



# ESTIMATE

SR. NO.	DESCRIPTION	QUANTITY	UNIT	RATE
1	Excavation for Foundation in earth, soil of all types, sand, gravel and soft murum, including removing the excavated material up to a distance of 50 m. beyond the building area and stacking and spreading as directed, dewatering, preparing the bed for the foundation and necessary back filling, ramming, watering including shoring and strutting etc. complete. (Lift upto 1.5 m to 3.0m.) By Mechanical Means. (Bd.A.1 Page No.259)	219.67	CUM	239.0
2	Providing and laying Cast in situ/Ready Mix cement concrete in M-10 of trap/ granite/ quartzite/ gneiss metal for Foundation and Bedding including bailing out water, Steel centering, formwork, laying/pumping, compacting, roughening them if special finish is to be provided, finishing if required and curing complete, with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer/concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Natural Sand / Crushed sand VSI Grade finely washed etc). (Bd. E. 1 Page No. 287)	2.75	CUM	5449
3	Providing and laying in situ /Ready Mix cement concrete M-20 of trap / granite /quartzite/ gneiss metal for R.C.C. Work in Foundations like raft, strip foundations, grillage and footings of R.C.C. columns and steel stanchions etc. including bailing out water, Steel centering formwork, laying/pumping cover blocks, compaction and curing roughening the surface if special finish is to	9.32	CUM	6440

	<p>be provided (Excluding reinforcement and structural steel) etc. complete, with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Natural Sand / Crushed sand VSI Grade finely washed etc) (Bd.F.3 Page No. 298 and B.7, Page No.38)</p>			
4	<p>Providing and laying Cast in situ/Ready Mix cement concrete M-20 of trap / granite /quartzite/ gneiss metal for R.C.C. Columns as per detailed designs and drawing or as directed including steel centering, formwork, cover blocks, laying/pumping, compaction finishing the formed surfaces with cement mortar 1:3 of sufficient minimum thickness to give a smooth and even surface or roughening if special finish is to be provided and curing etc. complete,(Excluding reinforcement and structural steel).with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Natural Sand / Crushed sand VSI Grade finely washed etc) (Bd.F.5 Page No. 300 and B.7, Page.No. 38)</p>	5.69	CUM	1252
5	<p>Filling in Plinth and Floors with contractors material/brought from outside and approved by Engineer incharge in layers of 15 cm to 20 cm including watering and compaction etc. complete. (Bd.A.11 Page No. 263)</p>	100.90	CUM	446.0
6	<p>Providing and laying Cast in situ/Ready Mix cement concrete M-20 of trap / granite /quartzite/ gneiss metal for R.C.C. Beams and Lintels as per detailed designs and drawings or as directed</p>	6.08	CUM	11104

	including steel centering, formwork, cover blocks, laying/pumping, compaction and roughening the surface if special finish is to be provided and curing etc. complete. (Excluding reinforcement and structural steel). with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Natural Sand / Crushed sand VSI Grade finely washed etc) (Bd.F.6 Page No. 300 and B.7, Page No.38)			
7	Providing and laying Cast in situ/Ready Mix cement concrete M-20 of trap/ granite / quartzite/ gneiss metal for R.C.C. Slabs and Landings as per detailed designs and drawings including steel centering, formwork, cover blocks, laying/pumping, compaction finishing the formed surfaces with cement mortar 1:3 of sufficient minimum thickness to give a smooth and even surface or roughening if special finish is to be provided and curing etc. complete,(Excluding reinforcement and structural steel).with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Natural Sand / Crushed sand VSI Grade finely washed etc). (Bd.F.8 Page No. 302 and B.7, Page No.38)	7.83	CUM	1244
8	Providing and laying Cast in situ/Ready Mix cement concrete M-20 of trap/ granite/ quartzite/ gneiss metal for R.C.C. Chajja as per detailed design and drawings including steel centering, formwork, cover blocks compacting , curing , finishing and roughening the surface if special finish is to be provided and curing complete.	3.01	CUM	1244

(Excluding reinforcement and structural steel).with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Natural Sand / Crushed sand VSI Grade finely washed etc). ( Bd.F.9 Page No. 303 and B.7, Page No.38)

9	<p>Providing and laying Cast in situ/Ready Mix cement concrete in M-20 of trap / quartzite /granite /gneiss metal for R.C.C. Waist Slab, and Steps of staircases as per detailed design and drawings or as directed including steel centering, formwork, steel props, laying/pumping, compaction, finishing uneven and honeycombed surface with C.M. 1:3 of sufficient minimum thickness to give a smooth and even surface or roughening the surface if special finish is to be provided and curing etc. complete. (Excluding einforcement, including cover block).(Newly laid concrete shall be covered by gunny bag, plastic, tarpaulin etc.) with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer/ concrete Batch mix plant (Pan mixer) etc. complete. With fine aggregate (Natural Sand / Crushed sand VSI Grade finely washed etc). ( Bd. F. 13 Page No. 305 /I.S. 456 (2000)</p>	3.43	CUM	1313
10	<p>Providing and fixing in position TMT - FE - 500 Bar Reinforcement of various diameters for R.C.C. pile caps, footings, foundations, slabs, beams columns, canopies, staircase, newels, chajjas, lintels pardis, copings, fins, arches etc. as per detailed designs, drawings and schedules. including cutting, bending, hooking the bars,</p>	2.76	MT	6511

	binding with wires or tack welding and supporting as required complete. (Bd.F.17, Page No. 306)			
<b>11</b>	Providing Second Class Burnt Brick Masonry with conventional/ I.S. type bricks in cement mortar 1:6 in foundations and plinth of inner walls/ in plinth external walls including bailing out water manually , striking joints on unexposed faces, raking out joints on exposed faces and watering etc. Complete. (Bd.G. 1 Page No. 313)	7.88	CUM	6663
<b>12</b>	Providing Second Class Burnt Brick Masonry with conventional/ I.S. type bricks in cement mortar 1:6 in superstructure including striking joints, raking out joints, watering and scaffolding etc. Complete. (Bd.G.5 Page No. 315)	10.37	CUM	6874
<b>13</b>	Providing Second Class Burnt Brick Masonry with conventional/ I.S. type bricks in cement mortar 1:4 in half brick thick wall including mild steel longitudinal reinforcement of 2 bars of 6 mm diameter / 2 hoop iron strips 25 mm X 1.6 mm placed at every third course, properly bent and bonded at ends scaffolding, racking out joints and watering etc. complete. (Bd.G.7 Page No. 316)	60.75	SQM	926.0
<b>14</b>	Providing Internal Cement Plaster 12mm Thick in single coat in cement mortar 1:4 without neeru finish to concrete or brick surfaces, in all positions including scaffolding and curing etc. complete. (Bd. L.2 Page No. 368)	262.65	SQM	257.0
<b>15</b>	Providing Sand Faced Plaster Externally in cement mortar using approved screened sand, in all positions including base coat of 15 mm thick in cement mortar 1:4 using waterproofing compound at 1 kg per cement bag curing the same for not less than 2 days and keeping the surface of the	93.91	SQM	599.0

	base coat rough to receive the sand faced treatment 6 to 8 mm thick in cement mortar 1:4 finishing the surface by taking out grains and curing for fourteen days scaffolding etc.complete. (Bd.L.7 Page No. 369)			
16	Providing and fixing Solid Core Flush Door Shutter in single leaf 32mm thick decorative type of exterior grade as per detailed drawings approved face veneers 3mm thick on both faces or as directed , all necessary beads , mouldings and lipping , wrought iron hold fasts , chromium plated fixtures and fastenings , with brass mortise lock , chromium plated handles on both sides , and finishing with French Polish etc. complete. (BD-T-34 Page No. 499)	25.06	SQM	2693
17	Providing and fixing in position (asper1868/1982) Alluminium Sliding Window of Three Tracks with rectangular pipe 95x38.10x0.90mm at weight 0.637 kg/Rmt. with window frame bottom track section 92x31.75x1.30mm at weight 1.070kg/Rmt. Top and side track section 92 x31.75 x1.30 mm at weight 0.933kg/Rmt. The shutter should be of bearing bottom 40x18x1.25mm at weight 0.417 kg /Rmt .Interlocking section 40x18x1.10mm at weight 0.469kg/Rmt. and handle and top section 40x18x1.25mm at weigh to.417kg/Rmt. As per detailed drawings and as directed by Engineer in charge with all necessary Aluminium sections fixtures and fastenings such as roller bearing in nylon casting and self locking catch fitted in vertical section of shutter including 5 mm thick plain glass and aluminium mosquito net shutter with stainless steel jail with all required screws and nuts etc, complete. With colour Anodising with box (As	14.16	SQM	5826

directed by Engineer in charge.)

<b>18</b>	Providing and fixing in position Powder Coated Aluminium Louvered Windows / Ventilator of various sizes with powder coating as per detailed drawing and specifications including aluminium frames 80 x 38 mm x 1.22 mm box type, 5 mm thick sheet glass louvers, of approved quality etc. complete. (As directed by Engineer in charge.)	7.92	SQM	2841
<b>19</b>	Providing and laying Vitrified Matt Finish Tiles having size 590 mm to 605 mm x to 605 mm of 8 to 10 mm thickness and confirming IS. 15622-2006 (Group Bla) of approved make, shade and pattern for flooring in required position laid on a bed of 1:4 cement morar including neat cement float, filling joints, curing and cleaning etc. complete. a) For Flooring (Bd.M.12 Page No. 385)	58.98	SQM	1526
<b>20</b>	Providing and laying Vitrified Matt Finish Tiles having size 590 mm to 605 mm x to 605 mm of 8 to 10 mm thickness and confirming IS.15622-2006 (Group Bla) of approved make, shade and pattern for dado & Skieting in required position laid on a bed of 1:4 cement mortar including neat cement float, filling joints, curing and cleaning etc. complete. b) For Skirting (Bd.M.12 Page No. 385)	15.66	SQM	1916
<b>21</b>	Providing and laying Ceramic Tiles of having size 30 cm x 30 cm confirming to I.S.15622/2006 (group D II-A) and 7 to 8 mm thick for flooring in required position laid on a bed of 1:4 cement mortar including cement float, filling joint with white/colour cement slurry cleaning curing etc. complete. For Toilet (Bd.M.12 Page No. 385.)	13.85	SQM	1083



22	Providing and laying Ceramic Tiles of having size 30 cm. x 30 cm. and confirming to corresponding I.S. for dado and skirting in required position with readymade adhesive mortar of approved quality on plaster of 1:2 cement mortar including joint filling with white/ colour cement slurry cleaning curing etc. complete. For Toilet (Bd.M.13 Page No. 386.)	16.30	SQM	1150
23	Provision of construction of Parapet Wall as per the detailed drawing all around the slab periphery with second class burnt brick masonry with all internaland external plastering etc complete with all measures.(As directed by Engineer in charge.)	25.00	RM	1500
24	Providing and applying priming coat on concrete/ masonry/ Asbestos Cement plastered surfaces including scaffolding if necessary, preparing the surface by thoroughly cleaning oil, grease, dirt and other foreign matter and sand papering as required etc. complete.	1041.67	SQM	36.00
25	Providing and applying white-wash in two coats on old / new plastered or masonry surfaces and asbestos cement sheets including scaffolding and preparing the surface by brushing and brooming down etc. complete. (Bd. P. I Page No. 411.)	3125.00	SQM	12.00
26	Providing and applying two coats of exterior weather shield paint of approved manufacture and of approved colour to the plastered surfaces including cleaning ,preparing the plaster surface ,applying primer coat ,scaffolding if necessary, and watering the surface for two days etc complete.	152.54	SQM	295.00
27	Providing and Fixing mat finish stainless steel (of	4.23	RM	3545

	302 grade ) railing with top pipe of 50 mm dia. and vertical pipe of 38 mm dia at 0.60 m c/c or as required and horizontal pipes of 25 mm dia in three rows, all pipes of 2 mm thick including buffing,fabricating fixtures and fastening including pipe base of appropriate diameter and ball base of 75 mm dia above newel post of 75 mm diameter etc. complete			
<b>28</b>	Providing and fixing H.D.P container Syntex or alike one piece moulded water tank made out of low density polythyler and built corrugation including of delivery up to destination hoisting and fixing of accessories such as inlet, outlet overflow of all tanks capacity above 1000 to 20,000 litres	2386.36	Litre	11.00
	Add for Contengencies & Water Charges at 2.50%			
	Add for Electrification & Other Charges at 2.50%			
	<b>TOTAL</b>			