## PROPOSED HANDLOOM UNIT AT GOGAMUKH

LAKHIMPUR, ASSAM

## **ABSTRACT OF COSTS**

SI	Particulars	Ref	Amount (Rs)
1	ESTIMATES:		
1	HANDLOOM UNIT	A.0	
3	TOTAL =		

### Notes:

1) Estimates have been prepared in general as per the Delhi Schedule of Rates 2021.

2) Common Facilities include the Campus Development & Common Facilities Building which has been included in the Sericulture Unit.

## **PROPOSED HANDLOOM UNIT**

AT GOGAMUKH

LAKHIMPUR, ASSAM

# **BILL OF QUANTITIES**

## HANDLOOM UNIT BUILDING

SI	Particulars	Ref	Amount (Rs)
1	ESTIMATES:		
<b>A.</b> a) b) c)	HANDLOOM UNIT BUILDING: CIVIL WORK = PLUMBING & SANITATION WORK = ELECTRICAL WORK(Internal) =	A.1 A.2 A.3	
2	TOTAL =		
	Say =		

## Notes:

1) Estimates have been prepared in general as per the Delhi Schedule of Rates 2021.

# PROPOSED HANDLOOM UNIT AT GOGAMUKH

## LAKHIMPUR, ASSAM

# ESTIMATE - A.1 : CIVIL WORKS : HANDLOOM UNIT BUILDING

				Rate (Rs)	-
Item	Description	Quantity	Unit	(in figures and words)	Amount (Rs)
1	EARTHWORK				
1.1	EARTHWORK IN EXCAVATION				
DSR-Item no2.6	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means over areas (exceeding 30cm in depth 1.5 m in width as well as 10 sqm on plan) including getting out and disposal of excavated earth, lead upto 50m and lift upto 1.5m, as directed by Engineer-incharge All kinds of soil	259.3	CuM		
			00		
1.2 DSR'21 (2.25)	FILLING 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 up to 50 m and lift upto 1.5 m.	163.4	CuM		
1.3 DSR'21 (2.26)	Extra for every additional lift of 1.5 m or part thereof in excavation / banking excavated or stacked materials				
1.4 DSR'21 (2.25(a))	Excavating, supplying and filling of local earth (including royalty) by mechanical transport up to a lead of 5km also including ramming and watering of the earth in layers not exceeding 20 cm in trenches, plinth, sides of foundation etc. complete.	569.4	CuM		
1.5 DSR'21 (2.27)	Supplying and filling in plinth with sand under floors, including watering, ramming, consolidating				
	and dressing complete.	119.3	CuM		

1.6 DSR-Item no2.34	ANTITERMITE TREATMENT Supplying chemical emulsion in sealed containers including delivery as specified. Chlorpyriphos/ Lindane emulsifiable concentrate of 20%	103.3	Litre	
1.7 1.7.1 DSR-Item no 2.35.1	Diluting and injecting chemical emulsion for POST- CONSTRUCTIONAL anti-termite treatment (excluding the cost of chemical emulsion): Along external wall where the apron is not provided using chemical emulsion @ 7.5 litres / sqm of the vertical surface of the substructure to a depth of 300mm including excavation channel along the wall & rodding etc. complete With Chlorpyriphos/ Lindane E.C. 20% with 1% concentration	170.0	Metre	
<b>1.7.2</b> DSR-Item no 2.35.4	Treatment of soil under existing floors using chemical emul- sion @ one litre per hole, 300 mm apart including drilling 12 mm diameter holes and plugging with cement mortar 1 :2 (1 cement : 2 Coarse sand) to match the existing floor: With Chlorpyriphos/ Lindane E.C. 20% with 1% concentration	1084.5	SqM	
<b>2</b> 2.1 DSR'21 (4.1.5)	PLAIN CEMENT CONCRETE LEAN CONCRETE 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)	18.2	CuM	
3	REINFORCED CEMENT CONCRETE WORKS			

		1	1	1	 _
DSR'21	Providing and laying in position				
(5.33.1)					
(,	ready mixed or site batched				
	design mix cement concrete for				
	reinforced cement concrete work				
	using apares aggregate and fine				
	using coarse aggregate and the				
	aggregate derived from natural				
	sources. Portland Pozzolana /				
	Ordinary Portland (Portland Slag				
	Orumary Portianu / Portianu Siag				
	cement, admixtures in				
	recommended proportions as per				
	IS: 9103 to accelerate / retard				
	setting of concrete to improve				
	durability and workability without				
	impairing strength; including				
	pumping of concrete to site of				
	laving curing carriage for all				
	loads, but excluding the cost of				
	leaus, but excluding the cost of				
	centering, shuttering, finishing and				
	reinforcement as per direction of				
	the engineer-in-charge: for the				
	following grades of concrete				
	Noto: Extra somest un to 100/ of				
	Note: Extra cement up to 10% of				
	the minimum specified cement				
	content in design mix shall be				
	payable separately. In case the				
	cement content in design mix is				
	many then 110% of the analified				
	more than 110% of the specified				
	minimum cement content, the				
	contractor shall have discretion to				
	either re-design the mix or bear				
	the cost of extra cement				
2.4					
3.1	All works upto plinth level				
	Concrete of M25 grade with				
	minimum cement content of 330				
	kg /cum	777	CuM		
	kg / culli	,,,,	Cuivi		
3.2	All works above plinth level upto				
	floor V level				
DSR'21	Concrete of M25 grade with				
(5.33.2)					
(0.0012)	minimum cement content of 330				
	kg /cum	61.6	CuM		
4	FORMWORK				
4	FORIVIWORK				
	Centering and shuttering				
	including strutting, propping etc.				
	and removal of form for:				
11	Equipations footings bases of				
4.1	Foundations, footings, bases of				
(5.9.1)	columns, etc. for mass concrete	323.6	SqM		
4.2	the barren allathe barren				
4.2	Linteis, beams, plinth beams,				
(5.9.5)	girders, bressumers and				
	cantilevers	750.6	SqM		
			·		
4.2	Columna Dillara Diarr				
4.3	columns, Pillars, Piers,				
(5.9.6)	Abutments, Posts and Struts	328.7	SqM		
			·		
4.4	Suspended floors, roots, landings,				
(5.9.3)	balconies and access platform				
		1	1	1	

	(i) Using 38mm thick plank	17.0	SqM	
4.5 <i>(5.9.16)</i>	Edges of slabs and breaks in floors and walls Under 20 cm wide	52.2	RM	
4.6 (5.22)	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level. Thermo-Mechanically Treated bars of grade Fe-500D or more.	8908.7	Kg	
4.7 (5.22A)	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete above plinth level. Thermo-Mechanically Treated bars of grade Fe-500D or more.	6565.9	Kg	
5	MASONRY			
5.1	SOLING			
5.2	FULL BRICK WORK			
5.2.1 <i>DSR'21(6.1.1)</i>	Brick work with common burnt clay F.P.S. (non-modular) bricks of class designation 7.5 in foundation and plinth in: Cement mortar 1:4 (1 cement: 4 coarse sand)	87.8	CuM	
5.3 5.3.1 DSR'21 (6.12)	HALF BRICK WORK Half brick masonry with common burnt clay F.P.S. (non-modular) bricks of class designation 7.5 in foundations and plinth in: cement mortar 1:4 (1 cement: 4 coarse sand)	974.7	SqM	
5.3.2 DSR'21 (6.15)	Extra for providing and placing in position 2 Nos 6mm dia. M.S. bars at every third course of half brick masonry.	974.7	SqM	
<b>6</b> 6.1 <i>DSR'21</i> (11.3)	<b>FLOOR FINISHES</b> Cement concrete flooring 1:2:4 (1 cement : 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. 40 mm thick with 20 mm nominal size stone aggregate	1137.3	SqM	

6.2 DSR'21 (11.6)	Cement plaster skirting up to 30 cm height, with cement mortar 1:3 (1 cement : 3 coarse sand), finished with a floating coat of neat cement. 18 mm thick	37.0	SqM	
6.3 DSR'21 (11.13)	Providing and fixing glass strips in joints of terrazo/ cement concrete floors. 40 mm wide and 4 mm thick	812.1	RM	
		012.11		
6.4 DSR'21 (8.31)	CERAMIC TILES ON WALLS Providing and fixing Ist 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 dados, over 12 mm thick bed of cement mortar 1:3 (1 cement : 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm, including pointing in white cement mixed with pigment of matching shade complete.	34.5	SqM	
-	DIAGTERING			
<b>7</b> 7.1 <i>DSR'21</i> (13.1)	PLASTERING CEMENT PLASTERING 12 mm cement plaster of mix : 1:6 (1 cement: 6 fine sand)	1754.5	SqM	
7.2DSR'21(13.2)	15 mm cement plaster on the rough side of single or half brick wall of mix :1:6 (1 cement: 6 fine sand)	567.5	SqM	
7.3 DSR'21 (13.16)	6 mm cement plaster of mix : 1:3 (1 cement : 3 fine sand)	17.0	SqM	
8 8.1 DSR'21 (10.2)	<b>STEELWORK</b> ROOF STRUCTURE Structural steel work riveted, bolted or welded in built up sections, trusses and framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete.	23571.7	Kg	
8.2 DSR'21 (10.20)	Providing and fixing bolts including nuts and washers complete.	130.2	Kg	

8.3	ROLLING SHUTTER				
DSR'21	Supplying and fixing rolling				
(10.6)	shutters of approved make, made				
	of required size M.S. 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 push and pull				
	operation complete, including the				
	cost of providing and fixing				
	springs manufactured from high				
	tensile steel wire of adequate				
	strength conforming to IS: 4454 -				
	part 1 and M.S. top cover of				
	required thickness for rolling				
	shutters				
	80x1.25 mm M.S. laths with 1.25				
	mm thick top cover	7.2	SqM		
8.4	RAILINGS & OHT				
DSR'21 (10.26)	Providing and fixing hand rail of				
(10.20)	approved size by welding etc. to				
	steel ladder railing, balcony railing,				
	including applying priming cost of				
	annroved steel nrimer				
	M.S. tube	1683.9	Kg		
8.5	DOOR FRAMES				
DSR'21(10.14.3)	Providing and fixing pressed steel				
	door frames conforming to IS:				
	4351, manufactured from				
	1 60 mm thicknoss, including				
	hinges jamb lock jamb head and				
	if required angle threshold of mild				
	steel angle of section 50x25 mm.				
	or base ties of 1.60 mm, pressed				
	mild steel welded or rigidly fixed				
	together by mechanical means,				
	including M.S. pressed butt hinges				
	2.5 mm 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				
	charge:				
	Profile F				
	Fixing with adjustable lugs with				
	split end tail to each iamb	110.2	DNA		
	· · · · · · · · · · · · · · · · · · ·	119.5			
8.6	WINDOWS AND VENTILATORS				
		1	1	1	1

8.6.1 DSR'21 (10.31)	Providing and fixing angle iron frames for doors, windows and ventilators of mild steel Angle sections of size 35x35x5 mm, joints mitred and welded by angle iron 35x35x5 mm or 35x 5 mm flat pieces to the existing T-iron frame or to the wall with dash fastener, including fixing of necessary butt hinges and screws and applying a priming coat of approved steel primer, all complete as per the direction of Engineer-In-charge.	1617.6	Kg
8.6.2 DSR'21 (10.30)	Providing & fixing glass panes with putty and glazing clips in steel doors, windows, clerestory windows, all complete with: 4.0 mm thick glass panes	81.3	SqM
8.7 DSR'21 (9.48)	GRILLES Providing and fixing M.S. grills of required pattern in frames of windows etc. with M.S. flats, square or round bars etc. including priming coat with approved steel primer all complete. Fixed to openings /wooden frames with rawl plugs screws etc.	1276.5	Kg
<b>9</b> DSR'21 (12.45)	GYPSUM BOARD CEILING Providing and fixing false ceiling at all height including providing and fixing of frame work made of special sections, power pressed from M.S. sheets and galvanized with zinc coating of 120 gms/sqm (both side inclusive) as per IS : 277 and consisting of angle cleats of size 25 mm wide x 1.6 mm thick with flanges of 27 mm and 37mm, at 1200 mm centre to centre, one flange fixed to the ceiling with dash fastener 12.5 mm dia x 50mm long with 6mm dia bolts, other flange of cleat fixed to the angle hangers of 25x10x0.50 mm of required length with		

10	nuts & boits of required size and other end of angle hanger fixed with intermediate G.I. channels 45x15x0.9 mm running at the spacing of 1200 mm centre to centre, to which the ceiling section 0.5 mm thick bottom wedge of 80 mm with tapered flanges of 26 mm each having lips of 10.5 mm, at 450 mm centre to centre, shall be fixed in a direction perpendicular to G.I. intermediate channel with connecting clips made out of 2.64 mm dia x 230 mm long G.I. wire at every junction, including fixing perimeter channels 0.5 mm thick 27 mm high having flanges of 20 mm and 30 mm long, the perimeter of ceiling fixed to wall/partition with the help of rawl plugs at 450 mm centre, with 25mm long dry wall screws @ 230 mm interval, including fixing of gypsum board to ceiling section and perimeter channel with the help of dry wall screws of size 3.5 x 25 mm at 230 mm c/c, including jointing and finishing to a flush finish of tapered and square edges of the board with recommended jointing compound , jointing tapes , finishing with jointing compound in 3 layers covering upto 150 mm on both sides of joint and two coats of primer suitable for board, all as per manufacturer's specification and also including the cost of making openings for light fittings, grills, diffusers, cutouts made with frame of perimeter channels suitably fixed, all complete as per drawings, specification and direction of the Engineer in Charge but excluding the cost of painting with : 12.5 mm thick tapered edge gypsum plain board conforming to IS: 2095- (Part I) :2011 (Board with BIS certification marks)	996.5	SqM	
<b>10</b> 10.1	ROOFING METAL ROOFING			

DSR'21(12.50)	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 Engineer-in-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 shape wherever required.	1256.6	SqM	
10.2 DSR'21 (12.51)	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)	122.0	RM	
11	WOODWORK FLUSH DOOR			
DSR'21 (9.20)	Providing and fixing ISI marked flush door shutters conforming to IS : 2202 (Part I) decorative type, core of block board construction with frame of 1st class hard wood and well matched teak 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters. 25 mm thick (for cupboard) including ISI marked nickel plated bright finished M.S. Piano hinges IS : 3818 marked with necessary screws	47.6	SqM	
<b>12</b> 12.1	PAINTING INTERIOR PAINT			

DSR'21 (13.39)	Colour washing such as green, blue or buff to give an even shade			
	New work (two or more coats) with a base coat of white washing with lime	1754.5	SqM	
12.2 DSR'21 (13.80)	Providing and applying white cement based putty of average			
(1000)	thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare			
	the surface even and smooth complete.	20.0	SqM	
12.3 DSR'21 (13.42)	Distempering with 1st quality acrylic distemper (ready mixed)			
	gms/litre, of approved manufacturer, of required shade			
	and colour complete, as per manufacturer's specification. Two or more coats on new work.	20.0	SaM	
12.4		20.0		
12.4 DSR'21	EXTERIOR PAINT Finishing walls with water proofing			
(13.44)	cement paint of required shade :			
	New work (Two or more coats applied @ 3.84 kg/10 sgm)			
		567.5	SqM	
12.5	PAINTING ON STEEL			
12.5.2 DSR'21 (13.61)	Painting with synthetic enamel paint of approved brand and			
()	manufacture to give an even			
	shade : Two or more coats on new work	2229.6	SqM	
12				
13	FITTINGS (DOOK) WINDOW			
DSR'21	Providing and fixing aluminium			
(3.30)	siiding door bolts, ISI marked anodised (anodic coating not less			
	than grade AC 10 as per IS : 1868),			
	transparent or dyed to required			
	screws etc. complete :			
13.1	Sliding Door Bolts			
	300 mm x 16 mm	23.0	Each	
13.2	Providing and fixing aluminium			
DSR'21	tower bolts, ISI marked, anodised			
(9.97)	(anodic coating not less in an grade AC 10 as per IS : 1868 )			
1	. ,	1	1	
	transparent or dyed to required			
	transparent or dyed to required colour or shade, with necessary			
	transparent or dyed to required colour or shade, with necessary screws etc. complete : 300 x 10 mm	23.0	Each	

13.4 DSR'21 (9.103)Providing and fixing bright finished brass 100 mm mortice latch and lock, ISI marked, with six levers and a pair of anodised (anodic coating not less than grade AC 10 as per IS: 1868) aluminium lever handles of approved quality with necessary screws etc. complete.23.0Set14 DSR'21(4.17)PLINTH PROTECTION 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 nomial 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.204.0SqM15 DSR'21 (6.44)Brick edging 7cm wide 11.4 cm deep to plinth protection with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 including grouting with cement mortar 1:4 (1 cement : 4 fine sand).170.0Rm16 DSR'21 (6.42)DRAIN in drains including supply of bricks and preparing the surface complete : With common burnt clay F.P.S. (non modular) bricks of class designation 7.5102.0SqM	13.3 DSR'21 (9.100)	Providing and fixing aluminium handles, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade, with necessary screws etc. complete : 125 mm	23.0	Each	
14 DSR'21(4.17)PLINTH PROTECTION 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.204.0SqM15 DSR'21 (6.44)Brick edging 7cm wide 11.4 cm deep to plinth protection with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 including grouting with cement mortar 1:4 (1 cement : 4 fine sand).170.0Rm16 DSR'21 (16.12)DRAIN Dry brick pitching half brick thick in drains including supply of bricks and preparing the surface 	13.4 DSR'21 (9.103)	Providing and fixing bright finished brass 100 mm mortice latch and lock, ISI marked, with six levers and a pair of anodised (anodic coating not less than grade AC 10 as per IS : 1868) aluminium lever handles of approved quality with necessary screws etc. complete.	23.0	Set	
15 DSR'21 (6.44)Brick edging 7cm wide 11.4 cm deep to plinth protection with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 including grouting with cement mortar 1:4 (1 cement : 4 fine sand).170.0Rm16 DSR'21 (16.12)DRAIN Dry brick pitching half brick thick in drains including supply of bricks and preparing the surface complete : With common burnt clay F.P.S. (non modular) bricks of class designation 7.5102.0SqM17 PAVED AREAPAVED AREAImage: Second Sec	14 DSR'21(4.17)	PLINTH PROTECTION 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.	204.0	SqM	
16 DSR'21 (16.12)DRAIN Dry brick pitching half brick thick in drains including supply of bricks and preparing the surface complete : With common burnt clay F.P.S. (non modular) bricks of class designation 7.5102.0SqM17PAVED AREA102.0SqM	15 DSR'21 (6.44)	Brick edging 7cm wide 11.4 cm deep to plinth protection with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 including grouting with cement mortar 1:4 (1 cement : 4 fine sand).	170.0	Rm	
17 PAVED AREA	<b>16</b> DSR'21 (16.12)	DRAIN Dry brick pitching half brick thick in drains including supply of bricks and preparing the surface complete : With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	102.0	SqM	
17.1 SUB-GRADE	<b>17</b> 17.1	<b>PAVED AREA</b> SUB-GRADE			

DSR'21 (16.1)	Preparation and consolidation of sub grade with power road roller of 8 to 12 tonne capacity after excavating earth to an average of 22.5 cm depth, dressing to camber and consolidating with road roller including making good the undulations etc. and re-rolling the sub grade and disposal of surplus earthwith lead upto 50 metres.	53.0	SqM	
17.2 DSR'21 (16.7)	Brick edging in full brick width and half brick depth including excavation, refilling and disposal of surplus earth lead upto 50 metres. With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	41.3	Metre	
17.3 DSR'21(16.91)	PAVER BLOCKS Providing and laying factory made chamfered edge Cement Concrete paver blocks in footpath, parks, lawns, drive ways or light traffic parking etc, of required strength, thickness & size/ shape, made by table vibratory method using PU mould, laid in required colour & pattern over 50mm thick compacted bed of sand, compacting and proper embedding/laying of inter locking paver blocks into the sand bedding layer through vibratory compaction by using plate vibrator, filling the joints with sand and cutting of paver blocks as per required size and pattern, finishing and sweeping extra sand. complete all as per direction of Engineer-in-Charge. 80 mm thick C.C. paver block of M- 30 grade with approved color design and pattern.	53.0	SqM	
TOTAL FOR CI	VIL WORK / HANDLOOM UNIT (A.1	.) =		

# PROPOSED HANDLOOM UNIT AT GOGAMUKH

## LAKHIMPUR, ASSAM

# ESTIMATE - A.2: PLUMBING & SANITARY WORK (Handloom Unit)

ltem	Description	Quantity	Unit	Rate (Rs) (in figures and words)	Amount (Rs)
1 1.1 DSR'21 (17.2)	SANITARY WORKS EUROPEAN TYPE WATER CLOSET Providing and fixing white vitreous china pedestal type water closet (European type W.C. pan) with seat and lid, 10 litre low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever), conforming to IS : 7231, with all fittings and fixtures complete, including cutting and making good the walls and floors wherever required : W.C. pan with ISI marked white solid plastic seat and lid	3.0	Each		
1.2 DSR'21 (17.16A)	Providing and fixing 8 mm dia C.P. / S.S. Jet with flexible tube upto 1 metre long with S.S. triangular plate to Eureopean type W.C. of quality and make as approved by Engineer - in - charge.	3.0	Each		
1.3 DSR'21 (17.4)	URINAL Providing and fixing white vitreous china flat back or wall corner type lipped front urinal basin of 430x260x350 mm and 340x410x265 mm sizes respectively with automatic flushing cistern with 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 : One urinal basin with 5 litre white P.V.C. automatic flushing cistern	3.0	Each		

1.4 DSR'21 (17.7)	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: White Vitreous China Wash basin size 550x400 mm with a pair of 15			
	mm C.P. brass pillar taps	3.0	Each	
1.5 DSR'21 (17.8)	Providing and fixing white vitreous china pedestal for wash basin completely recessed at the back for the reception of pipes and fittings.	3.0	Each	
1.6DSR'21(17.10)	KITCHEN SINK (STAINLESS STEEL) 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 without drain board 610x510 mm bowl depth 200 mm	1.0	Each	
1.7 DSR'21 (17.32)	Providing and fixing mirror of superior glass (of approved quality) and of required shape and size with plastic moulded frame of approved make and shade with 6 mm thick bard board backing :			
i) ii)	Rectangular shape 453x357 mm Rectangular shape 1500x450 mm	2.0 1.0	each each	
1.8 DSR'21 (17.33)	Providing and fixing 600x120x5 mm glass shelf with edges round 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.	3.0	each	
1.9 DSR'21 (18.65)	Providing and fixing PTMT soap Dish Holder having length of 138mm, breadth 102mm, height of 75mm with concealed fitting arrangements, weighing not less than 106 gms.	3.0	each	
1.10 DSR'21 (17.73)	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.			

	450 mm long towel rail with total length of 495 mm, 78 mm wide and effective height of 88 mm, weighing not less than 170 gms	3.0	each	
1.11 DSR'21 (17.34)	Providing and fixing toilet paper holder C.P. brass	3.0	each	
1.12 DSR'21 (17.69)	Providing and fixing PTMT Waste Coupling for wash basin and sink, of approved quality and colour.			
	Waste coupling 38 mm dia of 83 mm length and 77mm breadth, weighing not less than 60 gms	4.0	each	
1.13 DSR'21 (17.70)	Providing and fixing CP Brass 32mm size Bottle Trap of approved quality & make and as per the direction of Engineer-in-charge.	4.0	each	
1.14	Providing and fixing soil, waste and vent pipes :			
DSR'21 17.35	100mm dia Centrifugally cast (spun) iron socket & spigot (S&S) pipe as per IS: 3989	58.9	Metre	
1.15 <i>DSR'21(17.37</i> )	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 10x10x10 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. : For 100 mm dia pipe	14.0	each	
1.16 DSR'21 (17.37)	Providing and fixing bend of required degree with access door, insertion rubber washer 3 mm thick, bolts and nuts complete. 100 mm dia			
1.17 DSR'21	Sand cast iron S&S as per IS - 3989 Providing and fixing plain bend of required degree.	5.0	each	
(17.39)	100 mm dia Sand cast iron S&S as per IS : 3989	2.0	each	
1.18	Providing and fixing heel rest sanitary bend			
изк 21 17.40	100 mm dia Sand cast iron S&S as per IS - 3989	3.0	each	

		I		
1.19 DSR'21 (17.43)	Providing and fixing single equal plain junction of required degree with access door, insertion rubber washer 3 mm thick, bolts and nuts complete. 100x100x100 mm Sand cast iron S&S as per IS - 3989	2.0	each	
1.2	Providing and fixing terminal guard			
	:			
DSR'21	100 mm			
17.56	Sand cast fron S&S as per IS - 3989	2.0	each	
1.21 DSR'21 (17.58)	Providing lead caulked joints to sand cast iron/centrifugally cast (spun) iron pipes and fittings of diameter : 100 mm	10.0	each	
1.22 DSR'21 (17.60)	Providing and fixing trap of self cleansing design with screwed down or hinged grating with or without vent arm complete, including cost of cutting and making good the walls and floors : 100 mm inlet and 100 mm outlet Sand cast iron S&S as per IS: 3989	3.0	each	
1.23 DSR'21 (17.65)	Painting sand cast iron/ centrifugally cast (spun) iron soil, waste vent pipes and fittings with two coats of synthetic enamel paint of any colour such as chocolate grey, or buff etc. over a coat of primer (of approved quality) for ew work : 100 mm diameter pipe	58.9	metre	
1.24 DSR'21 (19.33)	Making soak pit 2.5m diameter 3.0 metre deep with 45 x 45 cm dry brick honey comb shaft with bricks and S.W. drain pipe 100 mm diameter, 1.8 m long complete as per standard design. With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	1.0	each	
2	INTERNAL WATER SUPLY WORKS PIPING			

2.1 DSR'21 (18.7)	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer in Charge. 15 mm nominal dia Pipes 20 mm nominal outer dia pipe 32 mm nominal outer dia pipe	6.0 6.0 54.1 4.5	RM RM RM RM	
	ВІВ СОСК			
<b>2.2</b> DSR'21 (18.49)	Providing and fixing C.P. brass bib cock of approved quality conforming to IS:8931 : 15 mm nominal bore	5.0	Each	
		5.0	Each	
2.3 DSR'21 (18.52)	STOP COCK Providing and fixing C.P. brass stop cock (concealed) of standard design and of approved make conforming to IS:8931.			
	15 mm nominal bore	6.0	Each	
<b>2.4</b> DSR'21 (18.50)	SINK COCK Providing and fixing C.P. brass long nose bib cock of approved quality conforming to IS standards and weighing not less than 810 gms. 15 mm nominal bore	1.0	Each	
2.5 DSR'21	SHOWER Providing and fixing C.P. brass shower rose with 15 or 20 mm			
(18.22)	inlet 100 mm diameter	3.0	Each	
<b>2.6</b> DSR'21 (18.19)	VALVE Providing and fixing gun metal non- return valve of approved quality (screwed end) : 25 mm nominal bore			
	Horizontal	1.0	Each	
<b>3</b> 3.1 <i>DSR'21(12.41)</i>	<b>RAINWATER PIPES</b> 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,(i) Single socketed pipes.			
	110 mm diameter	26.4	RM	

		1		
3.2	Providing and fixing on wall face			
DSR'21	unplasticised - PVC moulded			
(12.42)	fittings/ accessories for			
	unplasticised Rigid PVC rain water			
	pipes conforming to IS : 13592			
	ring conforming to IS : E282			
	leaving 10 mm gap for thermal			
	expansion			
3.2.1	Bend 87.5°			
	110 mm	4.0	each	
3.2.2	Coupler	4.0	caen	
	110 mm	6.0	each	
3.2.3	Single tee with door	0.0	each	
	110x110x110 mm	6.0	aaah	
		0.0	each	
3.3	Providing and fixing unplasticised -			
DSR'21	PVC pipe clips of approved design			
(12.43)	to unplasticised - PVC rain water			
	pipes by means of 50x50x50 mm			
	hard wood plugs, screwed with			
	M.S. screws of required length,			
	including cutting brick work and			
	fixing in cement mortar 1.4 (1			
	making good the wall etc			
	complete.			
	110 mm	6.0	each	
4	WATER TANK			
- DSR'21	Providing and placing on terrace			
(18.48)	(at all floor levels) polyethylene			
	water storage tank, IS : 12701			
	marked, 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.	2000.0	Litre	
5	SEPTIC TANK			
5	Supplying and placing plastic			
	cylindrical vertical claused top			
	(PVC) tank with manhole cover			
	with locking and cleaning			
	arrangement including providing			
	pads of size as required for inlet			
	and outlet pipes			
	4000 Ltr Capacity	1.0	each	
	DINC 9 CANITADY MODEL / HANDLOOM	I INIIT ( A 3) -		
TOTAL: PLUIM	DING & SANITART WORK / HANDLOUM	UNIT (A.Z) =		

## ESTIMATE OF INTERNAL ELECTRIFICATION WORKS FOR HANDLOOM UNIT AT GOGAMUKH

SI.No. / Sch. No.	Description of work	Qnty	Unit	Rate(Rs.)	Amount(Rs.)
A)	As per DSR (EM) 2022 Items :-				
1	INTERNAL WORK				
	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit, with modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable etc. as required.				
1.10.1	Group A	12	Each		
1,10.2	Group B	70	Fach		
1.10.2		70	Each		
1.10.3	Group C	59	Each		
1.12	Wiring for light/ power plug with 2X4 sq. mm FRLS PVC insulated copper conductor single core cable in surface/ recessed medium class PVC conduit alongwith 1 No. 4 sq. mm FRLS PVC insulated copper conductor single core cable for loop earthing as required.	61	Metre.		
1.14	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as required.				
1.14.1	2 X 1.5 sq. mm + 1 X 1.5 sq. mm earth wire	350	Metre.		
1.14.2	2 X 2.5 sq. mm + 1 X 2.5 sq. mm earth wire	1200	RM		
1.14.3	2 X 4 sq. mm + 1 X 4 sq. mm earth wire	400	Metre		
1.14.4	2 X 6 sq. mm + 1 X 6 sq. mm earth wire	50	Metre		
1.14.9	4 X 6 sq. mm + 2 X 6 sq. mm earth wire	120	Metre.		

4	Supplying and fixing following			
	modular switch/ socket on the			
	including connections but excluding			
	modular plate etc. as required.			
1.26	Supplying and fixing modular blanking			
	plate on the existing modular plate			
	& switch box excluding modular			
	plate asrequired.	80	Each	
1.24.5	6 pin 15/16 A socket outlet	10	Each	
1.24.4	3 pin 5/6 A socket outlet	61	Each	
1.24.3	15/16 A switch	10	Each	
1.24.1	5/6 A switch	201	Each	
1.27	Supplying and fixing following size/			
	modules, GI box along with modular			
	base & cover plate for modular switches			
	in recess etc. as required.			
1.27.1	1 or 2 Module (75mmX75mm)	5	Each	
1.27.2	3 Module (100mmX75mm)	40	Each	
1.27.3	4 Module (125mmX75mm)	11	Each	
1.27.4	6 Module (200mmX75mm)	1	Each	
1.27.5	8 Module (125mmX125mm)	5	Each	
1.27.6	12 Module (200mmX150mm)	37	Each	
6/	Supplying and fixing two module			
1.25	stepped type electronic fan regulator			
	on the existing modular plate switch			
	box including connections but excluding			
		55	Each	
1	Supplying and fixing of following ways			
	surface/ recess mounting, vertical			
	type, 415 V, IPN MCB distribution			
	duly powdor painted inclusive of 200			
	A tinned copper bus bar, common			
	neutral link earth bar din bar for			
	mounting MCBs (but without MCBs			
	and incomer) as required. (Note :			
	Vertical type MCB TPDB is normally			
	used where 3 phase outlets are			
	required.)			
2.4.1	4 way (4 + 12), Double door	3	Each	

8/ 2.16	Supplying and fixing DP sheet steel enclosure on surface/ recess along with 25/32 A 240 V "C" curve DP MCB complete with connections, testing and commissioning etc. as required.	1	each	
9/	Supplying and fixing 5 A to 22 A			
5	rating, 240/415 V, 10 kA, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.			
2.10.1	Single pole	37	Each	
10	Supplying and fixing following rating, four pole, 415 V, isolator in the existing MCB DB complete with connections, testing and commissioning etc. as required.			
2.13.1	40 A	1	Each	
2.13.2	63 A	6	Each	
11/ 2.17	Supplying and fixing TP sheet steel enclosure on surface/ recess along with 16/25/32 A 415 V "C" curve TP MCB complete with connections, testing and commissioning etc. as required.	2	each	
12	Providing and fixing following rating and breaking capacity and pole MCCB with thermomagnetic release and terminal spreaders in existing cubicle panel board including drilling holes in cubicle panel, making connections, etc. as required.			
2.2.15	200 A,36KA,FPMCCB	1	Each	
13.00	Earth Station:			
5.2	Earthing with G.I. earth pipe 4.5 metre long, 40 mm dia including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc. with charcoal/ coke and salt as required.	4	Each	
14/ 5.7	Supplying and laying 6 SWG G.I. wire at 0.50 metre below ground level for conductor earth electrode, including connection/ termination with GI thimble etc. as required.	250	Motor	
L		250	Ivieter	

15/ 7.1	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size direct in ground including excavation, sand cushioning, protective covering and refilling the trench etc as required.				
7.1.3	Above 95 sq. mm and upto 185 sq. mm	200	Metre		
	Total of Schedule items (A)				
B)	Non Schedule items •_ As nor Morket rote			]	
1	Supply of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size for laying direct in ground with excavation, sand cushioning, protective covering and refilling the trench etc as required. a) 3.5Core 150 Sq.mm PVCA Aluminium	200.00			
	Cable	200.00	Meter		
1	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].				
	1200 mm Sweep Orient make cat no. PEAK AIR or Equivalent make	55	Each		
2/ 27.2.1	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.				
	Domestic				
	Hill Air 300 mm sweep (Orient make)	6	Each		

3/				
10.19	Supplying including installation, commissioning of vermin and dust proof totally enclosed, Phosphatised Powder Painted cubical indoor type floor/wall mounting compartmentalize panel board of size 1.35M X 1.50MX 0.40M made of 16 SWG/1.66 mm thick C.R. sheet and 35mm X 35mm X 5mm size angle having 4 no legs at the bottom. The panel board is to be erected in 1 : 3 : 6 PCC foundation including brick soling / grouting etc. complete neatly Wiring done with provision for one no 250 A 4pole MCCB or Switch Fuse Unit as incomer and provision for 8nos DP or TPN out going as specified and directed by the deptt. confirming to IP 43 protection comprising of the following electrical items:			
	1.25mm X 5mm 4 strip copper Bus-Bar 1.4 M length each			
	2. Digital 3 Phase Voltmeter Accuracy class			
	3. Digital 3 Phase Ammeter Accuracy class			
	4. Pilot Lamp with integral ckt LED 110- 230 V (Red, Yellow,& Blue - 3 no			
	5. Voltmeter & Ammeter Selector Switch - 2 no			
	6. 2 A Slide fuse unit - 3nos			
	(Incoming & Outgoing Switch Gear of reqd. rating will be measured and paid separately)	1	Each	
4/	Supplying with fitting and fixing 4P 10 KA 240/415V 50Hz MCB of the following capacity complete with making necessary connection as approved, specified and directed by the deptt.			
	C Series legrand, Hager make)			
	40A	2	Each	
	63A	4	Each	
5/	Supplying with fitting and fixing sheet steel, phosphatised, powder painted Single door surface mounting MCB enclosure incorporated with bas-bar, Neutral link, Earth bar and din rail etc fitted on wall with grouting nuts & bolts as reqd. complete with making necessary connection as approved, specified and directed by the deptt.			
2	4 way single door	Z	Each	
2	ILLUMINATION :-			

	Supply ,installation,testing & Commissioning of following LED light fixtures at all locations, heights and levels as directed ceiling and wall mounted luminaires inclusive of all accessories,lamps,fixing in ceilings,on slab soffits or wall as required etc. complete as per specification and laid out as per detailed drawing and directions (wiring work to be paid for separately) Sample of all fixtures shall be approved of prrior to installation				
a)	40W Batten tube light of Wipro make with cat no. LL24-541-XXX-57-CD	6	Each		
b)	20W Batten tube light of Wipro make with cat no. LL20-221-XXX-65NE3	71	Each		
c)	10W Batten light as wall bracket of Wipro make with cat no. LL20-111-XXX- 65NE3	2	Each		
	TOTAL : Non Schedule items (market r	ates) ( B)	1	1	

GRAND TOTAL : TOTAL(A+B)

#### <u>RATE ANALYSIS</u> 1) Supply of UG cable 3.5C,150 Sq.mm

Description Motorial	Qty	Rate	Amount(Rs.)
Naterial Cable 3 5C 150Sg mm Arm	1	1	
cubic 3.30,1303q.mm7.mm	-	<u>-</u>	
Total Cost of Material			
Cartage @ 5% of A1			
Total			
Add 12% GST			
Total			
Overheads & Profits @ 15%			
Total			
Rate per Mtr			
Say			
AC Ceiling Fan 1200mm Sweep			
Description	Onty	Pate	Amount
Material	Qitty	Aute	Amount
Cost of Fan		1	
Cartage F0(			
Cartage 5%			
Labour			
Wireman @/Day		0.1 Day	
Khallasi @/Day		0.1 Day	
Add 12% GST			
Overhead & Profit 15%			
Rate			
Say			
AC Exhaust Ean 200mm succon			
AC Exhlust Full Soonini Sweep			
Description	Qnty	Rate	Amount
Material			
Cost of Fan		1	
Cartage 5%			
Labour			
Wireman @/Day		0.25 Day	
Knallasi @/Day		0.25 Day	
Add 12% GST			
Overhead & Profit 15%			
Rate			

Say

### Supply of UG cable 3.5C,240 Sq.mm

Description Material	Unit	(	Qty	Rate	Amount(Rs
Cable		1	Mtr		
Cabic		1	IVICI		
Total Cost of Material					
Cartage @ 5% of A1					
Total					
Add 12% GST					
Total					
Overheads & Profits @ 15%					
Total					
Rate per Mtr					
Say					
1) Supply of 8.5M HT pole					
Description	Unit		Qty	Rate	Amount(Rs
Material					
8.5 M HT pole		1	Mtr		
Total Cost of Material					
Cartage @ 5% of A1					
Total					
Add 18% GST					
Total					
Overheads & Profits @ 15%					
Total					
Rate per unit Say					
1) Supply of UG cable 3C,6Sq.	mm				
Description	Unit	(	Qty	Rate	Amount(Rs
Material					
Cable 4C,6 Sq.mm Arm	:	1	Mtr		
Total Cost of Material					
Cartage @ 5% of A1					
Total					
Add 12% GST					
Total Overheads & Profits @ 15%					
Total					
Rate ner Mtr					
Jay					

### Fabricated Panel(with 250A FP Incoming & 8nos FP Outgoing)

Description	Qnty	Rate	Amount		
Material					
Cost of Panel		1			
Cartage 5%					
Labour					
Wireman @/Day		2 Day			
Khallasi @/Day		2 Day			
Add 18% GST					
Overhead & Profit 15%					
Rate					
Say					
SITC OF 4P MCB(C SERIES)					
<b>D</b>	<u> </u>	- <i>.</i>	40A FP MCB	<b>.</b> .	63A FP MCB
Description Material	Qnty	Rate	Amount	Rate	Amount
Cost of MCB		1			
Cartage 5%					
Labour					
Wireman @/Day		0.25 Day			
Khallasi @/Day		0.25 Day			
Add 12% GST					
Overhead & Profit 15%					
Rate Say					
4 Way Single Door MCB Enclo	osure:-(Leg	rand Make)			
Description	Qnty	Rate	Amount		
Material					
Cost of Enclosure		1			
Cartage 5%					
Labour					
Wireman @/Day		0.1 Day			
Khallasi @/Day		0.1 Day			
Add 12% GST					
Overhead & Profit 15%					
Rate					
Say					

### SITC Luminaires(Lights ) for internal electrification

		Batten light Wipro 40W		Batten	light Wipro 20W	Batte	en light Wipro 10W(wall bracket light)
Description	Qnty	Rate	Amount	Rate	Amount	Rate	Amount
Material							
Fixtures		1					
Cartage 5%							
Labour		0.25 Davi					
Khallasi @/Day		0.25 Day 0.25 Day					
Add 12% GST							
Overhead & Profit 15%							
Rate <b>Say</b>							
Luminaires(Lights ) for externa	al electrifi	cation					
Description	<b>A</b> :	Street light	t Wipro 30W				
Description Material	Qnty	Rate	Amount				
Fixtures		1					
		1		_			
Cartage 5%				_			
Labour		0.25 Davi					
Wireman @/Day Khallasi @ /Day		0.25 Day					
		0.25 Day		-			
Add 12% GST				-			
Overhead & Profit 15%				_			
Rate							
Say							
Octagonal Pole 6Mtr hiaht							
Description	Qnty	Rate	Amount				
Material							
Cost of Pole		1					
PCC Foundation materials		1		_			
Cartage 5%				_			
Labour		1.0-1					
wireman @/Day		1 Day					
Khallasi @/Day		2 Day		_			
Add 18% GST				_			
Overhead & Profit 15%							
Rate				_			

Say

#### 200KVA Transformer

Description Material Cost of Transformer	<b>Qnty</b>	Rate	Amount	_				
Cartage 5%				_				
Labour Wireman @/Day Khallasi @/Day	3nosx1day 6nos x1da	/ Y		_				
Add 18% GST				_				
Overhead & Profit 15% Rate Say				-				
SITC of Substation Accessories-	<u>1</u>							
<i>Description</i> Material Fixtures	Qnty	Gang Oj Rate 1	oerating Switch Amount	D.O Fu Rate Am	ise ount Rate	Lightning Arrest Amount	er Rate	CT/PT Combine Amount
Cartage 5%								
Labour Wireman @/Day Khallasi @/Day		1 Day 1 Day						
Add 18% GST								
Overhead & Profit 15% Rate Say								
SITC of Substation Accessories-	2							
<i>Description</i> Material Fixtures	Qnty	11KV Rate	T Cross Arm Amount	11KV Pin Ir Rate Am	sulator ount Rate	11KV Disc insulat Amount	tor Rate	Pole Clamp Amount
Cartage 5%								
Labour Wireman @/Day Khallasi @/Day	0 0	0.1 Day 0.1 Day						
Add 18% GST								
Overhead & Profit 15% Rate Say								
11KV line on 8.5M PSC pole(Per	км)							
Description Material Cost of Material	<b>Qnty</b> 1	Rate	Amount					
Cartage 5%				_				
Labour Wireman @/Day Khallasi @/Day	4nosx7day 4nos x7da	/ Y		_				
Add 18% GST		-						
		-		_				
Overhead & Profit 15%				-				

## 4x70Sq.mm(11KV) Cable

Description Material	Qnty	Rate	Amount
Cost of Cable		4	
		-	
Cartage 5%			
Labour			
Wireman @/Day		0.2 Day	
Khallasi @/Day		0.2 Day	
Add 12% GST			
Overhead & Profit 15%			
Rate			
Say			
1C,50-95 Sq.mm(11KV) Cable1	rerminatio	n	
Description	Qnty	Rate	Amount
, Material			
Cost of Termination kit		1	
Cartage 5%			
Labour			
Wireman @/Day		1 Day	
Khallasi @/Day		1 Day	
Add 18% GST			
Overhead & Profit 15%			
Rate			
Say			
GI Pipe Earthing			
Description	Qnty	Rate	Amount
Material			
Cost of Material		1	
Cartage 5%			
Cu. 1450 070			
Labour			
Wireman @/Day		1 Day	
Khallasi @/Day		1 Day	
Add 18% GST			
Overhead & Due fit 450/			
Overnead & Profit 15%			
Kate			

## Salt & Charcoal for earth station

Description	Qnty	Rat	e	Amount
Material		1		
Cost of Material		T		
Cartago E%				
Callage 5%				
Labour				
Wireman @/Day		0.1 Day	1	
Khallasi @/Day		0.1 Day	1	
Add 18% GST				
Overhead & Profit 15%				
Rate				
Say				
GI strip 25x6mm				
Description	Qnty	Rat	e	Amount
Material				
Cost of Material		1		
Cartage 5%				
Labour				
Wireman @ /Day		0.05 Dav	,	
Khallasi @/Day		0.05 Day	,	
Add 18% GST				
Overhead & Profit 15%				
Rate				

Say

	QUANTIT	Y CALCI	JLA	TIONS /	' H	ANDLO	ON	1 UNIT E	BUII	DING				
	REF: (x) = PRODUCT / (+) = ADDITION / (-) = DEDUCTION AND (/) = DIVISION													
(1	Note: All Area and Linear Measureme	nts have l	been	derived	froi	m CAD o	r Str	l Program	nme:	s / all mea:	surei	men	nts in M or So	(Mp
BOQ	Particulars					Calculat	ions	i					Quantity	,
Ref		L/NOS		B/H		W/D		AR		BAY/VOL	U	nit	Sub Total	Total
	REF DRGS:													
	1) ARCH/HU/GM/01													
	2) ARCH/HU/GM/02													
	3) ARCH/HU/GM/03													
	4) FDN-002-R1 5) FDN-003-R1													
	6) COL-003-R1													
	7) COL-004-R1													
	8) PL-101-R0													
	9) PL-102-R0(SHEET 1 OF 2)													
	10) PL-102-R0(SHEET 2 OF 2)													
	11) RF-401-R0													
	12) RB-201-R0(SHEET 1 OF 2)													
	14) RF-203-R0													
	15) RF-204-R0(SHEET 1 OF 4)													
	16) RF-204-R0(SHEET 2 OF 4)													
	17) RF-204-R0(SHEET 3 OF 4)													
	18) RF-204-R0(SHEET 4 OF 4)													
	GENERAL REFERENCE DIMENSIONS													
i)	Average GL from Survey Data =			97.50										
	Final Dressed and levelled GL =			97.50										
				96.25										
a)	Foundation Depth from NGL as per													
,	Structural Design data= (M)			1.50										
b)	Column height - GL to PL = (M)			0.75										
c)	Column height from PL to top of													
	Roof Beam = (M)			3.30										
ii)	Foundation Depth from NGL as per													
,	Structural Design =			1.50										
	PCC =			0.10										
	Total Depth of Excavation = (M)			1.60										
							$\left  \right $							
1.1	EARTHWORK:													
	Footings													
	F1	24 00	x	1 40	x	1 40	$ _{\mathbf{x}} $	1 60	_	75 26				
	F2	53.00	x	1.20	x	1.20	$\left  \begin{array}{c} x \\ x \end{array} \right $	1.60	=	122.11				
	F3	3.00	x	1.50	x	1.50	x	1.60	=	10.80				
	CF1	1.00	<b>x</b>	2.80	x	1.50	x	1.60	=	6.72				
	CF2 ETD -	3.00		2.50	X	1.20 3.04	X	1.60		14.40 20 20				
	STEPS=	5.00	$\left  \begin{array}{c} \mathbf{x} \\ \mathbf{x} \end{array} \right $	1.50	x	1.50	$\left  \begin{array}{c} \mathbf{x} \\ \mathbf{x} \end{array} \right $	0.15		1.69				
								-		259.26	= C	uМ	259.26	259.3
				QC.A.1.	1		-							

BOQ	Particulars					Calculati	ion	S					Quantity	/
Ref		L/NOS		B/H		W/D		AR		BAY/VOL		Unit	Sub Total	Total
1.2	Filling available earth	259.30	-	77.70 (RCC)	-	18.20 (PCC)	=	163.40			=	CuM	163.40	163.4
1.3	Extra for additional lift =					(100)								
	Office bldg	24.00	v	1 40	v	1 /0		0 10	_	4 70				
	F2	53.00	x	1.20	x	1.40	x	0.10	=	7.63				
	F3	3.00	x	1.50	x	1.50		0.10	=	0.68				
	CF1	1.00	x	2.80	x	1.50	x	0.10	=	0.42				
	CF2	3.00	x	2.50	x	1.20	X	0.10	=	0.90				
	ETP=	1.00	×	6.06	x	3.06	X	0.02	=	0.46	=	CuM	14.79	14.8
14	Supplying filling local earth=													
1.7	Main Building $(A1-A6/01-20) =$	1.00	x	52.79	x	14.94	x	0.53	=	414.06				
	Quality Control Corridor (A6-A7/13-					_		0.50						
	20)=	1.00	x	18.36	x	4.39	x	0.53	=	42.30				
	Office building (A7-B3/14-20) =	1.00	x	17.19	x	12.84	x	0.53	=	115.80				
	Less (B2-B3/14-15) =	-1.00	x	1.00	x	5.46	x	0.53	=	-2.85				
	Total =									569.31	=	CuM	569.31	569.4
1.5	Filling: UNDER PLINTH													
	Main Building (A1-A6/01-20) =	1.00	x	52.79	x	14.94	x	0.11	=	86.76				
	Quality Control Corridor (A6-A7/13- 20)=	1.00	x	18.36	x	4.39	x	0.11	_	8.86				
	Office building (A7-B3/14-20) =	1.00	x	17.19	x	12.84	x	0.11	=	24.26				
	Less (B2-B3/14-15) =	-1.00	x	1.00	x	5.46	x	0.11	=	-0.60				
	Total =									119.28	=	CuM	119.28	119.3
1.6	Supply of ATT	160.07	,	0.20	_	566.6								
1.0	Supply of ATT Per sam $@300c/c = 9$	109.97		9.00	=	9760								
	Total Litres =	100 11 10		5.00		10326	1							
	At 1% dilution =	1%	x	10326	=	103.26						ltrs	103.26	103.3
1.7.1	Post Constr - periphery	2.00	(	53.25	+	15.30	+	16.435	)	169.97	=	Rm	169.97	170.0
1.7.2	Under floors =													
	Main Building (A1-A6/01-20) =	1.00	x	52.79	x	14.94	=	788.68						
	Quality Control Corridor (A6-A7/13-	1.00	x	18.36	x	4.39	_	80 58						
	Office building $(A7-B3/14-20) =$	1.00	x	17.19	x	12.84	=	220.57						
	Less (B2-B3/14-15) =	-1.00	x	1.00	x	5.46	=	-5.43						
								1084.40	İ		=	SqM	1084.40	1084.5
2	PCC :													
2.1	Footings													
	F1	24.00	X	1.40	X	1.40	X	0.10	=	4.70				
	F2	3 00	X	1.20	x	1.20	×	0.10		7.63				
	CF1	1.00	x	2.80	x	1.50	x	0.10	=	0.00				
	CF2	3.00	x	2.50	x	1.20	x	0.10	=	0.90				
	PCC for Brick work under Plinth Beams = $I = A1-B3/20$	1.00	x	31.71	=	31.71								
	Less Cols	-5.00	x	0.30	=	-1.50								
	1-20/A1, A6,7/1-20	2.00	x	52.65	=	105.30								
	Less Cols	-40.00	x	0.30	=	-12.00								
	A1-A6/01	1.00	X	14.80	=	14.80								
I	Less Cols	-3.00	X	0.30	=	-0.90						I		

BOQ	Particulars					Calculat	ions	i				Quantity	1
Ref		L/NOS		B/H		W/D		AR		BAY/VOL	Unit	Sub Total	Total
	A5/1-6	1.00	x	15.09	=	15.09	Ħ						
	Less Cols	-3.00	x	0.30	=	-0.90							
	2,5/A1-A5	2.00	x	11.84	=	23.68							
	Less Cols	-5.00	x	0.30	=	-1.50							
	A3/2-5	1.00	x	5.76	=	5.76							
	Less Cols	-1.00	x	0.30	=	-0.30							
	12,9,6/A1-A5	3.00	x	11.07	=	33.21							
	Less Cols	-6.00	x	0.30	=	-1.80							
	A3/6-9	1.00	x	7.74	=	7.74							
	Less Cols	-2.00	X	0.30	=	-0.60							
	A4/6-8	1.00	X	6.04	=	6.04							
	Less Cols	-1.00	X	0.30	=	-0.30							
	7,8/A4-A5	2.00	X	3.17	=	6.34							
	14/A1-A5	1.00	X	11.12	=	11.12							
	Less Cols	-2.00	X	0.30	=	-0.60							
	A5/9-20	1.00	X	29.23	=	29.23							
	Less Cols	-8.00	X	0.30	=	-2.40							
	15,17/A3-A5	2.00	X	5.375	=	10.75							
	18/A3-A5	1.00	X	5.245	=	5.25							
	A3/15-17	1.00	X	2.49	=	2.49							
	Less Cols	-1.00	X	0.30	=	-0.30							
	A4/15-17	1.00	X	2.22	=	2.22							
	19/A1-A5	1.00	X	11.05	=	11.05							
	Less Cols	-1.00	X	0.30	=	-0.30							
	14-19/A3	1.00	X	11.94	=	11.94							
		-2.00	X		=								
	14/A/-BZ	1.00	X	11.55	Ē	11.55							
	Less Cols	-2.00	X	12 605	Ē	-0.60							
	15, 1//A/-B3	2.00		12.095		25.39							
		-3.00	X	0.30		-0.90							
		-2.00	X	0.50	1	-0.00							
	19/A8-B3	1.00		0.750	1	0.75							
		1 00		3 695	1	3 70							
	13/06-07	1.00		1 240	12	1 24							
	$P_2/14_15$	1.00	Ŷ	5 480		5.48							
	Δ8 B1 B3/15-20	3.00	x	11 335	=	34 01							
	Less Cols	-6.00	x	0.30	=	-1.80							
	48/15-17	1.00	x	3.41	=	3.41							
	B1/15-17	1.00	x	3.39	=	3.39							
	A8/15-16	1.00	x	1.08	=	1.08							
	B1-B3/15.17	2.00	x	3.695	=	7.39							
	B1-B3/17	1.00	x	3.555	=	3.56							
	B1, B2/17	2.00	x	0.97	=	1.94							
						419.35	1						
	ETP (DRG. HU/GG/ETP/01) =	1.00	x	6.06	x	3.06	x	0.10	=	1.85			
	STEPS=	3.00	x	3.00	x	1.20	x	0.10	=	1.08			
	STEPS=	1.00	x	7.36	x	1.20	x	0.10	=	0.88			
										18.15 =	CuM	18.15	18.2
3													
3.1.	In substructure upto plinth level:												
		24.00		1 20		1 20		0.25					
		24.00		1.20	X	1.20	X	0.25	=	8.64 13.35			
		2 00		1 20		1 20	<b>x</b>	0.25		1 22			
		3.00		2.30		1.30		0.25 ∩ 2⊑					
		1.00	X	2.00	X	1.30	X	0.25	=	0.85	I	I	

BOQ	Particulars					Calculati	ions	5					Quantity	,
Ref		L/NOS		B/H		W/D		AR		BAY/VOL		Unit	Sub Total	Total
	CF2	3.00	x	2.30	x	1.00	x	0.25	=	1.73				
	ETP base (6.06 x 3.06 )	1.00	x	6.06	x	3.06	x	0.20	=	3.71				
	ETP slab=	1.00	X	5.86	X	2.86	X	0.15	=	2.51				
	EIP Beam =	1.00	X	2.40	×	0.15	X	0.15	=	32.00	_		32.00	
	Columns unto PL -C1=	9.00	x	0.30	x	0.30	x	2.00	=	1.62	_		1.62	
	Corridor Columns upto PL -C2=	74.00	x	0.30	x	0.30	x	2.00	=	13.32	=		13.32	
	P1	10.00	x	0.30	x	0.30	x	2.00	=	1.80	=		1.80	
	Plinth Beam (391.55x0.23x0.30)	1.00	x	419.35	x	0.23	x	0.30	=	28.94	=		28.94	
	Total =										=	CuM	77.68	77.7
3.2	In superstructure from plinth level u	 p to 2nd f	 loor	level:										
	Columns, pillars, slabs, stairs													
	Main bldg													
	Columns above PL -C1=	9.00	x	0.30	x	0.30	X	3.30	=	2.67				
	Columns above PL -C2=	74.00	X	0.30	X	0.30	X	3.30	=	21.98				
	Columns total =	410.25		1.00		410.25				24.65	=		24.65	
	Roof Beam	419.35	X	11.00	=	419.35								
	Less =	-1.00	x	8.84	=	-22.14								
		-1.00	x	3.61	=	-3.61								
		-1.00	x	7.25	=	-7.25								
		-1.00	x	3.70	=	-3.70								
						373.82								
	Roof Beam	1.00	x	373.82	x	0.23	x	0.3	=	25.79				
	Lintel Beam (358.85x0.15x0.15)	1.00	X	419.35	x	0.15	X	0.15	=	9.44				
	Beams total =	17.00		1 50		0.00		0.4		35.23	=		35.23	
	Chajja (External Windows) =	17.00	X	1.50	X	0.60	X	0.1	=	1.53				
	Bath Chajja =	3.00	X	0.90	×	0.60	X	0.1	=	0.16	_		1.60	
										1.09	_	CUM	61 57	61 6
												Culvi	01.57	01.0
4	FORMWORK													
4.1	Foundations, footings, bases of													
	columns for mass concrete.													
	Footings													
	Office bldg													
	F1	24.00	X	1.20	x	4.00	x	0.25	=	28.80				
	F2	53.00	X	1.00	X	4.00	X	0.25	=	53.00				
	F3	3.00	X	1.30	X	4.00	X	0.25		3.90				
		1.00		1 50		2.00	$ \hat{\mathbf{v}} $	0.25		0.75				
	CF2	3.00	x	2.30	x	2.00	$\begin{vmatrix} \mathbf{x} \\ \mathbf{x} \end{vmatrix}$	0.25		3.45				
	CF2	3.00	x	1.20	x	2.00	x	0.25	=	1.80				
	Footings - total =									93.00	=		93.00	
	Columns upto PL -C1=	9.00	x	0.30	x	4.00	x	2.00	=	21.60	=		21.60	
	Corridor Columns upto PL -C2=	74.00	x	0.30	x	4.00	X	2.00	=	177.60	=		177.60	
	P1	10.00	X	0.30	X	4.00	X	2.00	=	24.00	=		24.00	
	ETP base =	2.00		0.06	+	3.06	<u>x</u>	0.20	=	3.05 1 09	=		3.65	
	ETF Dame wall Beam =	2 00		5 86	<b>+</b>	2.00	$\left  \begin{array}{c} \mathbf{x} \\ \mathbf{x} \end{array} \right $	0.15		2,62	_		2.00	
	Upto PL - total =				ľ			5.15				SqM	323.54	323.6
4.2	Sidos of tio booms grade booms													
4.Z	Plinth Reams	1 00	<b>v</b>	419 35	v.	2 00	$ _{\mathbf{y}} $	03		251 61				
	Roof Beam	1.00	x	373.82	x	0.23	_	0.5	-	85.98				
		2.00	x	373.82	x	0.30	=			224.29				
	Lintel Beam	3.00	x	419.35	x	0.15	=			188.71				

BOQ	Particulars					Calculat	ion	5					Quantity	/
Ref		L/NOS		B/H		W/D		AR		BAY/VOL		Unit	Sub Total	Total
	Beam total =									750.58	=	SqM	750.58	750.6
4.3	Columns, pillars, posts Columns above PL -C1= Columns above PL -C2= Columns Shuttering =	9.00 74.00	x x	0.30 0.30	x x	4.00 4.00	x x	3.30 3.30	=	35.64 293.04 328.68	=	SqM	328.68	328.7
4.4	Flat surfaces, slabs Chajja = Bath Chajja = Slab total =	17.00 3.00	x x	1.50 0.90	x x	0.60 0.60	= = =	15.30 1.62 16.92			=	SqM	16.92	17.0
4.5	Edges of slab Chajja - [ax(b+2xc)] = Bath Chajja - [ax(b+2xc)] = Total =	a 17.00 3.00	,	b 1.50 0.90	,	c 0.60 0.60	= = =	45.90 6.30 52.20			=	RM	52.20	52.2
4.6	Steel Reinf upto plinth (BBS encl)=											Kg	8908.67	8908.7
4.7	Steel Reinf above plinth (BBS encl)=													
												Kg	6565.83	6565.9
5 5.1	MASONRY WORKS Soling: Brick flat													
5.2 5.2.1	FULL BRICK WORK GL to Plinth Beam = ETP = Overflow wall Bafle wall STEPS= STEPS= TOTAL= HALF BRICK WORK WALLS= Less = Corridor area	419.35 2.00 2.00 1.00 3.00 3.00 3.00 3.00 1.00 1.00 1	x x x x x x x x x x x x x x x x x x x	5.80 2.80 2.80 3.00 3.00 3.00 7.36 7.36 7.36 7.36	* * * * * * * * * * * *	0.75 1.70 1.40 0.60 1.20 0.90 0.60 0.30 1.20 0.90 0.60 0.30	× × × × × × × × × × × × × × × ×	0.23 0.23 0.23 0.23 0.15 0.15 0.15 0.15 0.15 0.15 0.15 0.15		72.34 4.54 2.19 0.90 0.39 1.62 1.22 0.81 0.41 1.32 0.99 0.66 0.33 87.71		CuM	87.71	87.8
	Total= LESS WINDOWS= W2 W1 W3 DOORS=D1 D2 D3 Rolling Shutter =	-1.15 -7.36 369.05 -18.00 -8.00 -3.00 -2.00 -18.00 -3.00 -3.00 -2.00	× × × × × × ×	1.20 1.80 0.60 1.20 1.00 0.75 1.50	x x x x x x x x x x x	3.00 1.35 1.35 1.00 2.10 2.10 2.10 2.10		1107.15 -29.16 -19.44 -1.80 -5.04 -37.80 -4.73 -6.30						

Partic	culars					Calculat	ions	S				Quantity	/
Ref		L/NOS		B/H		W/D		AR	BAY/VOL		Unit	Sub Total	Total
VENTILATOR=		-18.00 -8.00	x	1.20	x x	0.50 0.50	=	-10.80					
		-2.00	x	1.20	x	0.50	=	-1.20					
		-18.00	x	1.00	x	0.50	=	-9.00					
TOTAL=								974.69		=	SqM	974.69	974.7
5.3.2 Extra for providing	5									=	SqM	974.69	974.7
6 FLOOR FINISHES													
CC FLOORING													
6.1 40mm thick CC flo	oring	1 00		52.25		45.40		000.05					
Main Building =	<b>.</b>	1.00	X	53.25	X	15.40	=	820.05					
Quantity Control e	etc. =	1.00	X	18.82	x	4.85		91.25					
Office building =		1.00	X	1 46		13.30		234.59					
Total =		-1.00		1.40	Î	5.92		1137.29		=	SqM	1137.29	1137.3
6.2 Cement Skirting													
Walls		1.00	x	369.05	x	0.10	=	36.91		=	SqM	36.91	37.0
6.3 Glass strins													
ON FLOOR @ .714	M/SQM	0.71	x	1137.3			=	812.02		=	RM	812.02	812.1
6.4 Ceramic Wall Tiles	i												
Office toilet=		3.82	x	2.80	x	1.00	=	13.23					
		1.65	x	1.20	x	1.00	=	1.98					
		3.82	x	2.80	x	1.00	=	10.68					
		1.65	X	1.20	X	1.00	=	1.98					
CEO toilet= Total =		1.20	X	2.10	X	1.00	=	6.60 34 47		_	SaM	34 47	34.5
i otai								0.117					
7 PLASTERING	D.												
	к:	2.00		<b>52.25</b>		2 20	_	251 45					
OUTTER WALL=		2.00	X	12.00		3.30		351.45					
Office-		8.00		13 30	x	3.30		350.99					
Office-		2.00		17.65	x	3 30	_	116 49					
INTERNAL Walls:		4.00	x	11.64	x	3.30	_	153.65					
		16.00	x	12.00	x	3.30	=	633.60					
		2.00	x	5.68	x	3.30	=	37.46					
		2.00	x	6.59	x	3.30	=	43.49					
		2.00	x	3.47	x	3.30	=	22.87					
Total=							=[	1789.19					
LESS WINDOWS=	W2	-9.00	x	1.20	x	1.35	=	-14.58					
W1		-4.00	x	1.80	x	1.35	=	-9.72					
W3		-1.50	x	0.60	x	1.00	=	-0.90					
DOORS=D1		-1.00	X	1.20	X	2.10	=	-2.52					
D2		-9.00	X	1.00	X	2.10	=	-18.90					
D3 Polling Shuttor		-1.50	X	0.75		2.10	[_]	-2.36					
		-2.00		1.50	<b>(</b> )	2.10		-0.3U					
VENTILATUK=		-9.00		1 20	ŷ	0.50	_	-3.40					
		_1 00		1 20	) x	0.50	_	-0.60					
		-9.00		1.00	x	0.50	_	-4.50					
ETP=		2.00	x	5.40	x	1.70	=	18.36					

BOQ	Particulars					Calculat	ion	s				Quantity	1
Ref	i di ficulai s	L/NOS		B/H		W/D		AR	BAY/VOL		Unit	Sub Total	Total
		4.00	x	2.40	x	1.70	=	16.32		Τ			
	TOTAL INTERNAL PLASTER=							1754.49			SqM	1754.49	1754.5
7 2		2.00		<b>F2 25</b>		2 20		251 45					
1.2	EXTERNAL WALLS =	2.00	X	53.25	X	3.30		351.45					
	Offica-	2.00		12.30	v	2 20	[_	01.10					
	Office=	2.00		17.50	ŷ	3.50	[_	116.46					
		-9.00		1 20	x	1 35		-1/ 58					
	W1	-4 00		1.20	x	1 35		-9 72					
	W3	-1 50		0.60	x	1.00	=	-0.90					
	DOORS=D1	-1.00		1 20	x	2 10	=	-2 52					
	D2	-9.00	x	1.00	x	2.10	=	-18.90					
	D3	-1.50	x	0.75	x	2.10	=	-2.36					
	Rolling Shutter	-2.00	x	1.50	x	2.10	=	-6.30					
	VENTILATOR=	-9.00	x	1.20	x	0.50	=	-5.40					
		-4.00	x	1.80	x	0.50	=	-3.60					
		-1.00	x	1.20	x	0.50	=	-0.60					
		-9.00	x	1.00	x	0.50	=	-4.50					
	TOTAL =	0.00				0.00		567.45					
	TOTAL EXTERNAL PLASTER=							567.45			SqM	567.45	567.5
7.3	6mm plaster												
	Chajja =	17.00	x	1.50	x	0.60	=	15.30					
	Bath Chajja =	3.00	x	0.90	x	0.60	=	1.62					
	Extra for ceiling(Chajja)=							16.92		=	SqM	16.92	17.0
										ľ			
8.1	ROOF STRUCTURE												
	Truss Member							KG/MTR					
	Truss-11a (1 no)												
	SHS 63.5x63.5x3.2	1.00	1	28.69				5.85	167.84		KG		
	SHS 40x40x3.2	1.00	1	21.89				3.49	76.38		KG		
	End plate	2.00	1	0.85		0.85		5	56.72		KG		
	Cleat Angle ISA 75x75x5	11.00	1	0.09				5.7	5.64		KG		
	Truss-11 (1 no)												
	SHS 63.5x63.5x3.2	1.00	1	28.69				5.85	167.84		KG		
	SHS 40x40x3.2	1.00	1	21.89				3.49	76.38		KG		
	End plate	2.00	1	0.85		0.85		5	56.72		KG		
	Cleat Angle ISA 75x75x5	12.00	1	0.09				5.7	6.16		KG		
	Truss-10 (1 no)												
	SHS 63.5x63.5x3.2	1.00	1	20.68				5.85	120.98		KG		
	SHS 40x40x3.2	1.00	1	12.96				3.49	45.23		KG		
	End plate	2.00	1	0.85		0.85		5	56.72		KG		
	Cleat Angle ISA 75x75x5	8.00	1	0.09				5.7	4.10		KG		
	Truss-1 (02 noS)												
	SHS 63.5x63.5x3.2	1.00	2	38.49				5.85	450.33		KG		
	SHS 40x40x3.2	1.00	2	18.43				3.49	128.64		KG		
	End plate	2.00	2	0.85		0.85		5	113.43		KG		
	Cleat Angle ISA 75x75x5	12.00	2	0.09				5.7	12.31		KG		
	Truss-1A (01 noS)												
	SHS 63.5x63.5x3.2	1.00	1	38.49				5.85	225.17		KG		
	SHS 40x40x3.2	1.00	1	18.43				3.49	64.32		KG		
	End plate	2.00	1	0.85		0.85		5	56.72		KG		
	Cleat Angle ISA 75x75x5	12.00	1	0.09				5.7	6.16		KG		
	Truss-2 (02 noS)												
I	JSHS 63.5x63.5x3.2	1.00	2	49.81				5.85	582.72		КG		
				QC.A.1.	7								

BOQ	Particulars				Calculatio	ons			Quantity	1
Ref		L/NOS		B/H	W/D	AR	BAY/VOL	Unit	Sub Total	Total
	SHS 40x40x3.2	1.00	2	40.61		3.49	283.47	KG		
	End plate	4.00	2	0.85	0.85	5	226.87	KG		ĺ
	Cleat Angle ISA 75x75x5	24.00	2	0.09		5.7	24.62	KG		
	Truss-3(01 noS)									
	SHS 63.5x63.5x3.2	1.00	1	38.79		5.85	226.92	KG		
	SHS 40x40x3.2	1.00	1	33.17		3.49	115.76	KG		
	End plate	4.00	1	0.85	0.85	5	113.43	KG		
	Cleat Angle ISA 75x75x5	22.00	1	0.09		5.7	11.29	KG		
	Truss-4(01 noS)									
	SHS 63.5x63.5x3.2	1.00	1	54.42		5.85	318.33	KG		
	SHS 40x40x3.2	1.00	1	29.25		3.49	102.08	KG		
	End plate	4.00	1	0.85	0.85	5	113.43	KG		
	Cleat Angle ISA 75x75x5	24.00	1	0.09		5.7	12.31	KG		
	Truss-5(01 noS)									
	SHS 63.5x63.5x3.2	1.00	1	42.61		5.85	249.24	KG		
	SHS 40x40x3.2	1.00	1	32.97		3.49	115.05	KG		
	End plate	4.00	1	0.85	0.85	5	113.43	KG		
	Cleat Angle ISA 75x75x5	19.00	1	0.09		5.7	9.75	KG		
	Truss-8 (08 noS)									
	SHS 63.5x63.5x3.2	1.00	8	40.60		5.85	1900.08	KG		
	SHS 40x40x3.2	1.00	8	34.52		3.49	963.80	KG		
	End plate	4.00	8	0.85	0.85	5	907.46	KG		
	Cleat Angle ISA 75x75x5	24.00	8	0.09		5.7	98.50	KG		
	Truss-9 (01 no)			40.50		5.05	227.04			
	SHS 63.5x63.5x3.2	1.00	1	40.52		5.85	237.04	KG		
	SHS 40x40x3.2	1.00	1	33.20	0.05	3.49	115.87	KG		
	End plate	2.00		0.85	0.85	5	56.72	KG		
	Cleat Angle ISA 75x75x5	23.00	L T	0.09		5.7	11.80	KG		
		1 00	1	26.16		EQE	211 51	VC.		
	SHS 03.5X03.5X3.2	1.00	1	27 21		2.65	05 20			
	5H5 40X40X3.2	1.00	1	0.05	0.95	5.49	112 /2			
	Cleat Angle ISA 75x75x5	10.00	1	0.85	0.85	57	0.75	KG		
	Truss-6 (1 no)	19.00	1	0.05		5.7	9.75			
	SHS 63 5x63 5x3 2	1 00	1	21.65		5.85	126 65	KG		
	SHS 40x40x3 2	1.00	1	13.87		3 49	48.41	KG		
	End plate	2.00	1	0.85	0.85	5	56 72	KG		
	Cleat Angle ISA 75x75x5	11.00	1	0.09	0.00	5.7	5.64	KG		
	Truss-12 (1 no)									
	SHS 63.5x63.5x3.2	1.00	1	32.48		5.85	190.01	KG		
	SHS 40x40x3.2	1.00	1	11.00		3.49	38.39	КG		
	End plate	4.00	1	0.85	0.85	5	113.43	KG		
	Cleat Angle ISA 75x75x5	24.00	1	0.09		5.7	12.31	KG		
	Truss-5A (02 noS)									
	SHS 63.5x63.5x3.2	1.00	2	17.58		5.85	205.63	KG		
	SHS 40x40x3.2	1.00	2	10.17		3.49	70.95	KG		
	End plate	2.00	2	0.85	0.85	5	113.43	KG		
	Cleat Angle ISA 75x75x5	8.00	2	0.09		5.7	8.21	KG		
	Truss-13 (1 no)									
	SHS 63.5x63.5x3.2	1.00	1	5.91		5.85	34.57	KG		
	SHS 40x40x3.2	1.00	1	5.06		3.49	17.66	KG		
	End plate	4.00	1	0.85	0.85	5	113.43	KG		
	Cleat Angle ISA 75x75x5	4.00	1	0.09		5.7	2.05	KG		
	Truss-14 (1 no)									
	SHS 63.5x63.5x3.2	1.00	1	23.84		5.85	139.46	KG		l
				QC.A.1.8	}					

BOQ	Particulars					Calculati	ion	S					Quantity	/
Ref		L/NOS		B/H		W/D		AR		BAY/VOL		Unit	Sub Total	Total
	SHS 40x40x3.2	1.00	1	33.51				3.49		116.95		KG		
	End plate	4.00	1	0.85		0.85		5		113.43		KG		
	Cleat Angle ISA 75x75x5	17.00	1	0.09				5.7		8.72		KG		
	Purline SHS 63.5x63.5x4.5	1.00	1	593.61				7.93		4707		KG		
	Purline SHS 63.5x63.5x4.5	1.00	1	974.18				7.93		7725		KG		
	Bearing plate 250x250x8mm	93.00	1	0.25		0.25		8.00		365		KG		
	Total =								=	23571.7	=	Kg	23571.69	23571.7
8.2	Nuts & Bolts													
	16 mm Bolt 300 mm Long @ 4 nos													
	on each Bearing plate	93.00	X	4.00	=	372.00	X	0.35	=	130.2				
										130.2		Kg	130.20	130.2
8.3	Rolling shutter	2.00	x	1.50	x	2.40	=	7.20			=	SqM	7.20	7.2
0 /														
0.4	For 1 Sam Bailing													
		1.07												
	$(23 \times 3)$ WIVI FLAT) -0.207.44	0.90												
	$0.10 \times 8 =$	2.20												
	$0.55 \times 4 =$	2.20												
	$0.511 \times 4 =$	2.44												
	$0.75 \times 3 =$	2.25												
	$0.125 \times 3.14 \times 2 =$	0.79	-											
		9.55	-											
	Weight of 25x5 Flat @ 0.98 =	9.36		0.0.40		6.00								
	Weight of 1x2m SHS40X40X3.2	2.00	X	@3.49	2	6.98								
	weight per Sqm =	9.36	+	6.98	-	16.34		Kg/SqM						
	RAILINGS IN VERANDAH	35.60	X	1.00	=	35.60								
		4.35	X	1.00	=	4.35								
	Total area of railing =					39.95								
	Weight =	39.95	X	16.34	=				=	652.63				
	Frame for Water Tank - 2 nos.	(Ref: Drg	No.	- ARCH/C	FC,	/04 dated	1-2 	20/03/22)						
	OHT frame = (ANGLES)													
	< 75x75x5 = vertical support-	2.00	X	4.00	X	4.00	X	5.70	=	182.40				
	<50x50x5= horizontal =	2.00	X	4.00	X	2.00	X	3.80		60.80 FC 24				
	<50x50x5= norizontal =	2.00	X	4.00	X	1.85	X	3.80		50.24				
	<50x50x5=1012011a1=	2.00		4.00		1.72	×	2 20		JZ.29 18.64				
	<50x50x5 horizontal -	2.00	<b>Î</b>	4.00	Ĵ	1.00	ŷ	3.80		48.64				
	$<40 \times 40 \times 5 = Cross =$	2.00	x	8.00	Ŷ	2 14	x	3.00		102 72				
	$<40 \times 40 \times 5 = Cross =$	2.00	x	8.00	x	2.01	x	3.00	=	96.48				
	$<40 \times 40 \times 5 = Cross =$	2.00	x	8.00	x	1.81	x	3.00	=	86.88				
	<40 x 40 x 5 = Cross =	2.00	x	8.00	x	1.65	x	3.00	=	79.20				
	<40 x 40 x 5 = Platform =	2.00	x	12.00	x	1.65	x	3.00	=	118.80				
	SHS- 40 x 40 x 2.6= railing=	2.00	x	4.00	x	0.90	x	2.92	=	21.02				
	40 x 40 x 2.6= Platform railing=	2.00	x	8.00	x	1.65	x	2.92	=	77.09				
	TOTAL=									1683.83	=	Kg	1683.83	1683.9
8.5	DOOR FRAMES	2.00	x	1.20	x	2.10	_			10.80				
		18.00	x	1.00	x	2.10	=			93.60				
		3.00	x	0.75	x	2.10	=			14.85				
	Total=									119.25	=	RM	119.25	119.3
8.6	Steel Windows & Ventilators													
	WINDOWS= W2	18.00	x	1.20	x	1.35	=	29.16						

BOQ	Particulars					Calculati	ion	S					Quantity	1
Ref		L/NOS		B/H		W/D		AR		BAY/VOL		Unit	Sub Total	Total
	W1	8.00	x	1.80	x	1.35	=	19.44						
	W3	3.00	x	0.60	x	1.00	=	1.80						
	VENTILATOR=	18.00	x	1.50	x	0.50	=	13.50						
		8.00	x	1.80	x	0.50	=	7.20						
		2.00	x	1.20	x	0.50	=	1.20						
		18.00	x	1.00	x	0.50	=	9.00						
8.6.1	TOTAL AREA =							81.30	@	19.90	=	Kg	1617.57	1617.6
	For Window using 35x35x5 ms angle	and 3x5 r	nm	flat										
	Window size = 1.80 x 1.35 = 2.43 sqr	n												
	(1.80x2+1.35x2)x2x3.5 +		.											
	1.8x2x1.18=	48.35	/	2.43	=	19.90		Kg per sqn	1 '					
	(ref: DAR - 10.31)													
8.6.2	TOTAL AREA FOR GLASS PANES =							81.30			=	SqM	81.30	81.3
8.7	GRILLS													
	WINDOWS=W2	18.00	x	1.20	x	1.35	=	29.16						
	w1	8.00	x	1.80	x	1.35	=	19.44						
	W3	3.00	x	0.60	x	1.00	=	1.80						
	VENTILATOR=	18.00	x	1.50	x	0.50	=	13.50						
		8 00	x	1 80	x	0.50	=	7 20						
		2 00	x	1 20	x	0.50	=	1 20						
		18.00	x	1 00	x	0.50	=	9.00						
	TOTAL ARFA=	10.00		1.00		0.50		81 30	1					
	WEIGHT @ 15 7 KG/SOM=						@	15 70	=	1276.41	=	Kg	1276.41	1276.5
	For Grill using 25mm ms flat 3mm th	ick @150	ı c/c					10.70						
	Weight per Sqm of Grille= 8 x 2 x 25	5mm flat	=15	.7 kg										
9	GYPSUM BOARD CEILING													
	Unit	1.00	X	52.79	X	14.94	=	788.68						
	Less Boiling Unit =	-1.00	X	12.00	X	4.00	=	-48.00						
	Less Warehouse =	-1.00	X	11.35	X	4.00	=	-45.40						
	Corridor	1.00	X	18.36	X	4.39	=	80.58						
	Office	1.00	X	17.19	X	12.84	=	220.57						
	Total =							996.43			=	SqM	996.43	996.5
10	ROOFING													
10.1	METAL ROOFING-Ref. Truss 2	17.64	x	2.00	x	10.045	=	354.29						
	Ref. Truss 8	54.45	x	2.00	x	8.285	=	902.24						
	Total =							1256.52			=	SqM	1256.52	1256.6
10.2	ACCESSORIES													
	PLAIN RIDGE	34.50												
		13.50												
		42.42												
		23.34												
		8.23	1											
	TOTAL=	121.99									=	RM	121.99	122.0
11	WOODWORK													
	FLUSH DOOR													
	DOORS=	2.00	x	1.20	x	2.10	=	5.04						
		18.00	x	1.00	x	2.10	=	37.80						
		3.00	x	0.75	x	2.10	=	4.73						
	TOTAL=							47.57	1		=	SqM	47.57	47.6
12	PAINTING													
	•		*		4		*					•	l l	

BOQ	Particulars				Calculat	ion	S					Quantity	,
Ref		L/NOS		B/H	W/D		AR		BAY/VOL		Unit	Sub Total	Total
12.1	INTERIOR PAINT												
	INTERNAL PLASTER QTY =					=	1754.49	1					
	TOTAL=						1754.49			=	SqM	1754.49	1754.5
12.2	PUTTY(provisional)						20.00			=	SqM	20.00	20.0
12.3	DISTEMPER (provisional)						20.00			=	SqM	20.00	20.0
12.4	EXTERIOR PAINT					=	567.45			=	SqM	567.45	567.5
12.5	PAINTING ON STEEL PAINTING 2 COATS= Grills area= Truss Area=							=	81.30				
	Truss Member												
	Truss-11a (1 no)								0.64				
	SHS 63.5x63.5x3.2	1.00	1	28.69			0.30		8.61		SqIVI		
	SHS 40X40X3.2	1.00		21.89			2.00		3.94				
	Cleat Apple ISA 75x75x5	2.00		0.05	0.65		2.00		0.30				
	Truss-11 (1 no)	11.00	<b>1</b>	0.09			0.30		0.50				
	SHS 63 5x63 5x3 2	1 00	1	28 69			0 30		8.61				
	SHS 40x40x3 2	1.00	1	20.05			0.30		3.94				
	End plate	2.00	1	0.85	0.85		2.00		22.69				
	Cleat Angle ISA 75x75x5	12.00	1	0.09			0.30		0.32				
	Truss-10 (1 no)												
	SHS 63.5x63.5x3.2	1.00	1	20.68			0.30		6.20				
	SHS 40x40x3.2	1.00	1	12.96			0.18		2.33				
	End plate	2.00	1	0.85	0.85		2.00		22.69				
	Cleat Angle ISA 75x75x5	8.00	1	0.09			0.30		0.22				
	Truss-1 (02 noS)												
	SHS 63.5x63.5x3.2	1.00	2	38.49			0.30		23.09				
	SHS 40x40x3.2	1.00	2	18.43			0.18		6.63				
	End plate	2.00	2	0.85	0.85		2.00		45.37				
	Cleat Angle ISA 75x75x5	12.00	2	0.09			0.30		0.65				
	Truss-1A (01 noS)												
	SHS 63.5x63.5x3.2	1.00	1	38.49			0.30		11.55				
	SHS 40x40x3.2	1.00	1	18.43			0.18		3.32				
	End plate	2.00	1	0.85	0.85		2.00		22.69				
	Cleat Angle ISA 75x75x5	12.00	1	0.09			0.30		0.32				
	Truss-2 (02 noS)												
	SHS 63.5x63.5x3.2	1.00	2	49.81			0.30		29.88				
	SHS 40x40x3.2	1.00	2	40.61			0.18		14.62				
	End plate	4.00	2	0.85	0.85		2.00		90.75				
	Cleat Angle ISA 75x75x5	24.00	2	0.09			0.30		1.30				
	Truss-3(01 noS)												
	SHS 63.5x63.5x3.2	1.00		38.79			0.30		11.64				
	SHS 40x40x3.2	1.00		33.17	0.05		0.18		5.97				
		4.00		0.85	0.85		2.00		45.37				
	Cleat Angle ISA 75X75X5	22.00	1	0.09			0.30		0.59				
		1.00	1	EA 43			0.20		16 22				
	SUS 4044042 2	1.00		54.42			0.30		10.32 E 37				
	STIS 40X40X3.2	1.00		29.25	0.05		0.18 0.18		5.27				
	Cleat Angle ISA 75y75y5	4.00			0.85		2.00		45.37				
	Truce-5/01 noc	24.00	*	0.09			0.50		0.05				
	1.1.222 2/01 103/	I		QC.A.1.1	L	1		1			I	I	

BOQ	Particulars					Calculat	ions	5				Quantity	,
Ref		L/NOS		B/H		W/D		AR		BAY/VOL	Unit	Sub Total	Total
	SHS 63.5x63.5x3.2	1.00	1	42.61				0.30		12.78			
	SHS 40x40x3.2	1.00	1	32.97				0.18		5.93			
	End plate	4.00	1	0.85		0.85		2.00		45.37			
	Cleat Angle ISA 75x75x5	19.00	1	0.09				0.30		0.51			
	Truss-8 (08 noS)												
	SHS 63.5x63.5x3.2	1.00	8	40.60				0.30		97.44			
	SHS 40x40x3.2	1.00	8	34.52				0.18		49.71			
	End plate	4.00	8	0.85		0.85		2.00		362.98			
	Cleat Angle ISA 75x75x5	24.00	8	0.09				0.30		5.18			
	Truss-9 (01 no)												
	SHS 63.5x63.5x3.2	1.00	1	40.52				0.30		12.16			
	SHS 40x40x3.2	1.00	1	33.20				0.18		5.98			
	End plate	2.00	1	0.85		0.85		2.00		22.69			
	Cleat Angle ISA 75x75x5	23.00	1	0.09				0.30		0.62			
	Truss-7 (01 no)												
	SHS 63.5x63.5x3.2	1.00	1	36.16				0.30		10.85			
	SHS 40x40x3.2	1.00	1	27.31				0.18		4.91			
	End plate	4.00	1	0.85		0.85		2.00		45.37			
	Cleat Angle ISA 75x75x5	19.00	1	0.09				0.30		0.51			
	Truss-6 (1 no)												
	SHS 63.5x63.5x3.2	1.00	1	21.65				0.30		6.50			
	SHS 40x40x3.2	1.00	1	13.87				0.18		2.50			
	End plate	2.00	1	0.85		0.85		2.00		22.69			
	Cleat Angle ISA 75x75x5	11.00	1	0.09				0.30		0.30			
	Truss-12 (1 no)												
	SHS 63.5x63.5x3.2	1.00	1	32.48				0.30		9.74			
	SHS 40x40x3.2	1.00	1	11.00				0.18		1.98			
	End plate	4.00	1	0.85		0.85		2.00		45.37			
	Cleat Angle ISA 75x75x5	24.00	1	0.09				0.30		0.65			
	Truss-5A (02 noS)												
	SHS 63.5x63.5x3.2	1.00	2	17.58				0.30		10.55			
	SHS 40x40x3.2	1.00	2	10.17				0.18		3.66			
	End plate	2.00	2	0.85		0.85		2.00		45.37			
	Cleat Angle ISA 75x75x5	8.00	2	0.09		0100		0.30		0.43			
	Truss-13 (1 no)	0.00	-					0.00		0.10			
	SHS 63 5x63 5x3 2	1 00	1	5 91				0 30		1.77			
	SHS 40x40x3 2	1.00	1	5.06				0.30		0.91			
	End nlate	4 00	1	0.85		0.85		2 00		45 37			
	Cleat Angle ISA 75x75x5	4.00	1	0.00		0.05		0.30		0 11			
	$\frac{1}{1}$	4.00	1	0.05				0.50		0.11			
	SHS 63 5x63 5x3 2	1 00	1	23.84				0.30		7 15			
	SHS 40x40x3 2	1.00	1	33 51				0.30		6.03			
	End nlate	4 00	1	0.85		0.85		2 00		45 37			
	Cleat Angle ISA 75x75x5	17.00	1	0.00		0.05		0.30		0.46			
		1 00	1	593 61				0.36		211			
	Purling SHS 63 5x63 5x4.5	1.00		97/ 18				0.30		347			
	Rearing plate 250x250x8mm	1.00		0.25		0.25		2 00		01			
	Pailings (Item 8.4) -	93.00	1	0.25		0.25		2.00	_	20.05			
	Frame for Water Tank 2 nos								-+	33.33			
	$\mathbf{OHT frame} = (ANGLES)$												
	$< 75x75x5 = vertical support_$	2 00	×	4 00	x	4 00	$ _{\mathbf{x}} $	0 30	_	9.60			
	<50x50x5 = vertical support	2.00	x	4.00	$\hat{\mathbf{x}}$	2.00	$\left  \begin{array}{c} \mathbf{x} \\ \mathbf{x} \end{array} \right $	0.20		3.20			
	<50x50x5= horizontal =	2.00	x	4.00	x	1.85	$ _{\mathbf{x}} $	0.20	=	2.96			
	<50x50x5= horizontal =	2.00	x	4.00	x	1.72	x	0.20	=	2.75			
	<50x50x5= horizontal =	2.00	x	4.00	x	1.60	x	0.20	=	2.56			
				QC.A.1.1	2					-			

BOQ	Particulars					Calculat	ion	5					Quantity	,
Ref		L/NOS		B/H		W/D		AR		BAY/VOL		Unit	Sub Total	Total
	<50x50x5= horizontal =	2.00	х	4.00	x	1.60	x	0.20	=	2.56				
	<40 x 40 x 5 = Cross =	2.00	X	8.00	X	2.14	x	0.16	=	5.48				
	<40 x 40 x 5 = Cross =	2.00	X	8.00	X	2.01	x	0.16	=	5.15				
	<40 x 40 x 5 = Cross =	2.00	X	8.00	X	1.81	x	0.16	=	4.63				
	<40 x 40 x 5 = Cross =	2.00	X	8.00	X	1.65	X	0.16	=	4.22				
	<40 x 40 x 5 = Platform =	2.00	X	12.00	X	1.65	x	0.16	=	6.34				
	SHS- 40 x 40 x 2.6= railing=	2.00	X	4.00	X	0.90	x	0.16	=	1.15				
	40 x 40 x 2.6= Platform railing=	2.00	X	8.00	X	1.65	x	0.16	=	4.22				
									=	2229.56	=	SqM	2229.56	2229.6
12														
13														
13.1														
	DOORS=	23.00	-											
	TOTAL=	23.00									=	Each	23.00	23.0
12.2		22.00									_	Fach	22.00	22.0
15.2	IOWER BOLIS	23.00									-	Lacii	23.00	25.0
13 3	DOOR HANDLES	23.00									=	Each	23.00	23.0
10.0		23.00											_0.00	
13.4	MORTICE LOCK	23.00									=	Each	23.00	23.0
13.5	Electro- BUTT HINGE	46.00									=	Pair	46.00	46.0
14	PLINTH PROTECTION	169.97	x	1.20	=			203.96			=	SqM	203.96	204.0
15	brick edging	169.97					=	169.97			=	RM	169.97	170.0
16	DRAIN	169.97					=	169.97	X	0.60	=	SqM	101.98	102.0
		(Item-1.7	.1)											
17.1	SUB-GRADE													
		3.00	x	17.64	=			52.91						
	Total=							52.91			=	SqM	52.91	53.0
17.2	Brick Edging													
		2.00	x(	17.64	+	3	)=	41.27						
			`					41.27	1=			м	41.27	41.3
17.3	PAVER BLOCKS							52.91	=		=	SqM	52.91	53.0

BBS:	HANDLOOM UNIT - REINF.													
Sl No.	Description	Dia	N	umbers	5	Length	Quantity	8 mm (Kg)	10 mm (Kg)	12 mm (Kg)	16 mm (Kg)	20 mm (Kg)	25 mm (Kg)	32 mm (Kg)
	1 Foundation													
	F1(1500x1500x450) 24 nos	12	24	9	2	1.50	648.00	-	-	575.42	-	-	-	-
	F2(1250x1250x450) 53 nos	10	53	9	2	1.30	1240.20	-	765.20	-	-	-	-	-
	F-3 (1800x1800x450) 3 nos	12	3	15	2	1.70	153.00	-	-	135.86	-	-	-	-
	CF-1 (2900x1500x450) 1 nos	12	1	11	1	2.70	29.70	-	-	26.37	-	-	-	-
		12	1	20	1	1.62	32.30	-	-	28.69	-	-	-	-
	CF-2 ( 2600x1200x450) 3 no	12	3	9	1	2.80	75.60	-	-	67.13	-	-	-	-
		12	3	18	1	1.40	75.60	-	-	67.13	-	-	-	-
	2 Columns upto plinth level			_										
	C1(300x300) 9 nos													
	Main bar	16	9	6	1	2.51	135.54	-	-	-	214.15	-	-	-
	Ties	8	9	44	1	1.04	411.84	162.68	-	-	-	-	-	-
	Ties	8	9	44	1	0.38	150.48	59.44	-	-	-	-	-	-
	C2(230x230) 74 nos		-											
	Main bar	12	74	6	1	2.51	1114.44	-	-	989.62	-	-	-	-
	Ties	8	74	44	1	0.76	2474.56	977.45	-	-	-	-	-	-
	Ties	8	74	44	1	0.31	1009.36	398 70	_	_	-	_	-	-
	P1(300x300) 10 pos	-			-	0.01	1000100	000070						
	Main bar	16	10	4	1	2 51	100.40		-	_	158.63		_	
		8	10	4	1	1.04	457.60	180 75			-			
	1 Plinth heams	-	10	44	<u> </u>	1.04	4,57,00	100.75						
	T/P main har with lan	12	2	1	2	442.07	2652.42	_	_	2260.65	_	_	_	_
	Stirrup (A10.2E/0.19)	0	2456	1	2	442.07	2052.42	1202.05	-	2300.05	-	-	-	-
	[Stillup (419.55/0.16+1)	0	2450		21	1.24	2545.44	1202.95	-	-	-	-	-	-
	EIP - Dase	10	1	2	21	0.00	254.52	-	157.80	-	-	-	-	-
	Lintal	10	1	2	45	3.00	273.40	-	170.75	-	-	-	-	-
	Linter	10	1	4		2.40	9.60	-	5.95	-	-	-	-	-
	Clab	8	1	1/	1	0.66	246.12	4.43	-	-	-	-	-	-
	Siab	8	1	2	21	5.80	246.12	97.22	-	-	-	-	-	-
		8	1	2	45	2.80	257.40	101.67	-	-	-	-	-	-
	D   IOLdi =	_						3185.29	1099.71	4250.89	372.79	0.00	0.00	0.00
	7 Columns from plinth to top( Japping considered )													0,908.67
	C1(300x300) 9 nos													
	Main bar	16	9	Δ	1	3,30	118.80	-	_	-	187 70	-	-	-
	Ties - Zone A (650mm)	8	9	23		1.04	215.28	85.04	_	-	-	-	-	-
	(2)(230x230) 74 nos	- H			<u> </u>	1.01	213.20	00.01						
	Main har	12	74	4	1	3 30	976.80	_		867 40	_	-	_	-
	Ties		7/	22	1	0.76	1202 52	510 9/		-	_			<u> </u>
	lintel heam	- P	/4	23		0.70	1233.32	510.54	-	-	-		-	
	T/B main bar	10	2	1	2	442.070	1768.28		1 091 02					
		10	2	27	2	442.070	74.00	-	1,091.03	-	-	-	-	
	Lap Stirrup	10	2	3/	1	0.500	1277 12	-	45.88	-	-	-	-	-
		ŏ	2450	1		0.520	12//.12	504.46	-	-	-	-	-	-
		12	2	1		202 54	2264.24			2006 75				
		12	3			393.54	2361.21	-	-	2096.75	-	-	-	-
	Гар	12	3	33	2	0.600	118.80	-	-	105.73	-	-	-	

SI No.	Description	Dia	N	umber	s	Lenath	Quantity	8 mm	10 mm	12 mm	16 mm	20 mm	25 mm	32 mm
0					-	_0g	~~~···	(Kg)	(Kg)	(Kg)	(Kg)	(Kg)	(Kg)	(Kg)
	Stirrup	8	2186.4	1	1	1.24	2711.14	1070.90	-	-	-	-	-	-
10	Total =					-		2171.34	1136.91	3069.88	187.70	0.00	0.00	0.00
)	Total above Plinth =								-					6,565.83