Arm of head : CIVIL
 Estimated cost : 2,36,36,350/-
 Rs=2,28,89,700=00 (Rupees: Two Crore Twenty Eight Lakh Eighty Nine Thousand and Seven Hundred only).

Subram 107
 05.09.2022
 Junior Engineer (Civil)
 Transmission Civil Division, Purnea

05/09/22
 Assistant Engineer (Civil)
 Transmission Civil Division, Purnea

Ravi Ranjan
 05/09/22
 Executive Engineer (Civil)
 Transmission Civil Division, Purnea

Shrawan
 05/09/22
 (Shrawan Kumar)
 Junior Engineer (Civil)
 BSPTCL

Kumar
 11-09-23
 (Vinay Kumar)
 EE (C), BSPTCL

Kumar Anand
 11-09-23
 KUMAR ANAND
 EE (C), BSPTCL

Kumar Chaitanya
 11-09-23
 Kumar Chaitanya
 EE (C), BSPTCL

Technically sanctioned for Rs. 2,36,36,350/- (Rupees Two Crore thirty six Lakh Thirty six Thousand Nine Hundred fifty) only.

09-11-23
 C.E. (CIVIL)
 ANJANI KUMAR
 CE (C) BSPTCL

Technically sanctioned for Rs. 2,36,36,350/- (Rupees Two Crore thirty six Lakh Thirty six Thousand Nine Hundred Fifty) only.

09-11-23



Bihar State Power Transmission Company Limited, Patna (Regd. office: Vidyut Bhawan, Bailey Road, Patna) CST No.: 10AAPC H23931171, CIN-11741 (MFR) 2012541018899 Email: civil.dept@bsptcl.bihar.gov.in, Contact No.: 7763817981, 7763817977 (Department of Civil of BSPTCL.)

NOTICE INVITING TENDER **NTT No: 19/PR/BSPTCL/2023**

(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 works noted below.

Sl. No.	Name of Work	Estimated Cost	E.M.D	Cost of BOQ (Non-refundable)	Completion time
1.	Construction of IB Building(1+1) at Patna.	Rs.2,27,23,700/-	Rs.4,54,520/-	Rs. 11,800/-	12 (Twelve) months

Bid submission start date and time:-	From 15:00 Hrs of 01.12.2023 through website www.eproc2.bihar.gov.in
Bid submission end date and time:-	On 15:00 Hrs of 22.12.2023 through website www.eproc2.bihar.gov.in
Date of opening of Technical Part:-	After 15:30 Hrs of 22.12.2023 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

- BG will be deposited as cost of EMD in favour of Senior Manager (Finance & Accounts), BSPTCL payable at Patna or through online mode i.e. Internet payment gateway (Credit/debit), Net banking, NEFT/RTGS to BSPTCL, Patna.
- Bid processing fee is to be paid through online mode i.e. Internet payment gateway (Credit/debit), Net banking, NEFT/RTGS to BSPTCL, Patna.
- Cost of BOQ is to be paid through online mode i.e. Internet payment gateway (Credit/debit), Net banking, NEFT/RTGS to BSPTCL, Patna.
- The estimated cost in BOQ, EMD & Cost of BOQ of the above mentioned works may vary.
- All original BG/ Acknowledgement receipt of e-payment of EMD & BOQ shall be submitted in the office of Chief Engineer (Civil), BSPTCL, 4th floor, Vidyut Bhawan, Patna up to 15:00 Hrs of 22.12.2023.
- The authority reserves the right to cancel the bid at any stage without assigning any reasons thereof.
- 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.
- Bidder should have valid GST and all other applicable tax registration certificate and copies of the same duly attested shall be furnished.
- 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.

[Signature]
19.11.23
Chief Engineer (Civil)
BSPTCL

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.northbiharbills.org & bills.sbpdel.in

E-tendering introduced in BSPTCL for tenders above Rs. 10 lacs. For registration logon 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.- 477/CE(C)/Trans/1231/2023

Dated : 14/11/2023

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

[Signature]
19.11.23
Chief Engineer (Civil)
BSPTCL



BIHAR STATE POWER TRANSMISSION COMPANY LIMITED

A subsidiary company of Bihar State Power Corporation Limited
CIN- U74110BR

(SAVE ENERGY FOR BENEVOLENCE)
Head Office, Vidyalaya Bhawan, Bailey Road, Patna-800021

Email: bsptcl@bsptcl.bihar.gov.in Website: www.bsptcl.in

ON COMPANY LIMITED

Company Ltd. Patna
800021
AND NATION

Work Order No. 15 CIVIL
CE(C)/Trans/1231/2023

Dated 11/02/2024

From,
Anjani Kumar,
Chief Engineer (Civil)

To,
M/s Siya Enterprises and Construction,
At-102, Sidhi Vinayak apartment,
Gola road, T-point,
Danapur, Patna-801503
Email id:-krishnamurthypatna@gmail.com

Sub:- Work order for the work "Construction of IB building (G+1) at Purnea."

Ref:- NIT- 05/PR/BSPTCL/2024.

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

1. **Scope of work:** - Construction of IB building (G+1) at Purnea.
2. **Value of work:** - The value of the above work is Rs. 2,25,80,243.51 (Rupees Two Crore Twenty-Five Lac Eighty Thousand Two Hundred Forty Three and Paise Fifty One) only which has been quoted against the estimated cost i.e. Rs. 2,27,25,700/- (Rupees Two Crore Twenty Seven Lac Twenty Five Thousand Seven Hundred) only. The above cost is including GST @ 18% and other taxes etc.
3. **Quoted rate:** - Your quoted rate is 1.51% Below (One point Fifty-One) the estimated cost for SOR items.
4. **Security deposit:** - You will have to pay security deposit @10% of the work value out of which you already deposited Rs. 4,54,520/- as EMD vide UTR/ Remittance no. PUNBR52024022214848576 dt. 19.02.2024. The remaining 8% of the work value will be deducted from your running bills.
5. **Additional performance guarantee:** - You will have to submit Additional Performance Guarantee amounting to Rs. 85,300/- (Rupees Eighty Five Thousand Three Hundred) only in form of DD/BG in favour of Sr. Manager (F&A), BSPTCL, Patna, before execution of agreement as per SBD. It shall be released after successfully 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.
7. **Completion time:** - 12 (Twelve) months from the date of issue of work order or the handover of site, whichever is later.

(P.T.O.)

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 Sr. Manager (F&A), 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. The bill shall also be entered in service entry sheet in SAP module.

10. **Work-in-charge:** - Work-in-charge for this work shall be SE (Civil), Transmission civil circle, Purnea & EE (Civil), Transmission civil division, Purnea at circle and division level respectively.

11. **Agreement:** - You have to execute SBD agreement within 15 (fifteen) days of issue of work order.

12. Test reports pertaining to brickwork, RCC, PCC etc. as applicable shall be submitted along with the bills.

13. **General terms and condition:** - All the terms and conditions enumerated in agreement & tender document will 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,

(Anjani Kumar)

Chief Engineer (Civil)

Dated 11/03/2024

Memo No. 144 Patna,

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

(Anjani Kumar)

Chief Engineer(Civil)

Bihar State Power Transmission Company Limited

2nd Deviation of IB Building (G+1) at Purnea

Sl.no	Item of work	Quantity as per Agreement	Unit	Rate in Rs./Unit	Agreemental Amount	1st Deviation Qty	2nd Deviation Qty	Amount after 2nd Deviation (in Rs.)
1	Surface dressing of the ground including removing vegetation and inequalities not exceeding 15 cm deep and disposal of rubbish, lead upto 50 m and lift upto 1.5 m.							
	All kinds of soil	7.500	100sqm	1402.340	10,517.55	7.500	7.500	10,517.55
2	Earth work in excavation in foundation trenches or drains (not exceeding 1.5m in width or 10 sqm on plan) including dressing of sides and ramming of bottoms, lift up to 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m.							
	All kinds of soil	109.660	cum	373.190	40,924.02	472.504	473.983	1,76,885.67
3	Filling available excavated earth (exclude rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20 cm in depth consolidating each deposited layer by ramming and watering lead	66.410	cum	128.190	8,513.10	111.854	422.530	54,164.10
4	Supplying and filling in plinth with local sand under floors including, watering, ramming consolidating and dressing complete.	167.170	cum	297.250	49,691.28	225.520	203.932	60,618.92
5	Brick work with fly ash bricks as per IS 12894(2002) & IS 3495 in foundations and plinth in :							
	cement mortar 1:6 (1 cement : 6 coarse sand)	111.250	cum	5093.500	5,66,651.88	196.390	179.199	9,12,751.38
6	Extra for Brick work in superstructure above plinth level upto floor V cum.	97.000	cum	871.360	84,521.92	196.390	155.990	1,35,923.37
7	Half brick masonry with non modular fly ash bricks of class designation 10, conforming IS :12894, in superstructure above plinth and upto floor V level.							
	Cement mortar 1 : 4 (1 cement : 4 coarse sand)	534.000	sqm	725.070	3,87,187.38	38.110	62.814	45,544.37
8	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering-all work upto plinth level.							
	1:4:8 (1 cement: 4 coarse sand: 8 graded stone aggregate 40mm nominal size)	45.290	cum	3078.240	1,39,413.49	35.356	37.137	1,14,318.10
9	Providing and laying damp-proof Course 50 mm thick with cement concrete 1:2:4(1cement:2:2 coarse sand :4 graded stone aggregate 20mm nominal size)	45.500	sqm	254.110	11,562.01	44.838	44.838	11,393.66
10	Extra for providing and mixing water proofing material in cement concrete work @ 1 kg per 50kg of cement.	14.560	kg	59.140	861.08	14.840	14.348	848.54
11	Applying a coat of residual petroleum bitumen of grade of VG-10 of approved quality using 1.7 kg. per square metre on damp proof course after cleaning the surface with brushes and finally with a piece of cloth lightly soaked in kerosene oil.	45.500	Sqm	148.680	6,764.94	44.838	44.838	6,666.44
12	Making plinth protection 50 mm thick of cement concrete 1:3:6 (1 cement :3 coarse sand : 6 graded stone aggregate 20 mm nominal size) over 75 mm thick bed of dry brick ballast 40 mm nominal size, well rammed and consolidated and grouted with fine sand, including finishing the top smooth.	64.800	sqm	451.720	29,271.46	58.650	58.650	26,493.38

13	Providing and laying in position ready mixed or site batched design mix cement concrete for reinforced cement concrete work; using coarse aggregate and fine aggregate derived from natural sources, Portland Pozzolana /Ordinary Portland /Portland slag cement, admixtures in recommended proportions as per IS: 9103 to accelerate /retard setting of concrete, to improve durability and workability without impairing strength; including pumping of concrete to site of laying, curing, carriage for all leads; but excluding the cost of centering, shuttering, finishing and reinforcement as per direction of the engineer-in-charge; for the following grades of concrete. Note: Extra cement up to 10% of the minimum specified cement content in design mix shall be payable separately. In case the cement content in design mix is more than 110% of the specified minimum cement content, the contractor shall have discretion to either re-design the mix or bear the cost of extra cement.							
A	All work upto plinth level							
a	Concrete of M-25 grade with minimum cement content of 330	106.270	cum	5238.770	5,51,485.32	122.355	112.535	5,89,439.07
B	All work above Plinth level upto floor V level.							
b	Concrete of M-25 grade with minimum cement content of 330 kg/cum	214.550	cum	6066.270	13,01,518.23	214.930	327.843	19,88,785.26
14	Centering and shuttering- including strutting, propping etc. and removal of form for:							
a	Foundations, footings, bases of columns etc. for mass concrete	49.280	sqm	218.930	10,788.87	348.860	66.980	14,663.93
b	Suspended floors, roofs, landings, balconies and access platform.	759.780	sqm	452.690	3,43,914.42	663.617	696.792	3,14,950.38
c	Lintels, beams, plinth beams, girders, bressumers and cantilevers	1052.590	sqm	418.720	4,40,740.48	411.400	782.775	3,27,763.95
d	Columns, Piers, Piers, Abutments, Posts and Struts	241.440	sqm	511.520	1,23,501.39	481.500	542.620	2,77,560.98
e	Stairs (excluding landings) except spiral-staircases.	52.200	sqm	511.520	26,701.34	16.020	11.280	5,769.93
f	Edges of slabs and breaks in floors and walls under 20 cms wide	236.000	m	134.710	33,791.56	203.540	94.450	12,723.36
15	Providing precast cement concrete (all 1:2:4 (1 cement:2 coarse sand:4 stone aggregate 8mm 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 jambs, sills and soffits.							
	90 mm thick	5.300	sqm	1059.510	5,827.40	12.000	9.300	10,225.44
16	Reinforcement for R.C.C work including straightening, cutting, bending, fixing in position and binding all complete.							
a	Thermo-Mechanically Treated bars TMTC-500-8mm dia	4708.510	kg	97.770	4,60,351.02	7917.601	6299.459	6,10,031.88
b	Thermo-Mechanically Treated bars TMTC-500-10mm dia	4708.510	kg	95.810	4,51,122.34	6756.915	6748.899	6,46,611.98
c	Thermo-Mechanically Treated bars TMTC-500-12mm dia	6278.020	kg	93.940	5,89,757.20	869.038	1525.525	1,43,307.77
d	Thermo-Mechanically Treated bars TMT Fe-500-16mm dia	6278.020	kg	94.880	5,95,658.54	10059.131	9633.812	9,14,056.08
e	Thermo-Mechanically Treated bars TMT Fe-500-20mm dia	4708.510	kg	94.880	4,46,743.43	8688.093	3604.106	9,30,713.59
f	Thermo-Mechanically Treated bars TMT Fe-500-25mm dia	4708.510	kg	94.880	4,46,743.43	2304.035	2620.795	2,48,657.24
17	Providing destination 100 A one brick flat soiling joints filled with local sand including cost of watering taxes, royalty all complete as per building specification and direction of E.O.	264.800	sqm	293.110	77,615.53	518.345	534.267	1,58,598.85
18	Providing wood work in frames of doors, windows, dershory windows and other frames, wrought framed and fixed in position with hold fast lugs or with dash fasteners of required dia & length (hold fast lugs or dash fastener shall be paid for separately).							
	Sai wood	4.2929	cum	88984.150	4,24,929.06	4.2929	1.2473	1,23,657.95

19	Providing 400 mm flat iron hold fast 40 cm long including fixing to frame with 10 mm diameter bolts, nuts and wooden plugs and embeddings in cement concrete block 300x150x15 on 1:3:6 mix (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size)	26.000	each	135.330	3,518.58	26.000	66.000	8,991.78
20	Providing and fixing 35 mm thick factory made laminated veneer lumber door shutter conforming to IS : 14616 and TADS 15:2001 (Part 8) including ISI marked M.S. pressed butt hinges bright finished of required size with necessary screws, all complete as per directions of Engineer-in-Charge and paneling with panels of							
	12 mm thick prelaminated (with decorative lamination on one side and balancing lamination on other side) particle board Grade -1 medium density flat pressed, three layer and graded (FPT-1) conforming to IS :1087 bonded with BWP type synthetic resin adhesive as per IS :848 and prelamination conforming to IS :12823 Grade-1 (Type II)	29.610	sqm	2996.160	88,686.09	29.610	68.973	2,06,585.17
21	Providing and fixing aluminium tower bolts ISI Marked anodised (anodic coating not less than grade AC 10 as per IS:1868) transparent or dyed to required colour or shade with necessary screws etc. complete.							
	300x10mm	52.000	Each	115.280	5,993.52	52.000	66.000	7,607.16
22	Providing and fixing aluminium handles, ISI Marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade, with necessary screws etc. complete.							
	100 mm	28.000	Each	52.040	1,353.04	28.000	66.000	3,434.64
23	Providing and fixing aluminium hanging floor door stopper -ISI Marked anodised (anodic coating not less than grade AC 10 as per IS:1868) transparent or dyed to required colour and shade with necessary screws etc. complete.							
	Twin rubber stopper	26.000	Each	62.910	1,635.66	26.000	33.000	2,076.03
24	Providing and fixing bright finished brass 100mm mortice latch and lock with six levers and a pair of anodised (anodic coating not less than grade AC 10 as per IS:1868) aluminium lever handles with necessary screws etc. complete (best make of approved quality)	13.000	Each	678.100	8,815.30	13.000	33.000	22,377.30
25	Providing and fixing factory made PVC door frame made of PVC extruded sections of size 75 mm x 53 mm, having wall thickness 2.0 mm (± 0.2 mm). Both vertical sides of the frame reinforced with PVC profile of cross section size 28 mm x 30 mm x 2 mm thickness (± 0.2 mm) and 75 mm x 200 mm long, including reinforcing both ends of the top frame with PVC profile. PVC Door Frame and PVC reinforcement profile to be mitred cut jointed and fusion welded together, including providing and fixing 3 nos of 125 mm long stainless steel hinges to frame, fixing the frame with jamb with required nos & sizes of anchor dash fastener, all complete as per manufacturer's specification and direction of Engineer-in-Charge.	64.350	m	602.470	38,768.94	64.350	36.000	21,688.92

26	Providing and fixing 37 mm thick factory made PVC door shutter, styles and rails made of PVC hollow extruded printed and laminated section having overall dimension 115 mm x 37 mm with wall thickness 2 mm (± 0.2 mm) with inbuilt beading on one side, the styles and rails mitred cut and joint at corners by inserting 2 nos PVC profile reinforcement of size 75 mm x 200 mm long with cross section size of 28 mm x 30 mm having wall thickness 2 mm (± 0.2 mm). Styles, rails and reinforcements to be fusion welded together. Only hinge side vertical style to be reinforced with PVC profile reinforcement in full length. Printed and laminated PVC lock rail of size 110 mm x 37 mm having wall thickness 2 mm (± 0.2 mm) to be welded horizontally with the vertical styles after inserting PVC profile reinforcement as in styles and rails, providing with PVC snap fit beading, panels of 100 x 20 mm printed & laminated and inserting 2 nos 6 mm dia bright steel rod horizontally with both side threaded and tightened with check nuts and washers complete, all as per manufacturer's specification and direction of engineer-in-charge.	20.480	sqm	3923.850	80,360.45	20.480	20.160	79,104.82
27	Providing and fixing factory made uPVC white colour sliding glazed window upto 1.50 m in height dimension comprising of uPVC multi-chambered frame with in-built roller track and sash extruded profiles duly reinforced with 1.60 $\pm$ 0.2 mm thick galvanized mild steel section made from roll forming process of required length (shape & size according to uPVC profile), appropriate dimension of uPVC extruded glazing beads and uPVC extruded interlocks, EPDM gasket, wool pile, zinc alloy (white powder coated) touch locks with hook, zinc alloy body with single nylon rollers (weight bearing capacity to be 40 kg), 6:1 fasteners 100 x 8 mm size for fixing frame to finished wall and necessary stainless steel screws etc. Profile of frame & sash shall be mitred out and fusion welded at all corners, 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, wire mesh and silicon sealant shall be paid separately) Note: For uPVC frame and sash							
	Two track two panels sliding window made of (small series) frame 52 x 44 mm & sash 32 x 60 mm both having wall thickness of 1.5 $\pm$ 0.2 mm and single glazing bead of appropriate dimension. (Area of window upto 5.75 sqm).	9.000	sgm	7319.930	65,879.37	9.000	8.790	64,342.18

28	Providing and fixing factory made uPVC white colour sliding glazed window above 1.50 m in height dimension comprising of uPVC multi-chambered frame with in-built roller track and sash 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), appropriate dimension of uPVC extruded glazing beads, uPVC extruded interlocks and uPVC extruded inline sash adaptor (if required), EPDM gasket, wool pile, zinc alloy (white powder coated) handle on one side of extreme panel along with zinc plated mild steel multi point locking having transmission gear with keeps, zinc alloy (white powder coated) touch lock with hook (if required for wire mesh panel), stainless steel (SS 304 grade) body with adjustable double nylon rollers (weight bearing capacity to be 120 kg), G.I fasteners 100 x 8 mm size for fixing frame to finished wall and necessary stainless steel screws etc. Profile of frame & sash shall be mitred cut and fusion welded at all corners, 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							
	Two track four panels sliding window made of (big series) frame 67 x 50 mm & sash 46 x 62 mm both having wall thickness of 2.3 ± 0.2 mm and single glazing bead / double glazing bead of appropriate dimension. (Area of window above 4.00 sqm upto 8.00 sqm)	55.940	Sqm	6439.980	3,60,252.48	55.940	18.900	1,21,715.62
29	Providing and fixing factory made uPVC white colour sliding glazed door comprising of uPVC multi-chambered frame with in-built roller track and sash 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), appropriate dimension uPVC extruded glazing beads, uPVC extruded interlock and uPVC extruded inline sash adaptor (if required), EPDM gasket, wool pile, zinc alloy (white powder coated) handle with key on one side of extreme panels along with zinc plated mild steel multi point locking having transmission gear with keeps, zinc alloy (white powder coated) preset lock (if required), stainless steel (SS 304 grade) body with adjustable double nylon rollers (weight bearing capacity to be 120 kg), G.I fasteners 100 x 8 mm size for fixing frame to finished wall and necessary stainless steel screws etc. Profile of frame & sash shall be mitred cut and fusion welded at all corners, 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							
	Two track two panels sliding door made of (big series) frame 67 x 50 mm & sash 46 x 82 mm both having wall thickness of 2.3 ± 0.2 mm and single glazing bead / double glazing bead of appropriate dimension. (Area of door above 2.00 sqm upto 5.00 sqm)	25.200	sqm	6626.620	1,66,990.82	25.200	0.000	
30	Non staining water resistant clear silicon	249.900	m	0.000	-	249.900	249.900	-
31	Hematically sealed double glazed unit made with 6mm thick clear float glass both side having 12 mm air gap	111.920	Sqm	0.000	-	111.920	0.000	-
32	Providing and fixing 18 mm thick gang saw cut, mirror polished, pre-moulded and prepolished, machine cut for kitchen platforms, vanity counters, window sills, facias and similar locations, of required size, approved shade, colour and texture laid over 20 mm thick base cement mortar 1:4 (1 cement 4 coarse sand), joints treated with white cement, mixed with matching pigment, epoxy touch ups, including rubbing, curing, moulding and polishing to edges to give high gloss finish etc. complete at all levels							
A	Granite of any colour and shade							

a	Area of slab upto 0.50 sqm	3.780	sqm	4389.910	16,593.86	3.780	2.730	31,988.45
b	Area of slab over 0.50 sqm	10.980	sqm	4553.630	49,998.86	10.980	9.623	43,817.30
23	Providing edge moulding to 18 mm thick marble stone counters, vanities etc., including machine polishing to edge to give high gloss finish etc. complete as per design approved by Engineer-in-Charge.							
a	Granite black	14.760	m	269.110	3,972.06	14.760	8.000	3,152.88
34	Providing and laying Polished Granite stone flooring in required design and patterns, in linear as well as curvilinear portions of the building all complete as per the architectural drawings with 18 mm thick stone slab over 20 mm (average) thick base of cement mortar 1:4 (1 cement : 4 coarse sand) laid and jointed with cement slurry and pointing with white cement slurry admixed with pigment of matching shade including rubbing, curing and polishing etc. all complete as specified and as directed by the Engineer-in-Charge.							
	Polished Granite stone slab jet Black, Cherry Red, Blue Brown, Cat Eye or equivalent.	178.130	sqm	3730.060	6,64,435.59	178.130	25.380	94,668.92
35	Providing and laying Vitrified tiles in floor in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS:15622, of approved brand & manufacturer, in all colours and shade, laid on 20 mm thick cement mortar 1:4 (1 cement : 4 coarse sand) jointing with grey cement slurry @2.3 kg/sqm including grouting the joints with white cement and matching pigments etc. The tiles must be cut with the zero chipping diamond cutter only. Laying of tiles will be done with the notch trowel, pier, wedge, clips of required thickness, leveling system and rubber mallet for placing the tiles gently and easily.							
a	Glossed vitrified floor tiles polished finish of size							
b	Size of Tile 600 x 600 mm	787.500	sqm	1119.160	8,81,338.90	787.500	0.000	-
c	Glossed Vitrified tiles Matt/ Antiskid finish of size							
d	Size of Tile 600 x 600 mm	88.520	sqm	1090.810	96,558.50	88.520	562.667	6,13,761.19
36	Providing and laying Vitrified tiles in different sizes (thickness to be specified by manufacturer), with water absorption less than 0.08 % and conforming to I.S. 15622, of approved make, in all colours & shade, in skirting, riser of steps, over 12 mm thick bed of cement mortar 1:3 (1 cement : 3 coarse sand), including grouting the joints with white cement & matching pigments etc. complete.							
	Size of Tile 600x600 mm	271.830	sqm	1233.080	3,35,188.14	271.830	221.190	2,72,744.46
37	12mm cement plaster of mix:							
	1:6 (1 cement : 6 coarse sand)	699.600	sqm	146.400	1,02,623.44	945.215	814.279	1,19,210.45
38	20mm cement plaster of mix:							
	1:4 (1 cement : 4 coarse sand)	865.310	sqm	217.170	1,87,919.37	945.215	437.470	95,005.36
39	6mm cement plaster to ceiling of mix:							
	1:4 (1 cement : 4 coarse sand)	730.000	sqm	129.950	94,863.50	522.725	440.779	57,278.23
40	Extra for providing and mixing water proofing material in proportion recommended by the manufacturers:							
	20mm cement plaster 1:4 (1 cement : 4 sand)	865.310	sqm	10.450	9,042.49	945.215	437.470	4,570.56
41	Providing and applying white cement based putty of average thickness 2 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete.	1429.600	sqm	109.050	1,55,897.88	1429.600	1255.058	1,36,864.07
42	Wall painting with plastic emulsion paint of approved brand and manufacture to give an even shade.							
	Two or more coat on new surface	1429.600	sqm	89.390	1,27,791.94	1429.600	1255.058	1,12,789.63
43	Finishing walls with textured exterior paint of required shade							
	New work (Two or more coats applied @ 3.28 lit/ 10 sqm) over and including priming coat of exterior primer applied @ 2.20 kg/ 10 sqm	432.660	sqm	222.650	96,331.75	432.660	437.470	97,402.70
44	Supplying and filling good quality cinder in downslabs etc., all complete as per building specification and direction of E.I.	26.560	cum	634.180	16,843.82	26.560	13.730	8,706.97