

Bill of Quantities

MCL sampling room

Item No	Description of item	Unit	Qty	Rate(Rs)	Amount(Rs)
1	Excavation, loading, unloading and carriage by mechanical means of all kinds of soil, including stoney earth, gravel and moorum etc interspread with boulders upto 1/2 cum size with all lifts and delifts including trimming of slopes and bed to design section and depositing the the excavated materials away from work site as per the specification and as directed by the Engineer-in-charge within an initial lead of 1km from the place of excavation complete excepting all kinds of rock & boulders exceeding 0.014cum in volume for dam base stripping, cut-off trenches, outfall drains and stripping in borrow areas including rough dressing and dumping the excavated materials away from work site manually within 50m initial lead and 1.5m initial lift as per the direction of Engineer-in-charge including stacking of useful materials as	Cum	231.2		
2	Cement concrete (1:4:8)with 4cm size hard granite metal per 1cum	cum	15.835		
3	R.C.C. work of M-20 grade with 20mm and down grade black hard granite (crusherbroken) stone chips including hoisting and laying(up to plinth level)	Cum	19.14		
4	R.C.C. work of M-20 grade with 20mm and down grade black hard granite (crusherbroken) stone chips including hoisting and laying(above plinth level)	cum	41.6		
5	Supplying ,fitting and placing uncoated HYSD bar reinforcement complete as per drawing and technical specification.	Kg	7593.54		
6	Ash Brick masonry in cement mortar (1:6)in foundation,and plinth including splays cutting, watering, curing, cost, conveyance, royalties, taxes of all materials required for the work and labour charges etc.(upto plinth level)	Cum	33.81		
7	Ash brick masonry in Cement mortar(1:6) in Super structure including splays,cutting,watering,curing,cost,conveyance,royalties,taxes of all materials and labour charges etc complete(above plinth level)	Cum	69.23		
8	Providing 12 mm thick cement mortar(1:3) over brick masonry work finished smooth after rackingout joints including watering, curing, cost, conveyance, royalties, taxes of all materials, scaffolding and labour charges etc. Complete as per direction of Engineer-in-charge.	Sqm	483		
9	Neat cement punning over plaster including watering, curing,cost,conveyance,royalties,scaffolding,taxes of all materials and labour charges etc complete as per direction of EIC.	Sqm	871.5		
10	Rigid & smooth centering & shuttering for Cement concrete works and dismantalling them after casting including cost of materials complete in ground level of casting yard etc complete including cost, conveyance, royalties and other taxes of materilas, and labour charges ,T&P,PPE etc. Complete as per direction of Engineer-in-charge(up to plinth level)	Sqm	170.88		
11	Providing rigid shuttering with the box type steel shuttering plates with keys forintermediate construction joints in rafts of weirs, barrages and dam blocks including cost of all materials, labour, T. & P. etc. complete as directed by the Engineer-in-charge including removal of forms.(above pinth level)	Sqm	156.7		
12	Fixing Rotational moulded polyethylene cylindrical vertical water storage tanks of capacity 1000 litres conforming to IS : 12701--1996 including cutting holes through the tank and fixing mild steel tubes and fittings and providing extra sockets and jam nuts, fixing ball valve etc, including hoisting upto a height of 5 metres above ground level and placing the tank to the required position etc all complete as per specification and direction of the Engineer in charge	each	1		

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	Filling in foundation and plinth with excavated materials including watering and ramming as directed by the Engineer-in-charge for 100 cum	CUM	160		
13	Supplying fitting and fixing in position 32mm thick single leaf commercial flush door confirming to IS:2202 (part 01/1991) with select seasoned timber and block board core framed with seasoned hard wood battens and bonded at high pressure with phenol formaldehyde resin under the cross banding process, termite resistant and moisture proof including cost, conveyance, taxes of all materials including aluminium fittings, door stopper and labour charges etc. complete as per direction of Engineer-in-charge. Door 1 nos. size-1.0x2.1 m	sqm	16.8		
14	Supplying fitting and fixing up window (sliding type) made up aluminium section 151-154, 151-155 as window frame section No 151 155, 151-153 and 151-167 as shutter frame with 5mm thick black glass as panel fitted with rubber beading including all fitting including cost of materials all taxes, labour T&P etc. complete as per direction of Engineer-in-charge. (Windows -4 nos/Size 1.x1.5 m) & Windows -12 nos/Size-1.2x1.2 m)	Sqm	20.16		
15	Iron work wrought and put up in window grating including drilling holes in chokathas including all labours and materials etc all complete.	Kg	50		
16	Finishing wall surface with Acrylic Wall Putty (water based) of approved make and finishing smooth and even surface to receive painting including cost of scaffolding charges with cost, conveyance, taxes of all materials, labour, T & P etc complete as per direction of Engineer-In-Charge.	Sqm	624		
17	Wall painting 2 coats with plastic emulsion paint of approved shade on new work to give an even shade including cost of paint	Sqm	624		
18	Providing wood work in frames of doors, windows, clerestory windows and other frames, wrought framed and fixed in position with hold fast lugs or with dash fasteners of required dia & length (a) sal wood	Cum	0.372		
19	Providing and laying vitrified floor tiles of (600x600 mm) sizes with water absorption less than 0.08% and conforming to IS : 15622, of approved make, in all colours and shades, laid on 25mm thick cement mortar 1:1 (1 cement : 1 coarse sand), including grouting the joints with white cement and matching pigments etc., complete.	Sqm	127.38		
20	Providing and laying Ceramic glazed floor tiles of size 300x300 mm (thickness to be specified by the manufacturer), of 1st quality conforming to IS : 15622, of approved make, in all colours, shades, except White, Ivory, Grey, Fume Red Brown, laid on 25 mm thick bed of cement mortar 1:1 (1 Cement : 1 Coarse sand), including pointing the joints with white cement and matching pigments etc., complete	Sqm	48.2		
21	Providing and Fixing of tiles in dado, wall, riser, skirting with 12mm mortar(1:3) and jointing with neat cement slurry and colour pigment matching to tiles including rubbing, polishing etc complete in all respect	Sqm	50.8		
22	Construction of Septic tank of (2mx2mx2m) capacity as per approved drawing with 1st class brick work in cement mortar (1:3) including R.C.C. manhole top slab with necessary fittings. 19 mm. thick cement plaster (1:3) with neat cement finish to the internal surface and 12 mm. thick cement plaster (1:3) to outside wall upto 200 mm. below G.L. floor including supplying, fitting excavating earth in all sorts, of soil, shoring, bailing and pumping out water as necessary, ramming, dressing the bed and refilling the sides of the tank with earth, removing spoils, filling, up the chamber with clear water, removing foreign, materials from the chamber and including partition walls, as per approved drawing and connecting all necessary pipes, joints etc. with internal plaster work to be done complete in all respect as per direction of Engineer-in-Charge.	Each	1		

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23	Construction of Soak Pit of (1mx2mx2m) capacity as per approved drawing with 1st class brick work in cement mortar (1:3) including R.C.C. manhole top slab with necessary fittings. 19 mm. thick cement plaster (1:3) with neat cement finish to the internal surface and 12 mm. thick cement plaster (1:3) to outside wall upto 200 mm. below G.L. floor including supplying, fitting excavating earth in all sorts, of soil, shoring, bailing and pumping out water as necessary, ramming, dressing the bed, Brick bats filling, sand filling and refilling the sides of the tank with earth, removing spoils, filling, up the chamber with clear water, removing foreign, materials from the chamber and including, as per approved drawing and connecting all necessary pipes, joints etc. with internal plaster work to be done complete in all respect as per direction of Engineer-in-Charge.	Each	1		
24	Providing & fixing Oval shape wash basin (550x400 mm) with C.I /M.S brackets, 15mm C.P brass mixer, parko, Kingston /Gem, 32mm C.P. brass waste of standard pattern, including paintings of fittings and brackets, cutting and making good the walls and floors wherever required (a) White glazed Vitreous wash basin with supporting bracket, angle valve, CP Bottle trap, waste Trap, CP brass wall connecting pipes, chromium plated pillar tap etc.	each	2		
25	Providing and fixing first quality type glazed vitreous china water closet with 10 ltrs. Flushing cistern with manually controlled device (handle lever) of semi deluxe colour and as per following specification:- Water closet with 'P' or 'S' trap, matching colour plastic seat (heavy quality) with hydraulic seat cover, M.S. brackets, 40mm flush bend, pipe from cistern to W.C. complete with CP nuts, bolts etc. cuttings holes in walls, floors and making good. All complete as per approval and instructions of the Architect / employer. a) Western WC	each	2		
26	Providing, fixing and testing CPVC pipes (medium class) of approved make conforming to IS: 1239 -				
	i) 15mm dia nominal bore	m	30		
	ii) 20mm dia nominal bore	m	25		
	iii) 25 mm dia nominal bore	m	10		
27	Providing and fixing following nominal internal dia UPVC of approved make 5mm thick with				
	i) 140 mm dia	m	20		
28	Supplying, fitting and fixing C.P. wall flange with Nahni Trap/Floor Trap grade A as per standard design	nos	5		
29	Providing fixing and making operational the following fittings complete including flex pipe etc necessary accessories and fittings. All complete as per approval and instructions of the Architect / employer.				
	(a) C.P. Brass angle stop cock of standard design (15 mm) and of approved make conforming to IS:8931	each	3		
	b) C.P. brass bib cock (/Pillar Cock of approved quality conforming to IS:8931 : 15 mm nominal bore	Each	3		
	(c) C.P Gun Metal/Non Return Wall	Each	3		
30	d) C.P. Revolving Shower	Each	2		

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	Parking Shed				
31	Excavation, loading, unloading and carriage by mechanical means of all kinds of soil, including stoney earth, gravel and moorum etc interspread with boulders upto 1/2 cum size with all lifts and delifts including trimming of slopes and bed to design section and depositing the the excavated materials away from work site as per the specification and as directed by the Engineer-in-charge within an initial lead of 1km from the place of excavation complete excepting all kinds of rock & boulders exceeding 0.014cum in volume for dam base stripping, cut-off trenches, outfall drains and stripping in borrow areas including rough dressing and dumping the excavated materials away from work site manually within 50m initial lead and 1.5m initial lift as per the direction of Engineer-in-charge including stacking of useful materials as	cum	151.2		
	a) Ordinary Soil				
32	R.C.C. work of M-20 grade with 20mm and down grade black hard granite (crusherbroken) stone chips including hoisting and laying	Cum	26.64		
33	Supplying & providing of iron angle(75x75x6),bracing flat rods(65x6 m),tross rods,Structural Pipes, including all cost,conveyance,taxes of all materials etc complete as per direction of EIC	kgs	2178.8		
34	Providing corrugated G.S. sheet(Pre painted Galvalume sheet colour coated) roofing including vertical / curved surface fixed with polymer coated J or L hooks, bolts and nuts 8 mm diameter with bitumen and G.I. limpet washers or with G.I. limpet washers filled with white lead, including a coat of approved steel primer and two coats of approved paint on overlapping of sheets complete (up to 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.	Sqm	120		
	Total=				

GST has to be considered extra at actual