

BILL OF QUANTITIES FOR WEIGH BRIDGE BUILDING

S.NO	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
A	EXCAVATION AND EARTH WORK				
A1	Earthwork in all types of soils, viz, sand, clay, soft and hard murram, WBM but other than rock (soft and hard) requiring blasting at all depths for foundations in foundations of Structures, Pipe Trenches, Tunnels, Sewer lines, Drains, Compound walls, etc. as per drawing to required levels, grade and dressing complete as per Specifications and Directions of Engineer in both Dry and Wet condition including necessary Shoring, Pumping out of water, Slush removal etc and disposal of the surplus excavated material in spoil dumps/ fill areas at all heights and descents including levelling as directed by the Engineer, all material, tools plant and labour complete.				
a	Upto 1.50m below GL and Lead up to 250 m	30	Cu m		
A2	Backfilling in all positions and heights and descents in foundation, Pits, Pipe Trenches, Tunnels Sewer Lines around foundation and Structures in Plinth etc., with approved excavated material obtained from item A-1 above or 250m including reclaiming from soil heaps at all heights, Transporting, Depositing and Dressing complete as directed.				
a	Ordinary filling in layers of 200 mm in thickness as specified including watering, ramming, compacting wherever required with Mechanical rammers and levelling and disposing surplus materials within the site for a radius of 250m.	35	Cu m		
b	Supplying and filling of coarse sand in foundations, plinth, underneath flooring and in soaking pits etc as shown in the drawing and as directed by the Engineer, complete in all respects.	2	Cub.m		
B	PCC / RCC				
B1	Supplying, laying and compacting plain cement concrete (1:4:8) as defined by IS: 456 in all mudmats / leveling courses including filling of loose pockets etc				

	under foundations, Pipelines, Tunnels, Floors, etc., at all depths below Plinth level as per drawings, Specifications and instruction of the Engineer including curing but excluding the cost of Shuttering all materials tools, plants and labour complete.	4	Cu m		
B2	Supplying and laying reinforced cement concrete in all foundations and Super Structure in Roof slabs, Beams, Floor slabs, Footings, Columns etc at all heights heights and depths above and below Plinth level as per drawings, Specifications, Directions of the Engineer and as defined in IS:456 including curing but excluding cost of Shuttering and Steel Reinforcement all materials tools, plants and labour complete. Cover Column - 25mm and for Raft 40mm.				
a	RCC (1:2:4) for Raft	5	Cu m		
b	RCC (1:2:4) for Plinth Beams	0.9	Cu m		
c	RCC (1:2:4) for Lintel	0.48	Cu m		
d	RCC (1:2:4) for Sun Shade	0.123	Cu m		
C	STEEL REINFORCEMENT				
C1	Taking delivery, transporting, placing and fixing in position steel Reinforcement including angles / pins provided for the approved welded joints, at all levels for reinforced cement concrete and precast reinforced concrete works including cutting, bending, cranking, binding, tack welding as necessary as per drawings, specifications and direction of the Engineer including binding wire, cover blocks, electrodes etc. and straightening and coiling where necessary, all materials, tools, plant and labour complete.				
a	With Tor steel of all diameters	0.25	MT		
D	SHUTTERING / FORMWORK				
D1	Providing and fixing shuttering (formwork) in position with necessary centering, bracings. Propping etc. and removing the same after the specified periods for all types of shuttering for all plain and reinforced cement concrete				

	works including all chamfers, splays, keys, wedges, nails, brackets, cutting holes for embedded steel / pipes and applying waste oil on shuttering surface in contact with concrete, all materials, tools, plant and labour complete.				
a	Shuttering for Raft	11	Sq.M		
b	Shuttering for Plinth Beam	8	Sq.M		
c	For Lintel	4.158	sq.m		
d	For Sunshade	1.356	sq.m		
E	BRICKWORK				
E1	Providing and constructing wall with well burnt bricks as defined in relevant IS code in cement sand mortar (1:4) in Foundations, Super Structures, Manholes, Ducts, Drains etc at all heights and depths above and below plinth level as per Drawings Specifications and direction of the engineer, including fair cutting, waste, bonding, plumbing, Lining, leveling, flushing, raking joints, scaffolding and curing, all materials, tools plant and labour complete.	8	Cub.m		
E2	Providing first class burnt brick masonry with conventional/Indian standard type bricks incement mortar (CM) 1:4 in steps including striking joints on unexposed faces, raking andjoints on exposed faces & Plastering, watering etc.complete.	0.38	Cub.m		
E3	115 mm thick reinforced brick wall in proportion 1:5 reinforced with two lines of MS rods/tor steel as specified embeded in 38 mm thick concrete coarse in proportion 1:2:4 with coarse ggregate 12 mm down at every fourth coarse embeded with protruding rod in column including curing etc. complete as directed.	4.65	Sq.m		
F	PLASTERING				
F1	15 mm thick cement plaster (1:4 cement mortar) in single coat on the sides of single or half brick wall / RCC wall for interior plastering up to 1st floor level including arises, internal rounded angles, not exceeding 80 mm in girth and finished on even and smooth sideds including, curing complete as directed.	65.96	Sq.m		

F2	20 mm thick cement plaster in two coats (1:4), backing coat 15mm and finishing				
	5mm thick on rough side of walls, ceiling, soffits of slabs etc. for plastering upto first				
	floor level including arises, rounded angles, chamfers, not exceeding 80 mm in girth				
	and finished even including, mixing of water proofing cement, curing etc. complete	46.85	Sq.m		
	as directed.				
G	FALSE CEILING				
G1	Providing and fixing 12.5mm thick gypboard ceiling surfaces in plain including G.I.				
	Suspenders forming a grid of intermediate channel at 1220mm centre to centre with				
	ceiling sections fixed at 450mm centre to centre at right angle to the underside of				
	intermediate channels with connecting clips complete as per India Gypsum Technical				
	Manual including finishing with jointing compound and joint paper tapes and priming				
	with two coats of drywall top coat and fixing of perimeter channel at both ends. The				
	rate shall also include cutting the Gypboard for light fixtures etc.and providing necessary				
	and additional frame work for fixing the same. Wherever perimeter channels are cut in this				
	process, additional support shall be made for proper stability without any extra cost.				
	layout as per site condition.	14.884	Sq.m		
H	DOORS				
H1	Providing and fixing in position aluminium door frame with partly glazed and partly				
	paneled with intermediate horizontal and vertical members of specified sizes, single				
	shutter specified size, single shutter,double action pivoted door on floor spring of				
	approved make (cost including floor spring),made from 20 micron colour anodized aluminum				
	sections (minimum 2mm thickness) of Jindal or equivalent, as per approved sample. Frame				
	shall be fixed by using Hilti / fischer screw / fasteners with 6 to 10mm wooden / water proof				
	ply packing between wall and frame. Gap between wall and frame shall be filled with				
	polyuthrene baker road with neutral grade sealant (795 of dowcorning) at all the sides /				
	perimeter				
a	2100 x 1000 mm	2	Nos		
I	WINDOWS				

I1	Providing and fixing in position aluminium window frame with single hinged fully glazed shutter (2nos),with 6mm thk glass in openable shutter, made from 20 micron colour anodized aluminum sections (minimum 2mm thickness) of Jindal or equivalent as per the approved sample. Frame shall be fixed by using Hilti / fischer screw / fasteners with 6 to 10mm wooden /water proof ply packing between wall and frame. Gap between wall and frame shall be filled with polyuthrene baker road with neutral grade sealant (795 of Dow corning) at all the sides/perimeter. Rates shall be inclusive of all wastages of aluminium, 5mm thick float glass, structural sealant (995 of dow corning), SS 316 Satin finish / brass nickle plated sating finish tower bolts (400mm long), hinges 3 Nos. / shutter, glazing clips,EPDM rubber gaskets between glass and aluminium section etc. complete, as per samples approved and as directed by engineer - in - charge.				
a	1200 x 1000 mm	3	Nos		
J	VIEW PANEL				
J1	Providing & fixing in position of aluminium fixed fully glazed (5 mm clear float glass) window using 2mm thk 20 micron color anodised alluminium sections of Jindal or equivalent as per instruction of Engineer incharge .Rate shall be inclusive all accesories like Epdm rubber Glazing cleat Silicon sealant Backer rod & Anchor fastners of Hilti or Fischer etc complete				
a	2400 x 1000 mm with cash counter opening	1	Nos		
K	ROOFING				
K1	Taking delivery, transporting, fabricating, placing and fixing in position Structutal steel angle of any section as purlin for fixing AC sheet roof as per the direction of the Engineer including electrodes etc., and straightening and Scaffolding fixing where necessary, all necessary,tools, plant and labour complete.	96	KG		
K2	Providng asbestos cement corrugated sheet roofing 6mm thick fixed with G.I. coach screw square head, 8 mm dia. and 115 mm long/ G.I. crancked hook bolt/ G.I.hook bolt/ G.I. crancked bolt of 8mm dia with G.I. flat washer 25 mm dia X 3mm thick complete excluding the cost of roof truss, purlin etc.	16	Sq.m		

L	PAINTING				
L1	Internal wall Distempering with two coats of oil bound distemper of approved brand and manufacturer and of required shade on new wall surface to give an even shade, over and including a priming coat with alkali resistant primer of approved brand and manufacturer after thoroughly brooming the surface free from mortar droppings and other foreign matter and also including preparing surface even and sand papered smooth.	53.23	Sq.m		
L2	External wall painting with one self -priming coat of required shade over freshly plastered wall surface and two coats of waterproofing cement coatings of required shade by thinning one part of paint with one part of water to give an even shade including thorough brooming the surface free from mortar, droppings and other foreign matter & including preparing the surface even & sand papered smooth and thoroughly brooming the surface to remove all dirt & remains of loose powdered materials as specified and directed. (Brand: Unicem "Shakti" or equivalent)	45.62	Sq.m		
M	FLOORING				
	Kotah stone in flooring & skirting of 20-25 mm thick over 20 mm thick base of cement plaster 1:6 (1: cement , 6: coarse sand) laid over and jointed with grey cement slurry mixed with pigment to match the shade of the slab including rubbing & polishing complete.				
a	Flooring - upto 450mm x 450mm	14.86	Sq.m		
b	Skirting - 4"	19.2	Rm		
N	WINDOW AC / ELECTRICAL WORKS				
a	Taking delivery from stores and fixing 1T AC in the wall opening. The rate shall include cost of fixing wooden frame for the AC in the wall as per required measurement and plastering.	1	No.		
b	Taking delivery from stores and fixing False ceiling light fittings in the false ceiling	3	Nos		
c	Fixing 2 nos switch box in the wall with light switches(2nos) and 6amp socket with swith and necessary cabling.	2	Nos.		

d	Taking delivery from stores and fixing DB for the building with necessary cabling.	1	No.		
e	Taking delivery and fixing safety socket with switch for AC.	1	No.		
f	Taking delivery and fixing on/off switch for the dewatering pump with necessary cabling to the pump and to the switch board.	1	No.		
g	Taking delivery and fixing Lightning arrestor on the roof of the building.	1	No.		
O	EARTH PITS				
a	Laying of earthing mats/rods including transportation from yard stores, loading, unloading, cutting to length, welding etc. complete as per specification and as directed by Engineer-in-charge. The rate shall include construction of earth pit of size 1.5'x1.5'x1.5' with RCC cover slab.	1	No.		
b	Taking delivery from stores and laying copper earth flat of size 20x5 from weigh bridge bldg to earth pit. The rate shall include earth work, backfilling, cutting and bolting, all complete.	28	RM		
P	PLUMBING				
a	Taking delivery and fixing 0.5 HP pump with necessary bracket, suction and delivery lines with check valve.	1	No.		
	TOTAL				
	Cement, Structural Steel, Reinforcement Steel, AC Sheets, Electrical items, Plumbing items, AC Earthing Rod, Copper Flat and Lighting arrestor will be supplied free of cost.				