

BOQ Cum Price Schedule (Annexure-I)

Name of the Work:-Execution & handing over of balance Civil works of GIS & Control Room Building at 400kV GIS substation at Ennore SEZ in Tamilnadu.

S.No.	Description of Item	Quantity	Unit	Unit Rate (Rs.)	Total Amount (Rs.)
1(a)	Earthwork in excavation by mechanical means(Hydraulic excavator)/manual means over areas (exceeding 30cm in depth 1.5m in width as well as 10sqm on plan) including dewatering as necessary of rain water/subsoil seepage water and disposal of excavated earth upto 100m, disposed earth to be levelled and neatly dressed. All kinds of soil- upto 4m depth	30	cum	155.40	4662
1(b)	Earthwork in excavation by mechanical means(Hydraulic excavator)/manual means over areas (exceeding 30cm in depth 1.5m in width as well as 10sqm on plan) including dewatering as necessary of rain water/subsoil seepage water and disposal of excavated earth upto 100m, disposed earth to be levelled and neatly dressed. All kinds of soil- extra for additional 4m to 6m depth	5	cum	55.50	278
2(a)	Earthwork in excavation by mechanical means (Hydraulic excavator)/manual means in foundation trenches or drains (not exceeding 1.5m in width as well as 10sqm on plan) including dewatering as necessary of rain water/subsoil seepage water and dressing of sides and ramming of bottoms, lift upto 3.5m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 100m. All kinds of soil .	430	cum	157.20	67596
3	Filling available excavated earth (including rock) in trenches, plinth, sides of foundations, etc., in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead upto 100m and lift upto 3.5m.	400	cum	100.70	40280
4(a)	Carriage & disposal of surplus excavated earth/rock beyond initial lead by mechanical means not necessarily all the times on pucca roads, including loading, unloading, dressing of excavated material, etc., complete as per specifications -. Lead upto 1 km.	352.274	cum	99.50	35051
4(b)	Carriage & disposal of surplus excavated earth/rock beyond initial lead by mechanical means not necessarily all the times on pucca roads, including loading, unloading, dressing of excavated material, etc., complete as per specifications -. Lead upto 3 km.	10	cum	126.10	1261
4(c)	Carriage & disposal of surplus excavated earth/rock beyond initial lead by mechanical means not necessarily all the times on pucca roads, including loading, unloading, dressing of excavated material, etc., complete as per specifications -. Lead upto 5 km.	10	cum	151.40	1514
5	Supplying and filling in plinth with Jamuna/local sand under floors including watering, ramming, consolidating and dressing complete.	675	cum	900.60	607905
6	Supplying chemical emulsion in sealed containers including delivery as specified. Chloropyriphos emulsifiable concentrate of 20%	300	litre	223.50	67050

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7	Diluting & injecting chemical emulsion for PRE-CONSTRUCTIONAL ANTI-TERMITE treatment and creating a continuous chemical barrier under and all around the column pits, wall trenches, basement excavation, top surface of plinth filling, junction of wall & floor, along the external perimeter of building, expansion joints, over the top surface of consolidated earth on which apron is to be laid, surroundings of pipes and conduits, etc complete as per specifications (Plinth area of the building at ground floor only shall be measured for payment)	2100	sqm	106.00	222600
8(a)	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work upto plinth level. Concrete grade M15 .	20	cum	5425.40	108508
8(b)	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work upto plinth level. 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40mm nominal size)	30	cum	4836.40	145092
8(c)	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)	10	cum	4318.70	43187
9	Providing and laying damp proof course 50mm thick cement concrete 1:1.5:3 (1 Cement:1.5 coarse sand : 3 graded stone aggregate 12.5 mm nominal size) .	73.29	sqm	306.10	22434
10	Extra for providing and mixing water proofing material of zydex,sika or similar make in cement concrete work @ 1kg per 50kg of cement.	250	per 50kg cement	42.50	10625
11(a)	Providing and laying in position machine batched and machine mixed design mix M-25 grade cement concrete for reinforced cement concrete work, using cement content as per approved design mix, including pumping of concrete to site of laying but excluding the cost of centering, shuttering, finishing and reinforcement, including admixtures in recommended proportions as per IS: 9103 to accelerate, retard setting of concrete, improve workability without impairing strength and durability as per direction of Engineer-in-charge. (Note :- Cement content considered in this item is @ 330 kg/cum. Excess/less cement used as per design mix is payable/recoverable separately). All works upto plinth level	325	cum	6300.60	2047695

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11(b)	Providing and laying in position machine batched and machine mixed design mix M-25 grade cement concrete for reinforced cement concrete work, using cement content as per approved design mix, including pumping of concrete to site of laying but excluding the cost of centering, shuttering, finishing and reinforcement, including admixtures in recommended proportions as per IS: 9103 to accelerate, retard setting of concrete, improve workability without impairing strength and durability as per direction of Engineer-in-charge. (Note :- Cement content considered in this item is @ 330 kg/cum. Excess/less cement used as per design mix is payable/recoverable separately). All works above plinth level upto floor V level	750	cum	6948.80	5211600
12	Add for using extra cement in the items of design mix over and above the specified cement content therein.	421.72	quintal	708.90	298957
12 (a)	Providing M-30 grade concrete instead of M-25 grade BMC/RMC.(Cement content in M-30 shall be min @340kg/cum)	1622	cum	63.80	103484
13	Providing and laying M20 reinforced cement concrete in ground floor grade slab excluding the cost of centring,shuttering, finishing and reinforcement.	600	cum	6123.50	3674100
14	Providing ,laying and compacting 230mm thick stone base under the floors as per direction of Engineer-in-Charge.	600	cum	900.60	540360
15(a)	Centering and shuttering including strutting, propping, etc., and removal of form at all heights for. Foundations, footings, bases of columns, etc., for mass concrete.	400	sqm	200.60	80240
15(b)	Centering and shuttering including strutting, propping, etc., and removal of form at all heights for. Columns, Pillars, Piers, Abutments, Posts and Struts	1800	sqm	439.50	791100
15(c)	Centering and shuttering including strutting, propping, etc., and removal of form at all heights for.	150	sqm	342.70	51405
15(d)	Centering and shuttering including strutting, propping, etc., and removal of form at all heights for. Suspended floors, roofs, landings, balconies and access platform	3000	sqm	374.00	1122000
15(e)	Centering and shuttering including strutting, propping, etc., and removal of form at all heights for. Lintels, beams, plinth beams, girders, bressumers and cantilevers	3000	sqm	315.20	945600
15(f)	Centering and shuttering including strutting, propping, etc., and removal of form at all heights for. Stairs (excluding landing)	300	sqm	392.20	117660
15(g)	Extra for additional height in centering, shuttering where ever required with adequate bracing, propping etc., including cost of de-shuttering and decentering at all levels, over a height of 3.5 m, for every additional height of 1 metre or part thereof -- Suspended floors, roofs, landing, beams and balconies (Plan area to be measured)	8300	sqm	146.30	1214290
16(a)	Steel reinforcement -Cold twisted bars /TMT/HCR Including supply, straightning, cutting and bending, binding (i/c cost of binding wire), placing in position, etc., all labour & material, complete.	3000	kg	58.40	175200

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16(b)	Steel reinforcement -Cold twisted bars /TMT/HCR Excluding supply but including straightning, cutting, bending, binding (i/c cost of binding wire), placing in position, etc., all labour & material, complete. (Reinforcement steel shall be supplied by BHEL free of cost)	185000	kg	9.00	1665000
17	Extra over item 16 (a) & (b) for providing FUSION BONDED EPOXY COATING as per IS:13620 including the transportation of reinforcement steel to bidder's plant and bringing back to site and special handling during straightening, cutting, bending, placing and providing PVC coated binding wire.	200000	kg	11.90	2380000
18(a)	Brickwork with Fly ash bricks of class designation 75 in foundation and plinth in: Cement mortar 1:5 (1 cement : 5 coarse sand)	100	cum	4101.30	410130
19(a)	Brickwork with Fly ash bricks of class designation 75 in superstructure above plinth level upto V level in all shapes and sizes: Cement mortar 1:5 (1 cement : 5 coarse sand)	1000	cum	4773.90	4773900
20(a)	Half brick masonry with Fly ash bricks of class designation 75 in foundation and plinth in: Cement mortar 1:4 (1 cement : 4 coarse sand)	75	sqm	501.10	37583
21(a)	Half brick masonry with Fly Ash bricks of class designation 75 in superstructure above plinth upto floor V level. Cement mortar 1:4 (1 cement : 4 coarse sand)	150	sqm	573.10	85965
22	20 mm cement external (or rough side) plaster in two coats under layer 12 mm thick cement plaster 1:3 (1 cement : 3 coarse sand) finished with a top layer 8 mm thick cement plaster 1:2 (1 cement : 2 fine sand).	2700	sqm	238.20	643140
23(a)	12mm cement plaster internal (or even side) of the walls in the mix: 1:3 (1 cement : 3 coarse sand)	3530	sqm	197.70	697881
24(a)	6mm cement plaster to ceiling of mix. 1:3 (1 cement : 3 fine sand)	2880	sqm	121.40	349632
25	2mm thick plaster of paris punning over the plastered surfaces on wall surfaces as directed by engineer-in-charge.	10500	sqm	100.70	1057350
26	Plaster drip course /groove in plastered surface or moulding to RCC projections:	450	meter	26.80	12060
27(a)	Applying priming coat With zinc silicate primer of approved brand and manufacture on steel works.	450	sqm	24.90	11205
28(a)	Providing and fixing 18 mm thick gang saw cut, mirror polished, premoulded 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. Granite of any colour and shade	90	sqm	3655.20	328968

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29	Structural steelwork welded in built up sections like edge protection angles,insert plates with lugs & framed work including providing, cutting, hoisting, fixing in position/ embedding in concrete and applying a priming coat of approved steel primer all complete.	4500	kg	72.00	324000
30(a)	Steelwork welded in built up sections/framed work including providing ,cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc., as required. In covering of floors/trenches inside the buildings with chequered plates, stringers, treads, landings etc of staircases involving use of chequered plates, wherever required, all complete.	15000	kg	80.80	1212000
30(b)	Steelwork welded in built up sections/framed work including providing ,cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc., as required. In gratings, rails ,mono rails, frames, ladders, stair railings, gates(including pipe) ,gantry girder(beams,channels etc), and similar works.	48000	kg	93.70	4497600
31(a)	Cement concrete flooring 1:2:4 (1cement : 2 coarse sand : 4 graded stone aggregate) finished with a floating coat of neat cement including cement slurry, but excluding the cost of nosing of steps, etc., complete. 50mm thick with 12.5mm nominal size stone aggregate.	150	sqm	336.70	50505
32	52mm thick CC flooring with concrete hardner topping under layer 40mm thick CC 1:2:4 (1cement:2 coarse sand: 4 stone aggregate 20mm nominal size) and top layer 12 mm thick Hardcrete cement hardner consisting of mix 1:2 (1 cement hardner mix: 2 stone aggregate 6mm nominal size) by volume with which hardening compound of approved quality is mixed @ 2 liter per 50 Kg of cement including cement slurry, but excluding the cost of nosing of steps etc., complete.	2700	sqm	505.40	1364580
33(a)	Cement plaster skirting (upto 30cm height) with cement mortar 1:3 (1cement: 3 coarse sand) finished with a floating coat of neat cement. 18mm thick	120	sqm	310.40	37248
34	Precast terrazo tiles 22 mm thick with graded marble chips of size upto 12mm laid in floors,and landings,joined with neat cement slurry mixed with pigment to match the shade of the tiles including rubbing and polishing complete with precast tiles on 30mm thick bed of cement mortar 1:4 (1 cement: 4 coarse sand) Light shade using white cement	150	sqm	924.60	138690
35	Precast terrazo tiles 22 mm thick with graded marble chips of size upto 12mm laid in skirting and risers of steps not exceeding 30 cm in height on 12mm cement plaster 1:3(1 cement :3 coarse sand),joined with neat cement slurry mixed with pigment to match the shade of the tiles including rubbing and polishing complete with precast tiles of : Light shade using white cement	60	sqm	1162.00	69720

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36	Marble chips skirting rubbed and polished to granolithic finish, top layer 6 mm thick with white, black, chocolate, grey, yellow or green marble chips of sizes from smallest to 4 mm nominal size, laid in cement (white or with pigment) marble powder mix 3:1 (3 cement : 1 marble powder) by weight in proportion of 4:7 (4 cement marble powder mix : 7 marble chips) by volume : 25 mm thick with under layer 19 mm thick in cement plaster 1:3 (1 cement : 3 coarse sand) :	90	sqm	744.80	67032
37	Providing & fixing chemical resistant (Acid & Alkali) Tiles as per IS 4457 of minimum thickness 25mm thick in flooring/Dado. The tiles shall be abrasion resistant and durable. The potassium silicate as per IS 4832, 6mm thick mortar used for setting or for under bed shall be durable strong and chemical resistant epoxy mortar including pointing etc. after laying bitumen primer as per IS 158 and 12mm thick bitumastic complete as per IS 9510 and IS 412 and as per specification.	225	sqm	3231.90	727178
38	Providing and laying 1st quality ceramic glazed tiles 300X300 mm conforming to IS:15622 of minimum thickness 7 mm of approved make and colours laid over 20 mm thick bed of Cement mortar 1:4 (1 Cement:4 coarse sand) including pointing in white cement mixed with pigment of matching shade complete.	150	sqm	918.90	137835
39	Providing and fixing 1st quality ceramic glazed tiles conforming to IS:15622 of minimum thickness 5 mm of approved make and colours in skirting,risers of steps and dados over 12 mm thick bed of Cement mortar 1:3 (1 Cement:3 coarse sand) and jointing with grey cement slurry @3.3 kg/sqm including pointing in white cement mixed with pigment of matching shade complete.	190	sqm	870.50	165395
40(a)	Providing and laying of minimum 7.5 mm thick pre-polished vitrified tiles conforming to IS 15622 in different sizes of approved make and colours laid over 20 mm thick bed of Cement mortar 1:4 (1 Cement:4 coarse sand) including pointing in white cement mixed with pigment of matching shade complete as per direction of Engineer-in charge. Size of Tile 60X60 cm.	150	sqm	1607.10	241065
41	Providing and fixing pre polished vitrified tiles minimum thickness 7.5 mm of approved make and colours in skirting,risers of steps and dados over 12 mm thick bed of Cement mortar 1:3 (1 Cement:3 coarse sand) and jointing with grey cement slurry @3.3 kg/sqm including pointing in white cement mixed with pigment of matching shade complete.	15	sqm	1609.60	24144
42(a)	Finishing with Epoxy paint (two or more coats) at all locations prepared and applied as per manufacturer's specifications including appropriate priming coat, preparation of surface, etc. complete. On steel work	450	sqm	126.90	57105

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42(b)	Finishing with Epoxy paint (two or more coats) at all locations prepared and applied as per manufacturer's specifications including appropriate priming coat, preparation of surface, etc. complete. On concrete work	2400	sqm	130.40	312960
43	Providing and fixing door shutters 35 mm thick, with Pre-laminated medium density fibre board (MDF exterior grade) having one side decorative lamination and other side balancing lamination, including IInd class teak wood lipping of 35 mm wide x12 mm thick with necessary screws and bright finished stainless steel piano hinges, complete as per direction of the Engineer-in-Charge	30	sqm	2427.70	72831
44	Providing and fixing pressed steel door frames conforming to IS:4351 manufactured from commercial mild steel sheet of 1.25mm thickness including hinges, jamb, lock jamb, bead and if required angle threshold of mild steel angle of section 50X25mm, or base ties of 1.25mm pressed mild steel welded or rigidly fixed together by mechanical means, adjustable lugs with spit end tail to each jamb including steel butt hinges 2.5mm thick with mortar guards, lock strike plate and shock absorbers as specified and applying a coat of approved steel primer after pre-treatment of the surface as directed by Engineer-in-Charge: Profile C	75	RM	444.70	33353
45	Providing and fixing single or double steel door shutters with 45mm thk flush design shutter comprising of two outer sheets of 18 gauge steel sheets rigidly connected and reinforced inside with continuous vertical 20 gauge stiffeners, spot welded in position at not more than 150mm on centres including void filled with mineral wool (density as per specification), all fittings, Godrej or equivalent make mortice lock with handle on both sides, shop and Rnal painting etc all complete.	40	sqm	4530.30	181212
46(a)	Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/appropriate Z sections and other sections of approved make conforming to IS: 733 and IS: 1285, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/ neoprene gasket etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing / paneling, C.P. brass / stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing, paneling and dash fasteners to be paid for separately) : For fixed portion	1800	kg	430.70	775260

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46(b)	Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/appropriate Z sections and other sections of approved make conforming to IS: 733 and IS: 1285, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/ neoprene gasket etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing / paneling, C.P. brass / stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing, paneling and dash fasteners to be paid for separately) : For shutters of doors, windows & ventilators including providing and fixing hinges/ pivots and making provision for fixing of fittings wherever required including the cost of EPDM rubber / neoprene gasket required (Fittings shall be paid for separately)	2250	kg	488.60	1099350
47(a)	Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions, etc., with PVC/neoprene gasket, etc., complete as per the architectural drawings and directions of Engineer-in-charge. (Cost of aluminium snap beading shall be paid in basic item). With float glass panes of 6 mm thickness.	30	sqm	1187.60	35628
47(b)	Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions, etc., with PVC/neoprene gasket, etc., complete as per the architectural drawings and directions of Engineer-in-charge. (Cost of aluminium snap beading shall be paid in basic item). With float glass panes of 4 mm thickness.	300	sqm	871.80	261540
47(c)	Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions, etc., with PVC/neoprene gasket, etc., complete as per the architectural drawings and directions of Engineer-in-charge. (Cost of aluminium snap beading shall be paid in basic item). With frosted glass panes of 4 mm thickness.	30	sqm	871.80	26154
48	Providing and fixing fire proof steel doors (single or double shutter) with panic devices shall be 45mm thk flush design comprising of two outer sheets of 18 gauge steel sheets rigidly connected and reinforced inside with continuous vertical 20 gauge stiffeners, spot welded in position at not more than 150mm on centers including all fittings, shop painting with approved post office signal red color fire resistant paint and mineral wool insulation (64 kg/cum density) complete and shall be fire proof as per IS:3614, TAC requirements and as per specification. Minimum ratings shall be 2 Hrs.	20	sqm	7494.60	149892
49	Providing & fixing double glazed hermetically sealed glazing in aluminium windows, ventilators and partitions, etc, with 6mm thick toughened safety glass conforming to IS: 2553 on both sides having 12mm air gap including providing EPDM gasket, perforated aluminium spacers, dessicants, sealants (both primary & secondary sealant) etc. as per specifications, drawings & direction of Engineer-in-charge complete.	50	sqm	4000.40	200020

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50	Providing and fixing factory made P.V.C. door frame of size 50x47 mm with a wall thickness of 5 mm, made out of extruded 5 mm rigid PVC foam sheet, mitred at corners and joined with 2 nos of 150 mm long bracket of 15x15 mm M.S. square tube, the vertical door frame profiles to be reinforced with 19x19 mm M.S. square tube of 19 gauge, EPDM rubber gasket weather seal to be provided through out the frame. The door frame to be fixed to the wall using M.S. screws of 65/100 mm size, complete as per manufacturer's specification and direction of Engineer-in-charge.	25	m	486.20	12155
51(a)	Providing and fixing factory made panel PVC door shutter consisting of frame made out of M.S. tubes for styles, top & bottom rails. M. S. frame covered with 5 mm thick heat moulded PVC 'C' channel of size 30 mm thickness forming styles, top & bottom rail and 115 mm wide lock rail on both side of the panel. panelling of 5 mm thick both side PVC sheet to be fitted in the M.S. frame welded/ sealed to the styles & rails with 7 mm (5 mm + 2 mm) thick x 15 mm wide PVC sheet beading on inner side, and joined together with solvent cement adhesive. An additional 5 mm thick PVC strp of 20 mm width is to be stuck on the interior side of the 'C' channel using PVC solvent adhesive etc. complete as per direction of Engineer-in-charge, manufacturer's specification & drawing. 30 mm thick plain PVC door shutters	25	sqm	3003.80	75095
51(b)	Providing and fixing factory made panel PVC door shutter consisting of frame made out of M.S. tubes for styles, top & bottom rails. M. S. frame covered with 5 mm thick heat moulded PVC 'C' channel of size 30 mm thickness forming styles, top & bottom rail and 115 mm wide lock rail on both side of the panel. panelling of 5 mm thick both side PVC sheet to be fitted in the M.S. frame welded/ sealed to the styles & rails with 7 mm (5 mm + 2 mm) thick x 15 mm wide PVC sheet beading on inner side, and joined together with solvent cement adhesive. An additional 5 mm thick PVC strp of 20 mm width is to be stuck on the interior side of the 'C' channel using PVC solvent adhesive etc. complete as per direction of Engineer-in-charge, manufacturer's specification & drawing. 30 mm thick pre laminated PVC door shutters	25	sqm	3555.20	88880
52	Providing and fixing double action hydraulic floor spring of approved brand and manufacture conforming to IS : 6315, having brand logoembossed on the body / plate with double spring mechanism and door weight upto 125 kg, for doors, including cost of cutting floors, embedding in floors as required and making good the same matching to the existing floor finishing and cover plates with brass pivot andsingle piece M.S. sheet outer box with slide plate etc. complete as per the direction of Engineer-in-charge.	16	each	2347.40	37558
53(a)	Providing and fixing aluminium sliding door bolts anodised (anodic coating not less than grade AC 10 as per IS: 1868) transparent or dyed to required colour or shade with nuts and screws etc., complete. 300 X 16mm	20	each	244.90	4898
53(b)	Providing and fixing aluminium sliding door bolts anodised (anodic coating not less than grade AC 10 as per IS: 1868) transparent or dyed to required colour or shade with nuts and screws etc., complete. 250 X 16 mm	10	each	203.00	2030

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54(a)	Providing and fixing aluminium tower bolts 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. 300 X 10mm	20	each	120.70	2414
54(b)	Providing and fixing aluminium tower bolts 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. 250 X 10 mm	10	each	103.90	1039
55	Providing and fixing aluminium handles 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. 125mm	25	each	75.10	1878
56	Providing and fixing IS:3564 marked aluminium die cast body tubular type universal door closer of approved quality and make with accessories and screws complete.	5	each	796.60	3983
57	Supplying and fixing rolling shutters of approved make, made of required size MS laths interlocked together through their entire length and jointed together at the end by end locks mounted on specially designed pipe shaft with brackets, side guides and arrangements for inside and outside locking with mechanical arrangement for operation complete including the cost of providing and fixing necessary 27.5cm long wire springs grade no. 2 and MS top cover of required thickness for rolling shutters. 80X1.20 mm MS laths with 1.2mm thick top cover.	40	sqm	1903.00	76120
58	Providing and fixing ball bearing for rolling shutters.	4	each	516.60	2066
59	Extra for providing mechanical device chain and crank operating rolling shutters. operation for Exceeding 10.00 sqm and upto 16.80 sqm in the area	4	each	754.00	3016
60	Providing and fixing M.S. grills of required pattern in frames of windows etc. with MS flats,square or round bars etc. including priming coat with approved steel primer all complete.all complete.	4500	kg	118.00	531000
61	White washing with lime to give an even shade New work (3 or more coats)	300	sqm	14.20	4260
62	Distempering with 1st quality acrylic distemper (ready mixed) of approved manufacturer, of required shade and colour complete, as per manufacturer's specification. Two or more coats on new work	3000	sqm	44.90	134700
63	Wall painting with acrylic emulsion paint of approved brand and manufacture to give an even shade : Two or more coats on new work.	1000	sqm	72.50	72500
64	Finishing walls with water proofing cement paint of required shade : New work : Two or more coats applied @3.84kg/10sqm.	3000	sqm	54.00	162000
65	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade: Two or more coats on new work.	200	sqm	64.70	12940
66	Painting with chlorinated rubber based acid proof paint of approved brand and manufacture of required colour to give an even shade. Two or more coats on new work.	125	sqm	60.70	7588

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Name of the Work:-Execution & handing over of balance Civil works of GIS & Control Room Building at 400kV GIS substation at Ennore SEZ in Tamilnadu.

S.No.	Description of Item	Quantity	Unit	Unit Rate (Rs.)	Total Amount (Rs.)
67	Providing and fixing white vitreous china water closet squatting pan (Indian type W.C. pan) as per IS 2556 with 100 mm sand cast iron P or S trap, 10 litre low level P.V.C. flushing cistern (of approved make) with fittings, C.I./M.S. brackets, 32 mm diameter flush pipe with fittings and clamps, overflow arrangement with specials and mosquito proof coupling of approved municipal design including painting of fittings and brackets, cutting and making good the walls and floors wherever required. Orissa pattern W.C. Pan of size 580 x 440 mm with integral type foot rests flush pipe and overflow arrangement.	2	each	3562.50	7125
68	Providing and fixing white vitreous china pedestal type water closet (European type W.C. Pan) as per IS 2556 with seat and lid, C.P. Brass hinges and rubber buffers, 10 litre low level flushing cistern with fittings & CI/MS brackets 40mm dia flush bend , overflow arrangement with specials of standard make and mosquito proof coupling of approved municipal design compete including painting of fittings and brackets, cutting and making good the walls and floors wherever required : W.C. pan with black solid plastic seat and lid with white vitreous china flushing cistern and CP flush bend.	3	each	5073.00	15219
69	Providing and fixing white vitreous china battery based infrared sensor operated urinal of approx. size 610 x 390 x 370 mm having pre & postflushing with water (250 ml & 500 ml consumption), having water inlet from back side, including fixing to wall with suitable brackets all as per manufacturers specification and direction of Engineer-in-charge.	5	each	12552.10	62761
70	Providing and fixing granite stone slab with table rubbed, edges rounded and polished, of size 75x50 cm deep and 1.8 cm thick, fixed in urinal partitions by cutting a chase of appropriate width with chase cutter and embedding the stone in the chase with epoxy grout or with cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 6 mm nominal size) as per direction of Engineer-in-charge and finished smooth.	4	each	3536.10	14144
71	Providing and fixing vitreous china under counter wash basin in oval shape of approved colour and size with 15 mm C.P. brass pillar taps, 32 mm C.P. brass waste of standard pattern, including painting of fittings etc. cutting and making good the walls/stone wherever required:	5	each	2221.50	11108
72	Providing and fixing Stainless Steel A ISI 304 (18/8) kitchen sink as per IS : 13983 with C.I. brackets and stainless steel plug 40 mm, including painting of fittings and brackets, cutting and making good the walls wherever required : Kitchen sink with drain board 510x1040 mm bowl depth 250 mm	1	each	8105.10	8105
73	Providing and fixing 100 mm sand cast iron grating for gully, floor or Nahani trap.	5	each	29.50	148
74	Providing and fixing 600 x 450 x 6 mm bevelled edge mirror of float glass (of approved quality) complete with 6 mm thick hard board ground fixed to wooden cleats with C.P. Brass screws and washers complete.	1	each	810.20	810

BOQ Cum Price Schedule (Annexure-I)

Name of the Work:-Execution & handing over of balance Civil works of GIS & Control Room Building at 400kV GIS substation at Ennore SEZ in Tamilnadu.

S.No.	Description of Item	Quantity	Unit	Unit Rate (Rs.)	Total Amount (Rs.)
75	Providing and fixing 1200 x 900 x6 mm bevelled edge mirror of float glass (of approved quality) complete with 6 mm thick hard board ground fixed to wooden cleats with C.P. Brass screws and washers complete.	2	each	1620.30	3241
76	Providing and fixing 600 x 120 x 5 mm glass shelf with edges rounded off supported on anodised aluminium angle frame with C.P. Brass brackets and guard rail complete fixed with 40 mm long screws, rawl plugs etc. complete.	2	each	410.20	820
77	Providing and fixing 600 X 20 mm Stainless steel towel rail complete with fitting arrangement of approved quality and make.	5	each	485.60	2428
78	Providing and fixing PTMT liquid soap container 109mm wide.125mm high and 112mm distance from wall of standard shape with bracket of same materials with snap fittings of approved quality ,colour and make .weighing not less than 105 gm.	5	each	151.10	756
79	Providing and fixing toilet paper holder. CP brass.	3	each	301.70	905
80	Providing and fixing soil,waste and vent pipes: 100 mm dia. Sand cast iron S & S pipe.	10	RM	882.50	8825
81(a)	Providing and fixing G.I. Pipes (medium grade) complete with G.I. Fitting and clamps , including cutting and making good the walls etc. (internal work). 15 mm dia nominal bore.	25	RM	194.20	4855
81(b)	Providing and fixing G.I. Pipes (medium grade) complete with G.I. Fitting and clamps , including cutting and making good the walls etc. (internal work). 20 mm dia nominal bore.	80	RM	226.00	18080
81(c)	Providing and fixing G.I. Pipes (medium grade) complete with G.I. Fitting and clamps , including cutting and making good the walls etc. (internal work). 25 mm dia nominal bore.	50	RM	292.30	14615
81(d)	Providing and fixing G.I. Pipes (medium grade) complete with G.I. Fitting and clamps , including cutting and making good the walls etc. (internal work). 32 mm dia nominal bore.	20	RM	356.40	7128
82(a)	Providing and fixing G.I. Pipes (medium grade) complete with G.I. Fitting and clamps , including trenching and refilling, etc. (external work). 15 mm dia nominal bore.	10	RM	171.00	1710
82(b)	Providing and fixing G.I. Pipes (medium grade) complete with G.I. Fitting and clamps , including trenching and refilling, etc. (external work). 20 mm dia nominal bore.	50	RM	193.90	9695
82(c)	Providing and fixing G.I. Pipes (medium grade) complete with G.I. Fitting and clamps , including trenching and refilling, etc. (external work). 32 mm dia nominal bore.	50	RM	298.70	14935
82(d)	Providing and fixing G.I. Pipes (medium grade) complete with G.I. Fitting and clamps , including trenching and refilling, etc. (external work). 40 mm dia nominal bore.	30	RM	353.50	10605

BOQ Cum Price Schedule (Annexure-I)

Name of the Work:-Execution & handing over of balance Civil works of GIS & Control Room Building at 400kV GIS substation at Ennore SEZ in Tamilnadu.

S.No.	Description of Item	Quantity	Unit	Unit Rate (Rs.)	Total Amount (Rs.)
83	Making connection of GI distribution branch with GI main of following sizes by providing and fixing tee, including cutting and threading the pipe etc., complete. 25 to 40mm nominal bore.	1	each	333.30	333
84(a)	Providing and fixing C.P. brass bib cock of approved quality 15mm nominal bore	6	each	247.20	1483
84(b)	Providing and fixing C.P. brass bib cock of approved quality 20mm nominal bore	2	each	319.90	640
85(a)	Providing and fixing brass stop cock of approved quality 15mm nominal bore	6	each	247.20	1483
85(b)	Providing and fixing brass stop cock of approved quality 20mm nominal bore	2	each	320.50	641
86(a)	Providing and fixing gun metal gate valve with CI wheel of approved quality (screwed end) 25mm nominal bore	2	each	448.30	897
86(b)	Providing and fixing gun metal gate valve with CI wheel of approved quality (screwed end) 40mm nominal bore	1	each	656.30	656
87	Providing and fixing ball valve (brass) of approved quality , high or low pressure with plastic floats complete. 25mm nominal bore	1	each	506.80	507
88(a)	Providing, laying and jointing glazed stoneware pipes grade 'A' with stiff mixture of cement mortar in the proportion of 1:1 (1 cement : 1 fine sand) including testiing of joints etc. complete. 100 mm diameter.	5	RM	180.40	902
88(b)	Providing, laying and jointing glazed stoneware pipes grade 'A' with stiff mixture of cement mortar in the proportion of 1:1 (1 cement : 1 fine sand) including testiing of joints etc. complete. 150 mm diameter.	10	RM	263.20	2632
88(c)	Providing, laying and jointing glazed stoneware pipes grade 'A' with stiff mixture of cement mortar in the proportion of 1:1 (1 cement : 1 fine sand) including testiing of joints etc. complete. 200 mm diameter.	10	RM	388.30	3883
89	Providing and fixing square-mouth S.W. Gully trap grade 'A' complete with C.I. Grating brick masonry chamber with bricks of class designation 75 and water tight C.I. Cover with frame of 300 x 300 mm size (inside) the weight of cover to be not less than 4.50 kg and frame to be not less than 2.70 kg as standard design.: 100 x 100 mm size P type With F.P.S bricks	1	each	1510.00	1510
90	Providing and placing on terrace (at all floor levels) polyethylene water storage tank of approved brand and manufacture with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank. The tank should be ISI marked .	1000	per litre capacity	7.40	7400
91	Providing, laying and fixing Heavy duty roof water proofing treatment as per IS 1346 and clause no 18.07.00(d) of customer spec no. CE/C/P&E/EE/E/OT.No. 03/2013-14 including seven course of glass fire based felt as per IS:7193, foam concrete, cemen plater, chequered cement tiles etc. all complete and as per instruction of Engineer in Charge	2000	sqm	1071.00	2142000

BOQ Cum Price Schedule (Annexure-I)

Name of the Work:-Execution & handing over of balance Civil works of GIS & Control Room Building at 400kV GIS substation at Ennore SEZ in Tamilnadu.

S.No.	Description of Item	Quantity	Unit	Unit Rate (Rs.)	Total Amount (Rs.)
92(a)	Providing and fixing on wall face unplasticised - Rigid PVC rain water pipes conforming to IS : 13592 Type A including jointing with seal ring conforming to IS : 5382 leaving 10 mm gap for thermal expansion.: Single socketed pipes all complete including clamps, bends etc making good the walls etc. wherever required 110 mm diameter.	700	meter	248.70	174090
93	Providing and fixing to the inlet mouth of rain water pipe cast iron grating 15 cm diameter and weighing not less than 440 grams.	40	each	39.40	1576
94	Providing & fixing Aluminum false ceiling system comprising of 84 mm wide 12.5 mm deep closed type plain panels of approved colour, roll formed out of 0.5 mm thick corrosion resistant aluminum alloy AA 5050 fixed on roll formed carriers. Additional hangers and height adjustment clips shall be provided for return air grills, supply air diffusers, light fixtures, AC ducts etc.in approved pattern all complete including fixing ,leaving cut out etc required for completion of works as per direction of Engineer-in -Charge.	500	sqm	1401.60	700800
95	Providing & fixing at all heights gypsum plaster board false ceiling system including leaving cut out for return air grills, supply air diffusers, light fixtures, AC ducts etc.in approved pattern all complete as per direction of Engineer-in -Charge.	50	sqm	831.00	41550
96	Providing and fixing thermal insulation of ceiling (under deck insulation) with PUF material of density 36 kg/cum, 50 mm thick wherever required, all complete as per customer's specification clause no. 26.09.00	550	sqm	518.80	285340
97	Constructing brick masonry manhole with 75 class designation bricks in cement mortar 1:4 (1 cement: 4 coarse sand) RCC top slab with 1:2:4 mix(1 cement:2 coarse sand: 4 graded stone aggregate 20mm nominal size) foundation concrete 1:4:8 (1 cement: 4 coarse sand: 8 graded stone aggregate 40mm nominal size) inside plastering 12mm thick with cement mortar 1:3 (1 cement: 3 coarse sand) finished with floating coat of neat cement and making channels in cement concrete 1:2:4 mix(1 cement:2 coarse sand: 4 graded stone aggregate 20mm nominal size) finished with a floating coat of neat cement complete as per standard design. Inside size 90X80cm and 45cm deep including CI cover with frame (light duty) 455X610mm internal dimensions total weight of cover and frame to be not less than 38kg (weight of cover 23kg and weight of frame 15kg) With FPS bricks	1	each	8571.90	8572
98	Extra for depth for manholes Size 90X80cm With FPS bricks	2	RM	4881.70	9763
99	Making soak pit 2.5m diameter 3m deep with 45X45cm dry brick honeycomb shaft with bricks of class designation 75 and SW drain pipe 100mm diameter, 1.8m long complete as per standard design and specification. With FPS bricks	1	each	18302.70	18303
100(a)	Providing and laying non-pressure NP2 class (light duty) RCC pipes with collars jointed with stiff mixture of cement mortar in the proportion of 1:2 (1 cement: 2 fine sand) including testing of joints etc., complete. 150mm dia. RCC pipe	10	RM	305.80	3058

BOQ Cum Price Schedule (Annexure-I)

Name of the Work:-Execution & handing over of balance Civil works of GIS & Control Room Building at 400kV GIS substation at Ennore SEZ in Tamilnadu.

S.No.	Description of Item	Quantity	Unit	Unit Rate (Rs.)	Total Amount (Rs.)
100(b)	Providing and laying non-pressure NP2 class (light duty) RCC pipes with collars jointed with stiff mixture of cement mortar in the proportion of 1:2 (1 cement: 2 fine sand) including testing of joints etc., complete. 250mm dia. RCC pipe	20	RM	411.60	8232
100(c)	Providing and laying non-pressure NP2 class (light duty) RCC pipes with collars jointed with stiff mixture of cement mortar in the proportion of 1:2 (1 cement: 2 fine sand) including testing of joints etc., complete. 300mm dia. RCC pipe	20	RM	508.20	10164
100(d)	Providing and laying non-pressure NP2 class (light duty) RCC pipes with collars jointed with stiff mixture of cement mortar in the proportion of 1:2 (1 cement: 2 fine sand) including testing of joints etc., complete. 450mm dia. RCC pipe	20	RM	746.20	14924
101(a)	Providing and laying non-pressure NP3 class (light duty) RCC pipes with collars jointed with stiff mixture of cement mortar in the proportion of 1:2 (1 cement: 2 fine sand) including testing of joints etc., complete. 250mm dia. RCC pipe	10	RM	643.40	6434
101(b)	Providing and laying non-pressure NP3 class (light duty) RCC pipes with collars jointed with stiff mixture of cement mortar in the proportion of 1:2 (1 cement: 2 fine sand) including testing of joints etc., complete. 300mm dia. RCC pipe	10	RM	772.10	7721
101(c)	Providing and laying non-pressure NP3 class (light duty) RCC pipes with collars jointed with stiff mixture of cement mortar in the proportion of 1:2 (1 cement: 2 fine sand) including testing of joints etc., complete. 450mm dia. RCC pipe	10	RM	1124.10	11241
102	Providing and placing in position suitable PVC water stops conforming to IS 12200 for construction/expansion joints between two RCC members and fixed to the reinforcement with binding wire before pouring concrete etc. complete. Serrated with central bulb(225mm wide,8-11mm thick)	100	meter	551.80	55180
103	Providing and fixing in position 75mm thick bitumen impregnated fibre board / Duraboard HD100 conforming to IS:1838 including cost of primer, sealing compound in expansion joints.	100	per cm depth per 100m	3232.40	323240
104(a)	Providing and fixing sheet covering over expansion joints with iron screws as per design to match the colour/ shade of wall treatment. Aluminium fluted strips 3.15mm thick	100	kg	430.70	43070
105	Providing and applying two layers of residual petroleum bitumen of penetration 85/25 of approved quality using 1.7 kg per sqm on the side faces of foundations after cleaning the surface with brushes and finally with a piece of cloth lightly soaked in kerosene oil.(For all lifts and leads).	1500	sqm	228.40	342600
106	Breaking of pile heads of exiting piles manually/ by mechanical means and preparing it in all respect for casting of the pile caps including cleaning, brushing, disposal of dismantled material up to a lead of 100 meters, as per direction of Engineer-in-charge all complete.	225	cum	963.90	216878
107	Providing & fixing chicken wire mesh in plaster all complete as per specification and direction of Engineer - in - charge.	100	sqm	43.80	4380

BOQ Cum Price Schedule (Annexure-I)

Name of the Work:-Execution & handing over of balance Civil works of GIS & Control Room Building at 400kV GIS substation at Ennore SEZ in Tamilnadu.

S.No.	Description of Item	Quantity	Unit	Unit Rate (Rs.)	Total Amount (Rs.)
108	Demolishing R.C.C. work manually/ by mechanical means including stacking of steel bars and disposal of unserviceable material within 50 metres lead as per direction of Engineer - in- charge.	5	cum	1176.60	5883
109	Demolishing brick work in cement mortar manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 metres lead as per direction of Engineer-in-charge.	5	cum	681.00	3405
110	Design, preperation of drawing, submission and approval from concerned authorities and construction of rain water harvesting system including all earthwork, brickwork, misc steel, gravel & boulder filling, drilling bore hole, supplying and installation of MS pipe etc. all complete as required for completion of work. Only concrete and reinforcement shall be paid seperately under respective items.	1	Lumpsum	244474.20	244474
Total Amount in Rs. (Excluding GST)					48626828.00

Note: Quoted rate is considering river sand only for all items of BOQ related with sand . However in case of non availability of the river sand , and subjected to approval by customer , good quality crushed stone sand//M-Sand conforming to the grading limits and other requirements set in IS:383 may be used. If crushed stone sand /M-sand is used in place of river sand, net rebate of Rs 100/- per cum of concrete on final amount shall be given by the contractor for all concreting items.

BOQ cum Price Schedule (Annexure-II)

Name of the Work:- Under Ground Earthing Works at 400 kV GIS Substation at Ennore SEZ in Tamilnadu

Sl. No.	Description of Item	UOM	Quantity	Unit Rate (Rs.)	Total Amount (Rs.)
1	<p>Unloading, storing and laying of 40 mm dia MS Rods at a depth of 600 mm measured from the top of Finished Ground Level and bringing out risers just below gravel level near the equipment foundations as per requirement including following works:</p> <ul style="list-style-type: none"> - excavation of trenches - laying of MS rod - welding of rods (refer Drg No. PE-DG-412-509-E005 for Welding details of rods / flat) - backfilling of soil for bringing out pig tail risers of 40 dia MS rod for equipments. Risers shall be raised from the earthmat (at 600 mm depth) to 150 mm above ground level to the nearest point of the equipment. This shall include all cutting, bending, welding, fixing, application of zinc rich paint on cutting surface, etc to the main earthmesh. - any other work necessary to complete the laying of earthmat <p>(40 mm dia MS rod will be supplied by BHEL).</p>	MT	100	6193.78	619378.37
2	<p>Grounding of GIS : Unloading, storing and laying of MS Rod inside the ground slab of the GIS Building Floor (forming a mesh) as per Dwg no. TB-378-510-015 rev 00 and bringing out risers 300mm above FFL level near the equipment foundations and building columns as per requirement including following works:</p> <ul style="list-style-type: none"> - laying, cutting and bending - welding of rods (refer Drg No. PE-DG-412-509-E005 for Welding details of rods / flat) - Risers shall be raised from the earthing mesh of Mild Steel to 300 mm above ground level to the nearest point of the equipment. This shall include all cutting, bending, welding, fixing, application of zinc rich paint on cutting surface, etc and connecting it to the main earthmesh. - any other work necessary to complete the preparation of grounding mesh of the GIS Building (MS Rods shall be supplied by Bidder .) - any other work necessary to complete the laying of earthmat for GIS and linking it with the main Earthmat. <p>(40 mm dia MS rod will be supplied by BHEL).</p>	MT	10	7702.55	77025.45
3	<p>Grounding of GIS : Unloading, storing and laying of 75 X 12mm GI Flat inside the ground slab of the GIS Building Floor (forming a mesh) as per Dwg no. TB-378-510-015 rev 00 and bringing out risers 300mm above FFL level near the equipment foundations and building columns as per requirement including following works:</p> <ul style="list-style-type: none"> - laying, cutting and bending - welding of Flat (refer Drg No. PE-DG-412-509-E005 for Welding details of rods / flat) - Risers shall be raised to 300 mm above ground level to the nearest point of the equipment. This shall include all cutting, bending, welding, fixing, application of zinc rich paint on cutting surface, etc and connecting it to the main earthmesh. - any other work necessary to complete the preparation of grounding mesh of the GIS Building - any other work necessary to complete the laying of earthmat for GIS and linking it with the main Earthmat. <p>(75 X 12mm GI Flat will be supplied by BHEL).</p>	MT	4	7702.55	30810.18
4	<p>Grounding of GIS : Unloading, storing and laying of 50 X 6mm GI Flat inside the ground slab of the GIS Building Floor (forming a mesh) as per Dwg no. TB-378-510-015 rev 00 including following works:</p> <ul style="list-style-type: none"> - laying, cutting and bending - welding of Flat (refer Drg No. PE-DG-412-509-E005 for Welding details of rods / flat) - any other work necessary to complete the preparation of grounding mesh of the GIS Building - any other work necessary to complete the laying of earthmat for GIS and linking it with the main Earthmat. <p>(50 X 6mm GI Flat will be supplied by BHEL).</p>	MT	2	7702.55	15405.09
5	<p>Grounding of GIS : Unloading, storing and laying of 12mm TMT Bar inside the ground slab of the GIS Building Floor (forming a mesh) as per Dwg no. TB-378-510-015 rev 00 including following works:</p> <ul style="list-style-type: none"> - laying, cutting and bending - welding of Flat (refer Drg No. PE-DG-412-509-E005 for Welding details of rods / flat) - any other work necessary to complete the preparation of grounding mesh of the GIS Building - any other work necessary to complete the laying of earthmat for GIS and linking it with the main Earthmat. <p>(12mm TMT Bar will be supplied by BHEL).</p>	MT	2	7702.55	15405.09

BOQ cum Price Schedule (Annexure-II)

Name of the Work:- Under Ground Earthing Works at 400 kV GIS Substation at Ennore SEZ in Tamilnadu

Sl. No.	Description of Item	UOM	Quantity	Unit Rate (Rs.)	Total Amount (Rs.)
6	Fabrication & Installation of Auxiliary Mat of 40 mm Dia MS Rods at a depth of 300 mm from top of FGL including excavation & backfilling as per Drg No. TB-STD-316-Auxiliary mat Rev 00. - any other work necessary to complete the laying of earthmat (40 Diameter MS rod will be supplied by BHEL)	Nos.	10	2235.21	22352.14
7	Installation of Pipe Electrode to be driven - 3.0 Mtr as per reference Drg. No. PE-DG-412-509-E005 REV 02 including following works: - excavation - installing the pipe electrode with alternate layers of Coke/charcoal and salt - backfilling and compaction - Casting the Test Pit with Cast Iron covers as per IS 3043 - any other work necessary to complete the work (Prefabricated pipe electrode i.e. GI Pipe, Flat, Nuts, Bolts & Washers and funnel with wire mesh will be supplied by BHEL).	nos.	36	8174.70	294289.29
8	Fabrication and Installing of 40 mm diameter Rod Electrode with test link as per Drg. No. TB-STD-316-Rod Electrode Rev 00 including following works: - Fabrication - excavation - installing the rod electrode - backfilling and compaction - Casting the Test Pit with Cast Iron covers as per IS 3043 - any other work necessary to complete the work (40 mm dia MS rod, Flat, Nuts, Bolts & Washers will be supplied by BHEL).	Nos.	20	4306.68	86133.62
9	Installing of pre-fabricated 40 mm diameter GI / MS Rod Electrode (3 meter long) with test link as per Drg. No. TB-STD-316-Rod Electrode Rev 00 including following works: - excavation - installing the rod electrode - backfilling and compaction - Casting the Test Pit with Cast Iron covers as per IS 3043 - any other work necessary to complete the work (Prefabricated rod electrode i.e. GI / MS rod electrode, flat, Nuts, Bolts & Washers will be supplied by BHEL).	Nos.	10	3806.68	38066.81
10	Fabrication & Installing of 40 mm diameter Rod Electrode (3 meter long) without test pit including following works: - excavation/hammering of rod in earth - installing the rode electrode - backfilling and compaction - any other work necessary to complete the work (40 mm dia MS rod, GI Flat will be supplied by BHEL).	Nos.	4	3901.23	15604.93
	Total Amount in Rs. (Excluding GST)				1214471

ANNEXURE-III

**TRANSMISSION BUSINESS GROUP
(SUB- CONTRACTS MANAGEMENT)
TBG - NOIDA**

PRICE SCHEDULE FORMAT

SUB: TENDER FOR “EXECUTION AND HANDING OVER OF BALANCE CIVIL WORKS OF GIS & CONTROL ROOM BUILDING AT 400KV GIS SUBSTATION AT ENNORE SEZ IN TAMILNADU”.

TENDER NO.:- TBSM/ENNORE/BALANCE CIVIL/TENDER/19-20 DATE: 17.03.2020

(a) I/ We hereby agree to execute the above work at ----- % (in figure).....
----- (in words) Above / Below/ At Par the rates of items given in BOQ
(Annexure-I & II) of subject tender.

NOTE:

1. In this annexure the tenderer shall quote a percentage above/ below/At Par the rates shown in the Bill of Quantities (Annexure-I & II) of subject tender. The percentage quoted shall be clearly written both in words and figures In case of discrepancy in rates in figure and words, the minimum will be taken into account by BHEL.
2. The quoted percentage will apply to the individual items uniformly.

Date:
Place

Signature of tenderer
Name & Designation of authorized person(s) with seal

ANNEXURE-IV
(Summary of Prices)

**EXECUTION AND HANDING OVER OF BALANCE CIVIL WORKS OF GIS & CONTROL ROOM BUILDING
AT 400KV GIS SUBSTATION AT ENNORE SEZ IN TAMILNADU.**

Tender Spec. no.:- TBSM/ENNORE/BALANCE CIVIL/TENDER/19-20 Date 17.03.2020

Sl No.	Description	Amount (Rs.)
1.a	Total amount as per the rates in BOQ for "Execution and handing over of Balance Civil works of GIS & Control Room Building at 400kV GIS substation at Ennore SEZ in Tamilnadu" (Annexure-I)	486,26,828
1.b	Total amount as per the rates in BOQ for " Underground Earthing Works" (Annexure-II)	12,14,471
1	Total Amount in Rupees - Excluding GST (Annexure-I + Annexure-II)	498,41,299
2	Value of percentage above/below/at par (As indicated in Price Schedule Format, Annexure-III) applicable to the total amount of subject work (Sl. no. 1 above)% Above/Below/ At par
3	Total amount after consideration of percentage above/below/ at par.	