

## **BILL OF QUANTITY-CUM-PRICE SCHEDULE**

**Name of Project** : 220/33kV Substation at Masjid Moth.  
**Name of Work** : Balance Civil Works of Yard & Building.

S.No.	Item Description	Quantity	Unit	Unit Rate(Rs)	Amount(Rs)
1	Earthwork in excavation over areas (exceeding 30cm in depth 1.5m in width as well as 10sqm on plan) including disposal of excavated earth upto 100m and lift upto 3.5m, disposed earth to be levelled and neatly dressed.				
(a)	All kinds of soil.	150	cum	91.50	13725.00
2	Earthwork in excavation in foundation trenches or drains (not exceeding 1.5m in width as well as 10sqm on plan) including 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.				
(a)	All kinds of soil.	50	cum	93.55	4677.50
3	Filling available excavated earth (excluding 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.	50	cum	30.25	1512.50
4	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work upto plinth level.				
(a)	1:2:4(1 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size)	10	sqm	1843	18430.00
(b)	1:4:8(1 cement : 4 coarse sand : 8 graded stone aggregate 40mm nominal size)	30	cum	1404.7	42141.00
5	Extra for providing and mixing water proofing material in cement concrete work in the proportion recommended by the manufacturers.	170.00	per bag of 50kg of cement used in	19.25	3272.50
6	Providing and laying in position specified grade of reinforced cement concrete excluding the cost of centering, shuttering, finishing and reinforcement. - All works (rafts, footings, columns & beams) upto plinth level.				

S.No.	Item Description	Quantity	Unit	Unit Rate(Rs)	Amount(Rs)
(a)	1:1.5:3 (1 cement : 1.5 coarse sand : 3 graded stone aggregate 20mm nominal size)	200	cum	2116.2	423240.00
7	Reinforced cement concrete works above plinth level in walls (any thickness), including attached pilasters, buttresses, plinth and string courses, fillets, columns, pillars, piers, posts and struts, etc., upto floor V level excluding cost of centering, shuttering, finishing and reinforcement.				
(a)	1:1.5:3 (1 cement : 1.5 coarse sand : 3 graded stone aggregate 20mm nominal size)	14	cum	2351.35	32918.90
8	Reinforced cement concrete works above plinth in beams, suspended floors, roofs having slope upto 15°, landings, balconies, shelves, chajjas, lintels, bands, plain window sills, staircases and spiral stair cases upto floor five level excluding the cost of centring, shuttering, finishing and reinforcement with 1:1.5:3(1 cement: 1.5 coarse sand: 3 graded stone aggregate 20 mm nominal size).	49	cum	2120.65	103911.85
9	Centering and shuttering including strutting, propping, etc., and removal of form for:				
(a)	Foundations, footings, bases of columns, etc., for mass concrete.	75	sqm	61.10	4582.50
(b)	Suspended floors, roofs, landings, balconies and access platform.	320	sqm	111.20	35584.00
©	Lintels, beams, plinth beams, girders, bressumers and cantilevers.	12	sqm	87.95	1055.40
(d)	Columns, pillars, piers, abutments, posts and struts,	148	sqm	135.80	20098.40
(f)	Weather shades, chajjas, corbels etc., including edges.	40	sqm	134.45	5378.00
(g)	Walls in any thickness.	544	sqm	106.40	57881.60
10	Extra for additional height in centring, shuttering where ever required with adequate bracing, propping etc. including cost of de-shuttering and decentring at all levels, over a height of 3.5 m, for every additional height of 1 metre or part thereof (Plan area to be measured)				
(a)	Suspended floors, roofs, landing, beams and balconies (Plan area to be measured)	518	sqm	45.90	23776.20
11	Brickwork with bricks of class designation 75 in foundation and plinth in:				
(a)	Cement mortar 1:6 (1 cement : 6 fine sand)	44	cum	1384.5	60918.00
12	Extra for brickwork in superstructure above	44	cum	206.40	9081.60

S.No.	Item Description	Quantity	Unit	Unit Rate(Rs)	Amount(Rs)
13	Providing and fixing 20mm thick mirror polished, machine cut for column facia, kitchen platforms, vanity counters and similar locations of required size of approved shade, colour and texture laid over 20mm thick base cement mortar 1:4 (1 cement: 4 coarse sand) with joints treated with white cement, mixed with matching pigment, epoxy touch ups, including rubbing, curing etc. complete at all levels. (over 0.5sqm but upto 1sqm)				
(a)	Granite black.	5	sqm	2597.80	12989.00
14	Providing and fixing ISI marked flush door shutters decorative type ,core of block board construction with frame of Ist class hard wood and well matched reak 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters.				
(a)	35 mm thick including ISImarked Stainless Steel butt hinges with nessary screws.	20	sqm	1249.20	24984.00
15	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.				
(a)	300 X 16mm	15	each	90.70	1360.50
16	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.				
(a)	300 X 10mm	30	each	45.55	1366.50
17	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.				
(a)	125mm	15	each	33.05	495.75

S.No.	Item Description	Quantity	Unit	Unit Rate(Rs)	Amount(Rs)
18	Providing and fixing steel glazed doors, windows and ventilators of standard rolled steel sections, joints mitred and welded with 15X3mm lugs 10cm long, embedded in cement concrete blocks 15X10X10cm of 1:3:6 (1 cement : 3 coarse sand : 6 graditng except necessary hinges or pivots as required.ed stone aggregate 20mm nominal size) or with wooden plugs and screws or rawl plugs and screws or with fixing clips or with bolts and nuts as required, including providing and fixing of glass panes with glazing clips and special metal sash putty of approved make complete including applying a priming coat of approved steel primer, excluding the cost of metal beading and other fitting except necessary hinges or pivots as required.				
(a)	Fixed	18	sqm	776.90	13984.20
(b)	Openable	20	sqm	1065.75	21315.00
19	Providing and fixing T-iron frames for doors, windows and ventilators of mild steel Tee sections, joints mitred and welded with 15X3mm lugs 10cm long embedded in CC blocks 15X10X10cm of 1:3:6 or with wooden plugs and screws or rawl plugs and screws or with fixing clips or with bolts and nuts as required, including fixing of necessary butt hinges and screws and applying a priming coat of approved steel primer.	40	kg	27.55	1102.00
20	Providing and fixing pressed steel door frames 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:				
(a)	Profile C	10	RM	190.80	1908.00
21	Steelwork welded in built up sections/framed work including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc., as required.				

S.No.	Item Description	Quantity	Unit	Unit Rate(Rs)	Amount(Rs)
(a)	In covering of floors/trenches of control room building with chequered plates ,stringers, treads, landings etc of staircases involving use of chequered plate wherever required all complete.	550	kg	25.85	14217.50
(b)	In gratings, frames, guard bar, ladders, railings, brackets, gates and similar works.	1500	kg	29.15	43725.00
22	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.				
(a)	50mm thick with 20mm nominal size stone aggregate.	312	sqm	133.60	41683.20
23	52mm thick CC flooring with metallic 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 metallic concrete hardner consisting of mix 1:2 (1 cement hardner mix: 2 stone aggregate 6mm nominal size) by volume with which metallic hardening compound of approved quality is mixed in the ratio 4:1 (4 parts of cement : 1 part of metallic floor hardening compound of approved quality) by weight including cement slurry, but excluding the cost of nosing of steps etc., complete.	35	sqm	172.40	6034.00
24	Cement plaster skirting (upto 30cm height) with cement mortar 1:3 (1cement: 3 coarse sand) finished with a floating coat of neat cement.				
(a)	18mm thick	20	sqm	104.00	2080.00
25	40mm thick marble chips flooring, rubbed and polished to granolithic finish under layer 28mm thick cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 12.5mm nominal size) and top layer 12mm thick with white, black, chocolate,, grey, yellow or Baroda green marble chips of sizes from 7mm to 10mm nominal size laid in cement marble powder mix 3:1 (3 cement : 1 marble powder) by weight in proportion 2:3 (2 cement marble powder mix : 3 marble chips) by volume including cement slurry etc., complete.				
(a)	Light shade pigment with white cement.	35	sqm	268.15	9385.25

S.No.	Item Description	Quantity	Unit	Unit Rate(Rs)	Amount(Rs)
26	Marble chips skirting, rubbed and polished to granolithic finish top layer 6mm thick with white, black, chocolate,, grey, yellow or Baroda green marble chips of sizes from smallest to 4mm nominal size laid in cement marble powder mix 3:1 (3 cement : 1 marble powder) by weight in proportion 4:7 (4 cement marble powder mix : 7 marble chips) by volume .				
	18mm thick with under layer 12mm thick cement plaster 1:3 (1 cement: 3 coarse sand)				
(a)	Light shade pigment with white cement.	5	sqm	268.15	1340.75
27	Providing and fixing glass strips in joints of terrazo/cement concrete floors.				
	40mm wide and 4mm thick	130	RM	12.90	1677.00
28	White glazed tiles of minimum thickness 5mm in skirting, riser of steps and dado on 12mm thick cement plaster 1:3 (1 cement: 3 coarse sand) and jointed with white cement slurry and matching pigment, etc.	50	sqm	373.30	18665.00
29	Kota stone slab flooring over 20mm(average) thick base laid over and jointed with grey cement slurry mixed with pigment to match the shade of the slab including rubbing and polishing complete with:				
(a)	25mm thick (Base 1:4 (1 cement: 4 coarse sand)	25	sqm	493.10	12327.50
30	Providing and fixing homogenous polyvinyl chloride sheet/tile in flooring and skirting in approved pattern on a smooth and damp proof base using rubber based adhesive of approved quality and manufacturer like Dunlop S-758, Fevicol SR 998 or equivalent including rolling with light wooden roller weighing about 5kg all complete as directed by Engineer-in-charge, in approved colour and shade.				
(a)	2mm thick sheet	360	sqm	453.85	163386.00
31	Providing and fixing on wall face SCI rain water pipes including filling the joints with spun yarn, soaked in neat cement slurry and cement mortar 1:2 (1 cement: 2 fine sand).				
(a)	150mm dia.	20	RM	500.00	10000.00

S.No.	Item Description	Quantity	Unit	Unit Rate(Rs)	Amount(Rs)
<b>32</b>	Providing and fixing MS holder bat clamps of approved design to CI or SCI rain water pipes embedded in and including cement concrete blocks 10X10X10cm of 1:2:4 (1 cement:2 coarse sand: 4 graded stone aggregate 20mm nominal size) and cost of cutting holes and making good the walls, etc.				
<b>(a)</b>	150mm dia.	70	each	57.70	4039.00
<b>33</b>	Providing and fixing on wall face CI accessories for rain water pipes including filling the joints with spun yarn soaked in neat cement slurry and cement mortar 1:2 (1 cement: 2 fine sand)				
<b>(a)</b>	CI plain bend				
<b>(i)</b>	150mm dia.	4	each	156.00	624.00
<b>(b)</b>	CI plain shoes				
<b>(i)</b>	150mm dia.	4	each	156.00	624.00
<b>34</b>	15mm cement plaster of mix				
<b>(a)</b>	1:4 (1cement : 4coarse sand)	447	sqm	60.60	27088.20
<b>35</b>	20mm cement plaster of mix:				
<b>(a)</b>	1:4 (1cement : 4coarse sand)	358	sqm	73.90	26456.20
<b>36</b>	6mm cement plaster to ceiling of mix				
<b>(a)</b>	1:3 (1 cement : 3 fine sand)	211	sqm	40.00	8440.00
<b>37</b>	Add or deduct for plaster drip course/groove in plastered surface or moulding to RCC projections.	248	Rm	8.50	2108.00
<b>38</b>	Whitewashing with lime to give an even shade				
<b>(a)</b>	New work (3 or more coats)	400	sqm	4.65	1860.00
<b>39</b>	Applying priming coat				
<b>(a)</b>	With ready mixed pink or grey primer of approved brand and manufacture on wood work( hard and soft wood)	25	sqm	11.75	293.75
<b>(b)</b>	With ready mixed zinc chromate yellow primer of approved brand and manufacture on steel galvanised iron/ steel works.	25	sqm	8.75	218.75
<b>40</b>	Wall painting with plastic emulsion paint of approved brand and manufacture to give an even shade.				
<b>(a)</b>	Two or more coats on new work.	400	sqm	30.80	12320.00
<b>41</b>	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade:				
<b>(a)</b>	Two or more coats on new work.	50	sqm	24.25	1212.50

S.No.	Item Description	Quantity	Unit	Unit Rate(Rs)	Amount(Rs)
42	Painting with acid proof paint of approved brand and manufacture of required colour to give an even shade.				
(a)	Two or more coats on new work.	62	sqm	23.40	1450.80
43	Providing and fixing white vitreous china water closet squatting pan ( Indian type W.C. pan) 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.				
(a)	Orissa pattern W.C. Pan of size 580 x 440 mm with integral type foot rests flush pipe and overflow arrangement.	1	each	1767.45	1767.45
44	Providing and fixing white vitreous china pedestal type water closet ( European type W.C. Pan) 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 complete including painting of fittings and brackets, cutting and making good the walls and floors wherever required :				
(a)	W.C. pan with black solid plastic seat and lid with white vitreous china flushing cistern and CP flush bend.	1	each	2655.70	2655.70
45	Providing and fixing white vitreous china flat back or wall corner type lipped front urinal basin of 430 x 350 mm and 340 x 410 x 265 mm sizes respectively with automatic flushing cistern with C.I./ M.S brackets standard flush pipe and C.P. brass spreaders with brass unions and G.I. clamps complete, including painting of fittings and brackets, cutting and making good the walls and floors wherever required:				
(a)	Range of two urinal basins with 7.5 litre P.V.C automatic flushing cistern.	2	each	2344.15	4688.30



S.No.	Item Description	Quantity	Unit	Unit Rate(Rs)	Amount(Rs)
<b>46</b>	Providing and fixing white vitreous china wash basin with C.I./M.S. 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 required:				
<b>(a)</b>	Flat back wash basin size 550 x 400 mm with a pair of 15 mm C.P. brass pillar taps.	2	each	770.1	1540.20
<b>47</b>	Providing and fixing stainless steel kitchen sink as per I.S. 13983 with C.I. Brackets and stainless plug 40 mm including painting of fittings and brackets, cutting and making good the walls wherever required.				
<b>(a)</b>	Kitchen sink with drain board				
<b>(i)</b>	510X1040 bowl depth 178mm	1	each	2164.15	2164.15
<b>48</b>	Providing and fixing white vitreous china laboratory sink with C.I. Brackets CP brass chain and rubber plug 40 mm CP brass waste and 40mm CP brass trap with necessary brass unions complete including painting of fittings and brackets, cutting and making good the walls wherever required.				
<b>(a)</b>	Size 450 X 300 X 200 mm	1	each	1025.7	1025.70
<b>49</b>	Providing and fixing 100 mm sand cast iron grating for gully, floor or Nahani trap.	5	each	9.65	48.25
<b>50</b>	Providing and fixing 600 x 450 mm bevelled 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	each	385.90	771.80
<b>51</b>	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	146.65	293.30
<b>52</b>	Providing and fixing towel rail complete with brackets fixed to wooden cleats with C.P. Brass screws.				
<b>(a)</b>	C.P. Brass towel rail with two C.P. Brass brackets.				
<b>(i)</b>	600 x 20 mm size.	2	each	244.55	489.10

S.No.	Item Description	Quantity	Unit	Unit Rate(Rs)	Amount(Rs)
53	Providing and fixing toilet paper holder.				
(a)	CP brass.	2	each	83.65	167.30
54	Providing and fixing soil, waste and vent pipes:				
(a)	100 mm dia.				
(i)	Sand cast iron S & S pipe.	10	RM	258.95	2589.50
55	Providing and fixing M.S holder-bat clamps of approved design to Sand Cast iron/ cast iron ( spun ) pipe embedded in and including cement concrete blocks 10 x 10 cm of 1:2:4 mix ( 1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) including cost of cutting holes and making good the walls etc.				
(a)	For 100 mm dia pipe	10	each	44.35	443.50
56	Providing lead caulked joints to SCI pipes and fittings of diameter				
(a)	100mm	24	each	78.45	1882.80
57	Providing and fixing SCI trap of self cleansing design with SCI screwed down or hinged grating with or without vent arm complete, including cost of cutting and making good the walls and floors:				
(a)	100mm inlet and 100mm outlet.	9	each	359.80	3238.20
58	Providing and fixing G.I. Pipes complete with G.I. Fitting and clamps , including cutting and making good the walls etc. ( internal work).				
(a)	15 mm dia nominal bore.	50	RM	62.65	3132.50
(b)	20 mm dia nominal bore.	25	RM	78.65	1966.25
(c)	25 mm dia nominal bore.	40	RM	103.85	4154.00
59	Providing and fixing G.I. Pipes complete with G.I. Fitting and clamps , including trenching and refilling, etc. ( external work).				
(a)	40 mm dia nominal bore.	150	RM	116.50	17475.00
60	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.				
(a)	25 to 40mm nominal bore.	3	each	117.75	353.25
61	Providing and fixing brass bib cock of approved quality				
(a)	15mm nominal bore	5	each	100.15	500.75
62	Providing and fixing brass stop cock of approved quality				

S.No.	Item Description	Quantity	Unit	Unit Rate(Rs)	Amount(Rs)
(a)	15mm nominal bore	5	each	100.15	500.75
63	Providing and fixing ball valve brass of approved quality complete.				
(a)	High or low pressure with plastic floats				
(i)	15mm nominal bore	1	each	109.75	109.75
64	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. (Total no of tanks of various capacities required is approximately 2)	1000	per litre capacity	3.95	3950.00
65	Providing, laying and jointing glazed stoneware pipes grade 'A' with stiff mixture of cement mortar in the proportion of 1:3 ( 1 cement : 3 fine sand) including testing of joints etc. complete.				
(a)	150 mm diameter.	100	RM	110.35	11035.00
66	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.:				
(a)	100 x 100 mm size P type				
	With F.P.S bricks	2	each	489.20	978.40
67	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.				

S.No.	Item Description	Quantity	Unit	Unit Rate(Rs)	Amount(Rs)
(a)	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	5	each	2740.85	13704.25
68	Extra for depth for manholes				
(a)	Size 90X80cm				
(i)	With FPS bricks	5	RM	1702.15	8510.75
69	Providing and fixing anodised aluminium work for doors, windows, ventilators and partitions with extruded builtup standard tubular and other sections of approved make conforming to IS: 733 and IS:1285, anodised transparent or dyed to required shade according to IS: 1868. (Minimum anodic coating of grade AC 15), fixed with rawl plugs and screws or with fixing clips or with expansion fasteners including necessary filling up of gaps at junctions at top , bottom and sides with required PVC/neoprene felt, etc. Aluminium sections shall be smooth , rust free, straight, mitred and jointed mechanically wherever required including cleat angle, aluminium snap beading for glazing/panelling, CP brass/stainless steel screws, all complete as per architectural drawings and direction of Engineer-in-charge. (Glazing and panelling to be paid for separately).				
(a)	For fixed portion	25	kg	188.20	4705.00
(b)	For shutters of doors, windows & ventilators including providing and fixing hinges/pivots and fittings wherever required including the cost of PVC/neoprene gasket required				
		100	kg	189.50	18950.00
70	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).				
(a)	With glass panes of 5.5mm thickness (weight not less than 13.75kg/sqm)	10	sqm	525.75	5257.50
71	Providing and fixing double action hydraulic floor spring of approved brand and manufacture (conforming to IS:6315) for aluminium door including cost of cutting floors as required, embedding in floors and cover plates etc., complete as per the directions of Engineer-in-charge.				
		4	each	1626.85	6507.40

S.No.	Item Description	Quantity	Unit	Unit Rate(Rs)	Amount(Rs)
72	Providing and laying insitu nine course water proofing treatment with glass fibre tissue reinforced bitumen over roof consisting of first coat of bitumen primer @ 0.40kg per sqm, 2nd, 4th & 6th courses of bonding material @ 1.60 kg/sqm, which shall consist of blown type bitumen of grade 85/25 conforming to IS: 702, third, fifth and seventh layers of glass fibre tissue course as specified, ninth, the topmost layer of stone grit 6mm and down size pea gravel spread @ 6 cdm per sqm including preparation of surface excluding grading for slope etc, complete.	480	sqm	190	91200.00
73	Providing & fixing 45mm steel door made of double sheet 18G steel suitably reinforced and filled with mineral wool, including frame, etc., all complete as per specifications and directions of Engineer-in-charge.	9	sqm	1500.00	13500.00
74	Distempering with oil bound washable distemper of approved brand and manufacture two or more coats over and including priming coat with cement primer	700	sqm	29.7	20790.00
75	Finishing walls with water proofing cement paint 'Snowcem-plus' of M/s Snowcem India Limited ,or equivalent of required shade :New work(Two or more coats applied @ 3.84 kg/10 sqm)	950	sqm	23.1	21945.00
76	Making plinth protection 50mm thick of CC 1:3:6 (1 cement:3 coarse sand: 6 graded stone aggregate 20mm nominal size) over 75mm bed of dry brick ballast 40mm nominal size well rammed and consolidated and grouted with fine sand including finishing the top smooth.	62	sqm	131.2	8134.40
77	Brick edging 7 cm wide 11.4 cm deep to plinth ptotection with bricks of class designation 75 including grouting with cement mortar 1:4 (1 Cement :4 fine sand)	80	RM	11.05	884.00
78	Making khurras 45X45cm with average minimum thickness of 5cm cement concrete 1:2:4 (1 cement: 2 coarse sand: 4 graded stone aggregate of 20mm nominal size) over PVC sheet 1mX1mX400micron, finished with 12mm cement plaster 1:3 (1 cement: 3 coarse sand) and a coat of neat cement rounding the edges and making and finishing the outlet complete.	12	Each	68.5	822.00

S.No.	Item Description	Quantity	Unit	Unit Rate(Rs)	Amount(Rs)
79	Providing gola 75mmX75mm in cement concrete 1:2:4(1 cement: 2 coarse sand: 4 graded stone aggregate of 10mm and down gauge) including finishing with cement mortar 1:3(1cement :3 fine sand) as per standard design:	107	RM	43	4601.00
80	Applying one coat of cement primer of approved brand and manufacture on wall surface.	560	sqm	12.7	7112.00
81	Preparation of subgrade by excavating earth to an average of 22.5cm depth, dressing to camber and consolidating with road roller including making good the undulations etc., and disposal of surplus earth lead upto 50m.	660	sqm	21.50	14190.00
82	Extra for compaction of earthwork in embankment under optimum moisture conditions to give at least 95% of the maximum dry density (Proctor density)	660	sqm	2.90	1914.00
83	Supplying and stacking of graded stone aggregate at site of size range				
(a)	90mm to 45mm	160	cum	374.65	59944.00
(b)	63mm to 45mm	65	cum	389.65	25327.25
©	53mm to 22.4mm	65	cum	432.55	28115.75
84	Laying WBM with specified stone aggregate stone screening and blinding material including screening, sorting, spreading to template and consolidation with power road roller of 8 to 10 tonne capacity etc., complete (payment for stone aggregate, screenings, kankar, moorum and red bajri etc., to be made separately)				
(a)	Subbase with stone aggregate 90mm to 45mm including stone screening 13.2mm size.	160	cum	128.9	20624.00
(b)	Base course with stone aggregate 63mm to 45mm including stone screening 13.2mm size.	65	cum	122	7930.00
©	Base course with stone aggregate 53mm to 22.4mm including stone screening 11.2mm size.	65	cum	122	7930.00
85	Supplying and stacking of moorum at site	350	cum	264.70	92645.00
86	Supplying and stacking of stone screenings/chippings at site				
(a)	13.2mm nominal size (Type A)	25	cum	470.95	11773.75
(b)	11.2mm nominal size (Type B)	25	cum	465.10	11627.50

S.No.	Item Description	Quantity	Unit	Unit Rate(Rs)	Amount(Rs)
87	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.				
(a)	250mm dia. RCC pipe	25	RM	191.70	4792.50
(b)	300mm dia. RCC pipe	25	RM	259.45	6486.25
88	10cm thick (average) mud phaska of damped brick earth on roofs laid to slope consolidated and plastered with 25mm thick mud mortar with busha at 35kg per cum of earth and gobi leaping with mix 1:1 ( 1 clay : 1 cowdung) and covered with machine moulded tile bricks of class designation 125 conforming to IS : 2690 (Part I) - 1992 grouted with cement mortar 1:3 ( 1 cement : 3 fine sand ) mixed with 2% curde oil by weight of cement and finished neat.				
	With machine moulded F.P.S. brick tiles	480	cum	174.25	83640
89	Labour rate for reinforcement straightening, bending, binding, cutting and placing in positions and including binding wire etc complete. <b>(Reinforcement shall be supplied free of cost as per norms indicated in conditions of contract. ).The contractor's rate shall be inclusive of transportation from SAIL stockyard.</b>	28000	kg	3.5	98000
90	Providing & fixing in position precast cement concrete trench covers or perforated covers wherever necessary at various elevations in all kinds of work including moulding, formwork, mixing, laying out, compacting and curing, storing, transportation, erection without damage, setting in position with cement and sand mortar, grouting etc all as per specs, drawings and directions of Engr-in-Charge but excluding the cost of reinforcement, inserts, edge angles, etc.	25	cum	2000	50000
	Grade of concrete shall be 1:1.5:3 mix.				
	<b>TOTAL AMOUNT (Rs.)</b>				<b>2172430.50</b>