

Estimate for Retaining & Compound Wall Work for Bank of Maharashtra Bhigwan,

Pune

Sr. No.	Description	Quantity	Unit	Rate	Amount IN Rs.
A.	Excavation & Filling : Note Excavation Shall be Payable only on PCC Size & the actual depth				
A1	Excavation for foundation in hard murum including removing the excavated material upto distance of 50 metres 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. By Mechanical Means		Cum		
	a) 0.00 - 1.50M	45.32	Cum		0.00
	b) 1.50 - 3.00M	20.00	Cum		0.00
A2	Excavation for foundation in Hard rock by chiselling, wedging, line drilling, etc. including trimming and levelling the bed, removing the excavated material upto a distance of 50 metres beyond the building area stacking as directed, dewatering and back filling with available earth/ murum watering, ramming etc. complete. (Lift upto 1.5 m). By Mechanical Means		Cum		
	a) 0.00 - 1.50M	67.97	Cum		0.00
	b) 1.50 - 3.00M	100.00	Cum		0.00
A3	Excavation for foundation in laterite rock (soft or hard) including trimming and levelling the bed for the foundation, removing the excavated material up to a distance of 50 metres beyond the building area, stacking as directed, dewatering and back filling with available murum, watering, ramming etc. complete. (Lift upto 1.5 m.) By Mechanical Means		Cum		
	a) 0.00 - 1.50M	113.29	Cum		0.00
	b) 1.50 - 3.00M	0.00	Cum		0.00



A4	Filling in plinth and floors with approved excavated material in 15cm. to 20cm. layers including watering and compacting etc. complete.	320.00	Cum		0.00
A5	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.	72.00	Cum		0.00
A6	carting away Carting away excavated stuff out side the site primises with to nearest dumping yard authorised. including loading, unloading, transport and spreading as directed	100.00	Cum		0.00
A7	Dismantalling of Existing Wall of Construction as per Site with whole Structure including Foundation , walls, etc. removal of debries, Removal & keeping whole structural steel at one point (as plot shown by engg. Incharge) . Contractor should must visit the site.	1.00	Job		0.00
B Concrete & Steel Work					
B1	Providing and laying in situ cement concrete in 1:5:10 (Plum Concrete) of trap / granite / quartzite / gneiss metal for foundation and bedding including bailing out water, form work, compacting, fininshing if required and curing complete. Spec. No. Bd. E. 2 Page No. 288	36.00	Cum		0.00



B2	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 microprocessor 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)	23.85	Cum	0.00
B3	Providing and laying Cast in situ/Ready Mix Cement concrete M-25 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, cover blocks, laying/pumping, compaction and curing roughening the surface if special finish is to be provided (excluding reinforcement and structural steel) etc. complete, with fully automatic microprocessor 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)	83.475	Cum	0.00



B4	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 microprocessor 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)	5.46	Cum		0.00
B5	Providing and laying Cast in situ/Ready Mix Cement concrete in M-25 of trap/ granite/ quartzite/ gneiss metal for R.C.C. pardi of required thickness including steel centering, formwork, cover blocks, laying/pumping, compacting and roughening them if special finish is to be provided and curing complete. (excluding reinforcement and structural steel) with fully automatic microprocessor 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)	104.4	Cum		0.00
B6	Providing and laying weep holes of 100 mm diameter PVC pipes as per drawing for abutment returns, return walls etc. Complete.	20.00	Rmt.		0.00



B7	Providing and laying Cast in situ/Ready Mix Cement concrete in M-20 of trap/ granite/ quartzite/ gneiss metal for R.C.C.coping to plinth or parapet and sill of doors and windows moulded as per detailed drawings or chamfered as approved by the Engineer including steel centering, formwork, cover blocks, laying/pumping, compacting, curing , finishing and roughening them if special finish is to be provided and curing complete. (excluding reinforcement and structural steel) with fully automatic microprocessor 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)	6.21	Cum		0.00
B8	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, binding with wires or tack welding and supporting as required complete.	24.00	MT		0.00
B9	Providing and fixing mild steel grill gate with angle iron frame 65mm x 65mm x 10mm with iron bars at 150mm C/C and diagonal flats as per the detailed drawing including hinges, pivot block locking arrangement, welding riveting and oil painting of three coats of approved shade Weight of gate 35 Kg/Smt.	1542.86	KG.		0.00



B1	viding and erecting 1.5 metre high wire fencing with seven rows of barbed wire supported on M.S.Angles (50mm x 50mm x 6mm) at 2.5 Metres, Center to center including excavating pits for foundqtion, fixing post in cement cocnrete 1:4:8 of size 45 x 45 x 45 cm fastening the wire and painting the M.S.Angles with one coat of red lead primer and two coats of painting etc.complete.	90.00	RMT.		0.00
B1	Providing and laying concrete pipes of I.S.NP. class in proper line, level and slope including necessary collars, excavation, laying, fixing with collars in cement mortar 1:1 and refilling the trench complete.				
	150mm diameter	20.00	Rmt.		0.00
	300mm diameter	20.00	Rmt.		0.00
C Expansion Joint					
C1	Providing and fixing bituminous pad 25mm thick for expansion joints in retaining wall, compound wall etc. complete.	3.48	SGM		0.00
D Masonry Work					
D1	Providing first class Burnt Brick masonry with conventional / I.S. type bricks in cement mortar 1:4 including scaffolding, racking out joints pointing in C.M. 1:3 and watering in pillars of rectangular or square shape as shown on the drawing or as directed etc.complete.	49.68	Cum		0.00
E Plaster					



E1	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 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.	821.7	SQM		0.00
F Painting					
F1	Providing and applying external raincoat painting with crack filling acrylic polymer based chemical compound coating to the external surface of walls to prevent water seepage in the masonry walls during monsoon added with required shade Steiner to give required shade to the surface in two coats. Including providing three coat of priming of polymer base primer including preparing surface scrapping the existing loose old paint, removing loose particles of sand on the surface opening and cleaning the cracks developed in the external plaster, removing loose particles by chiseling, filling cracks by chemicals compound of approved make with proper penetration etc. Coating of Raincoat with the help of brush and as per instructions and specification given by manufacturer and with instruction from Engineer in-charge. Work shall be executed by certified applicator only and covering gurantee of 3 years on court stamp paper of Rs. 500/- and necessary testing etc. complete.	821.7	SQM		0.00
Total Amount in Rs.					0.00



