

**PRICE BID**

**Repairing of Quarter NO.: (T-III/2) at 132/33 KV AEGCL Grid sub-station, Haflong.**

**NIT No.: AEGCL/STTC/Tech-12/2024-25/01 dtd. 07.06.2024**

<b>Sl. No.</b>	<b>Description of Item</b>	<b>Qty</b>	<b>Unit</b>	<b>Rate to be quoted (Rs.)</b>	<b>Amount (Rs.)</b>
1	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :1:3:6 (1 Cement : 3 coarse sand (zone-III) derived from natural sources : 6 graded stone aggregate 20 mm nominal size derived from natural sources)	2.160	cum		
2	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level and above plinth level Thermo-Mechanically Treated bars of grade Fe-500D or more.	45.240	kg		
3	Centering and shuttering including strutting, propping etc. and removal of form for Lintels, beams, plinth beams, girders, bressumers and cantilevers	9.370	Sqm		
4	Reinforced cement concrete work in walls (any thickness), including attached pilasters, buttresses, plinth and string courses, fillets, columns, pillars, piers, abutments, posts and struts etc. above plinth level up to floor five level, excluding cost of centering, shuttering, finishing and reinforcement :  1:1.5:3 (1 cement : 1.5 coarse sand(zone-III) derived from natural sources : 3 graded stone aggregate 20 mm nominal size derived from natural sources)	0.570	cum		

6	<p>Providing and fixing PVC Door Frame of size 50x47 mm with a wall thickness of 5 mm (<math>\pm 0.2</math> mm), made out of single piece extruded PVC profile, with mitred cut joints and joint with 2 nos of PVC bracket of size 190 mm x 100 mm long arms of cross section size 35 x 15 mm &amp; self driven self tapping screws, the vertical door profiles to be reinforced with 40x20 mm M.S. rectangular tube of 0.8 mm , including providing EPDM rubber gasket weather seal throughout the frame, including jointing 5mm PVC frame strip with PVC solvent cement on the back of the profile.The door frame to be fixed to the wall using 8 x100 mm long anchor fasteners complete, all as per manufacturer's specification and direction of Engineer -in- charge.</p>	9.600	Rm.		
7	<p>Providing and fixing to existing door frames. 30 mm thick factory made Polyvinyl Chloride (PVC) door shutter made of styles and rails of a uPVC hollow section of size 60x30 mm and wall thickness 2 mm (<math>\pm 0.2</math> mm), with inbuilt decorative moulding edging on one side. The styles and rails mitred and joint at the corners by means of M.S. galvanised/ plastic brackets of size 75x220 mm having wall thickness 1.0 mm and stainless steel screws. The styles of the shutter reinforced by inserting galvanised M.S. tube of size 25x20 mm and 1 mm (<math>\pm 0.1</math> mm) wall thickness. The lock rail made up of 'H' section, a uPVC hollow section of size 100x30 mm and 2 mm (<math>\pm 0.2</math> mm) wall thickness fixed to the shutter styles by means of plastic/ galvanised M.S. 'U' cleats.The shutter frame filled with a uPVC multi-chambered single panel of size not less than 620 mm, having over all thickness of 20 mm and 1 mm (<math>\pm 0.1</math> mm) wall thickness . The panels filled vertically and tie bar at two places by inserting horizontally 6 mm galvanised M.S. rod and fastened with nuts and washers, complete as per manufacturer's specification and direction of Engineer-in-charge.</p>	2.400	Sq.m.		
8	<p>12 mm cement plaster of mix : 13.1.1 1:4 (1 cement: 4 fine sand)</p>	66.300	sqm		

9	Providing and fixing precoated galvanised iron profile sheets (size, shape and pitch of corrugation as approved by Engineer-in-charge) 0.50 mm (+ 0.05 %) total coated thickness with zinc coating 120 grams per sqm as per IS: 277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns. Sheet should have protective guard film of 25 microns minimum to avoid scratches during transportation and should be supplied in single length upto 12 metre or as desired by Engineerin-charge. The sheet shall be fixed using self drilling /self tapping screws of size (5.5x 55 mm) with EPDM seal, complete upto any pitch in horizontal/ vertical or curved surfaces, excluding the cost of purlins, rafters and trusses and including cutting to size and shapewherever required.	34.650	Sqm.		
10	Providing and fixing precoated galvanised steel sheet roofing accessories 0.50 mm (+0.05 %) total coated thickness, Zinc coating 120 grams per sqm as per IS: 277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns using self drilling/ self tapping screws complete : Ridges plain (500 - 600mm)	17.000	Rm.		
11	Providing and fixing ISI marked M.S. pressed butt hinges bright finished with necessary screws etc. complete : 100x58x1.90 mm	16.000	Each		
12	Providing and fixing ISI marked oxidised M.S. sliding door bolts with nuts and screws etc. complete:300x16 mm	4.000	Each		
13	Providing and fixing ISI marked oxidised M.S. tower bolt black finish, (Barrel type) with necessary screws etc. complete : 150x10 mm	8.000	Each		
14	Providing and fixing ISI marked oxidised M.S. handles conforming to IS:4992 with necessary screws etc. complete : 125 mm	8.000	Each		

15	Providing wood work in frames of doors, windows, clerestory 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).	0.303	cum		
16	Providing and fixing panelled or panelled and glazed shutters for doors, windows and clerestory windows, fixing with butt hinges of required size with necessary screws, excluding panelling which will be paid for separately, all complete as per direction of Engineer-in-charge. (Note:-	7.560	Sqm		
17	Providing wood work in frames of false ceiling, partitions etc. sawn and fixed in position with necessary stainless steel screws etc. 9.3.2 Kiln seasoned and chemically treated hollock wood 3.2 Kiln seasoned and chemically treated hollock wood	0.290	cum		
18	Providing and fixing plain multipurpose cement board(Hight pressure steam cured) with suitable screws for cement particle board in ceiling etc. complete (frame work to be paid seperately). 6 mm thick Cement fiber board as per IS: 14862	100.650	Sqm		
19	Barge board (Upto 300 mm)	16.400	Rm.		

20	<p>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 &amp; 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 @3.3 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, plier, wedge, clips of required thickness, leveling system and rubber mallet for placing the tiles gently and easily. 11.41A.1 Double charge vitrified tile polished finish of size          11.41A.1.1 Size of Tile 600 x 600 mm</p>	85.800	Sqm		
21	<p>Glazed Vitrified tiles Matt/Antiskid finish of size          11.41A.3.1 Size of Tile 600 x 600 mm</p>	16.250	Sqm		
22	<p>Providing and fixing 1st quality ceramic glazed wall tiles conforming to IS: 15622 (thickness to be specified by the manufacturer), of approved make, in all colours, shades except burgundy, bottle green, black of any size as approved by Engineer-in-Charge, in skirting, risers of steps and</p>	26.310	Sqm		
23	<p>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 colour of Black, Cherry/Ruby Red or equivalent.</p>	1.140	Sqm		

24	Providing & fixing glass panes with putty and glazing clips in steel doors, windows, clerestory windows, all complete with : 10.30.2 5.5 mm thick glass panes.	18.030	Sqm		
25	Making plinth protection 50mm thick of cement concrete 1:3:6 (1 cement : 3 coarse sand (zone-III) derived from natural sources : 6 graded stone aggregate 20 mm nominal size derived from natural sources) over 75mm thick bed of dry brick ballast 40 mm nominal size, well rammed and consolidated and grouted with fine sand, including necessary excavation, levelling & dressing & finishing the top smooth.	20.000	Sqm		
26	Removing white or colour wash by scrapping and sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete	362.080	Sqm		
27	Wall painting with acrylic emulsion paint, having VOC (Volatile Organic Compound ) content less than 50 grams/ litre, of approved brand and manufacture, including applying additional coats wherever required, to achieve even shade and colour. 13.82.2 Two coats.	204.000	sqm		
28	Applying priming coats with primer of approved brand and manufacture, having low VOC (Volatile Organic Compound) content. 13.85.3 With water thinnable cement primer on wall surface having VOC content less than 50 grams/litre.	362.080	sqm		
29	Finishing walls with water proofing cement paint of required shade : 13.109.1 Old work (one or more coats applied @ 2.20 kg/10 sqm) over priming coat of primer applied @ 0.80 liters/10 sqm complete including cost of Priming coat.	24.960	Sqm		

30	Finishing walls with Acrylic Smooth exterior paint of required shade : 13.46.1 New work (Two or more coat applied @ 1.67 ltr/10 sqm over and including priming coat of exterior primer applied @ 2.20 kg/10 sqm)	158.080	Sqm		
31	Painting wood work with Deluxe Multi Surface Paint of required shade. Two or more coat applied @ 0.90 ltr/10 sqm over an under coat of primer applied @0.75 ltr/10sqm of approved brand and manufacture.	194.520	Sqm		
32	Painting Steel work with Deluxe Multi Surface Paint to give an even shade. Two or more coat applied @ 0.90 ltr/10 sqm over an under coat of primer applied @ 0.80 ltr/10 sqm of approved brand and manufacture.	191.000	Sqm		
33	Construction of septic tank as per drawing & analysis enclosed & as directed by the department.	1.000	Each		
34	Providing drain with brick work in cement mortar in proportion 1:5 with half brick thick side walls and 100mm thick C.C (1:3:6) base over one brick flat soling including 15mm thick cement plastering in prop. 1:3 finished with a floating coat of cement slurry as directed with necessary shattering for sides and earth work in excavation of foundation trenches and refilling the sides after completion of work etc. as specified.i). 300mm wide and average 150mm deep with bed slope 1 in 150 with initial depth of 100mm.	29.600	Rm.		

35	<p>Providing &amp; fixing White vitreous china water closet squatting pan (Indian type) along with "S" or "P" trap including dismantling of old WC seat and "S" or "P" trap at site complete with all operations including all necessary materials, labour and disposal of dismantled material i/c malba, all complete as per the direction of Engineer-in charge.</p> <p>14.80.1 Long pattern W.C Pan of size 580x440 mm W.C. pan with ISI marked white solid plastic seat and lid</p>	2.000	Each		
36	<p>Supplying fitting and fixing 87.5 degree PVC bend with door of (Supreme/Prince) or other ISI approved including joining , fitting and fixing etc. as necessary complete at all levels including below G.L. as directed and specified.</p> <p>a) In exposed surfaces or in trenches. (ii) 110mm dia.</p>	4.000	Each		
37	<p>Providing and fixing wash basin with C.I. brackets, 15 mm C.P. brass pillar taps, 32 mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever require:</p> <p>17.7.6 White Vitreous China Angle back wash basin size 400 x 400 mm with single 15 mm C.P. brass pillar tap</p>	2.000	Each		
38	<p>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 :</p> <p>17.10.2. Kitchen sink without drain board 17.10.2.3 470x420 mm bowl depth 178 mm</p>	1.000	Each		



39	Providing and fixing PTMT towel rail complete with brackets fixed to wooden cleats with CP brass screws with concealed fittings arrangement of approved quality and colour. 17.73.2 600 mm long towel rail with total length of 645 mm, width 78 mm and effective height of 88 mm, weighing not less than 190 gms.	2.000	Each		
40	Providing and fixing brass stop cock of approved quality : 18.16.1 15 mm nominal bore	4.000	Each		
41	Providing and fixing 600x450 mm beveled edge mirror of superior glass (of approved quality) complete with 6 mm thick hard board ground fixed to wooden cleats with C.P. brass screws and washers complete.	2.000	Each		
42	Providing and fixing C.P. brass angle valve for basin mixer and geyser points of approved quality conforming to IS:8931 18.53.1 15mm nominal bore.	2.000	Each		
43	Supplying, fitting and fixing PVC pipes of 6 Kg/cm <sup>2</sup> (Supreme/Prince) or other ISI approved including joining ,fitting and fixing wiyh clamps etc.as necessary complete at all levels including below G.L as directed and specified.				
	a) In exposed surfaces or in trenches. (ii) 110mm dia.	10.000	Rm		
	(vi) 50mm dia	6.000	Rm		
44	Supplying fitting and fixing Chrome Plated (C.P.) shower 15mm dia. Of approved brand as directed and specified. (Pipes will be measured and paid separately) Jaquar make a) Continental(iii) Pressure adjustable shower with revolving joint	2.000	Each		
45	Supplying fitting and fixing PVC single tee with door of (Supreme/Prince) or other ISI approved including joining , fitting and fixing etc. as necessary complete at all levels including below G.L. as directed and specified. a) In exposed surfaces or in trenches.				

	(ii) 110mm dia.	2.000	Each		
46	Supplying fitting and fixing approved uPVC Pipes of different sizes, with all necessary 'R' brand or similar approved uPVC fittings such as bend, tee, elbow, reducer, nipple, plug, long screw fitting, clamps etc. complete at all levels including below G.L as directed and specified.  (A) Exposed or in trenches. SUPREME/PRINCE/SFMC brand or other equivalent approved brand				
	(d) 25mm dia	10.000	Rm		
	(f) 15mm dia	15.000	Rm		
47	Providing, fitting and fixing recessed soap tray / soap dish complete as directed and specified.  (a) Parryware Make (ii) Wall Soap tray (Cat. No.C9951)	3.000	Each		
48	18.51 Providing and fixing C.P. brass long body bib cock of approved quality conforming to IS standards and weighing not less than 690 gms. 18.51.1 15 mm nominal bore.	2.000	Each		
49	Supplying fitting and fixing Chrome Plated (C.P.) sink cock of approved brand as directed and specified. (G.I. & C.P pipes will be measured and paid separately) (iii)Essco brand (a) Sink cock with "U" shape swinging casted spout	1.000	Each		
50	Providing fitting and fixing PVC cowel of ISI make complete as directed and specified.(iv)75 mm dia PVC cowel of ISI make	2.000	Each		

51	<p>Wiring for light/ fan/ call bell point with 2x1.5 sq mm P.V.C. insulated single core unsheathed industrial (Multistrand) cable FR conforming to IS-694: 1990 with flexible bright annealed electrolytic copper conductor for voltage grade up to 1100 volts (Finolex /RR Kabel /Nicco / Anchor or Equivalent Make as approved by the Deptt.) with flat 19 mm ISI marked casing 'n' capping (AKG / Precision/ Presto Plast/Polycab/ MW or equivalent make as approved by the Deptt.) in surface system, including 6 Amp flush type switch/ bell push (Anchor Penta/Gold medal /Kolor kany.Kom/ Havells or equivalent make as approved by the Deptt.) GI/ MS switch board (ISI marked) half conceal on wall with phenolic laminated sheet cover ,ceiling rose (Anchor/Gold medal /Kolor kany.Kom / Havells or equivalent make as approved by the Deptt.) etc. complete as directed and specified by the Deptt.</p> <p>1.1.1= Short point up to 3.00 metre. length.</p>	11.000	Each		
	<p>1.1.2= Medium point up to 6.00 metre. Length.</p>	5.000	Each		
52	<p>Wiring to 5 a pin 6 Amps plug point with 1.5 sq. mm P.V.C. insulated single core unsheathed industrial (Multistrand) cable FR conforming to IS-694: 1990 with flexible bright annealed electrolytic copper conductor for voltage grade up to 1100 volts (Finolex /RR Kabel /Nicco / Anchor or Equivalent Make as approved by the Deptt.) with flat 19 mm ISI marked casing 'n' capping (AKG / Precision/ Presto Plast/Polycab/ MW or equivalent make as approved by the Deptt.) in surface system, including 5 pin 6 Amps flush type plug socket and 6 Amps F/T switch (Anchor penta /Gold medal /Kolor kany.Kom/Havells or equivalent make as approved by the Deptt.), GI/ MS switch board (I.S.I. marked) with phenolic laminated sheet cover including earth continuity with 1.5 sq. mm. cable to third pin of the plug socket etc. as required complete, when placed elsewhere.</p> <p>1.2.1=Short point up to 3.00 metre. length.</p>	4.000	Each		

53	Wiring for 5/6 pin 16 Amps power plug point with 4 sq. mm. P.V.C. insulated single core unsheathed industrial (Multistrand) cable FR conforming to IS-694: 1990 with flexible bright annealed electrolytic copper conductor for voltage grade up to 1100 volts (Finolex /RR Kabel /Nicco / Anchor or Equivalent Make as approved by the Deptt.) with flat 19 mm ISI marked casing 'n' capping (AKG / Precision/ Presto Plast/Polycab/ MW or equivalent make as approved by the Deptt.) in 1.3.2= Medium point up to 6.00 metre. Length.	1.000	Each		
54	Wiring for drawing sub-main line with P.V.C. insulated single core unsheathed industrial (Multistrand) cable FR conforming to IS-694: 1990 with flexible bright annealed electrolytic copper conductor for voltage grade up to 1100 volts (Finolex /RR Kabel /Nicco / Anchor or Equivalent Make as approved by the Deptt.) in surface flat ISI marked casing 'n' capping (AKG / Precision/ Presto Plast/Polycab/ MW or equivalent make as approved by the Deptt.) system including earth continuity.  1.8.1=With 2 x 2.5 sq. mm. + earth continuity with 1x1.5 sq. mm. in flat 19 mm ISI marked casing 'n' capping system.	30.000	Rm		
55	Supplying fitting and fixing industrial Plug & Socket in surface mounting SPN sheet steel powder painted MCB DB incorporated with MCB DIN rail, neutral link Earth bar of the following rating of DP MCB complete with making necessary connection etc. as specified and directed by the Deptt.  13.1.1=20A Capacity. (ABB, Schneider MG, legrand, Hager make)	1.000	Each		
56	Supplying with fitting and fixing single Pole 10 KA 240/415V 50Hz MCB of the following capacity complete with making necessary connection as approved, specified and directed by the deptt.  16.1.1=B Series 16.1.1.1=6 to 32A	2.000	Each		

57	Supplying and fitting of 18/20 Watt CFL lamp in the existing batten holder/angle holder/decorative bracket/bulk head fitting/ pendent holder etc. as specified and directed by the deptt.	8.000	Each		
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58	Supplying including fitting fixing of following A.C. Ceiling fan complete with all accessories like down rod, canopy etc. of following sweeps with making necessary connection as approved by the Deptt.)as required complete and as directed by the Department [Without regulator].  27.1.2= Premium model 1200 mm Sweep (ORIENT PSPO make) / Premium model 1050 / 1200 mm Sweep SS-390 Deco Havells make).	4.000	Each		
59	Supplying including fitting fixing of following A.C. Exhaust fan in the existing hole on the wall of following sweeps with making necessary connection as approved by the Deptt.)as required complete and as directed by the Department.  27.2.1.2= Power Flow 225 mm sweep (ORIENT make)	3.000	Each		
60	Supplying fitting and fixing of ceiling fan regulator including connections etc. complete as required.  27.6.2= Electronic Type	4.000	Each		
61	Supply, installation & testing of G.I. earth station with perforated 40 mm dia and 4.50 Metre long heavy duty G.I. pipe with necessary 40 mm dia. G.I. Fittings such as Socket, Tee, elbow, nipple and 50 mmx40 mm G.I. reducing socket for funnel including locking arrangement 300 mmx300 mmx6 mm hinged cover C.I. earth plate complete with digging of earth pit, construction of brick chamber and plastering of both inner & outer surface of wall as specified and directed by the deptt .	1.000	Each		
		Net Amount:(A)		=	
		Add CGST @ 9% on (A):(B)		=	
		Add SGST @ 9% on (A):(C)		=	
		Total Amount: (A)+(B)+(C)		=	
		Say(Rs.)		=	
<b>In Words:</b>					