

Name of Work : Construction of approach path for New Tribology building in
CMERI Institute Premises, Durgapur

ESTIMATE

Item No.	Particulars of items	Unit	Qty	Rate (Rs.)	Amount (Rs.)
1	Earth work in surface excavation not exceeding 30 cm in all kind of soil in depth but exceeding 1.5 m in width as well as 10 sqm on plan including getting out and disposal of excavated earth upto 50 m and lift upto 1.5 m, as directed by Engineer-in-Charge.	sqm	72		
2	Supplying and filling in plinth with sand under floors, including watering, ramming, consolidating and dressing complete.	cum	5		
3	Single Brick Flat Soling of picked jhama bricks including <u>ramming and dressing bed to proper level and filling joints with</u>	sqm	72.00		
4	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 & Cement mortar 1:6 (1 cement : 6 coarse sand) <u>in foundation and plinth.</u>	cum	1.00		
5	Providing and laying in position cement concrete of 1:1½:3 (1 Cement: 1½ coarse sand (zone-III) : 3 graded stone aggregate 20 mm nominal size) excluding the cost of centering and shuttering - All work up to plinth level.	cum	7		
6	Providing and laying in position 1:1.5:3 (1 cement : 1.5 coarse sand (zone-III): 3 graded stone aggregate 20 mm nominal size) of reinforced cement concrete, excluding the cost of centering, shuttering, finishing and reinforcement - All work up to plinth level.	cum	0.5		
7	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level. 22.6 Thermo-Mechanically Treated bars of grade Fe-500D or more	kg	80		
8	Centering and shuttering including strutting, propping etc. and removal of form work for Retaining walls, return walls, walls (any thickness) including attached pilasters, buttresses, plinth and string courses fillets, kerbs and steps etc.	sqm	10		
9	Providing and laying external vitrified tiles of size 300x300 mm (thickness to be specified by the manufacturer) of 1st quality in colours such as White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick cement mortar 1:4 (1 Cement : 4 Coarse sand), jointing with grey cement slurry @ 3.3kg/sqm including pointing the joints <u>with white cement and matching pigment.</u>	sqm	72		
10	Providing and laying external Vitrified tiles of size 300x300 (thickness to be specified by manufacturer) of approved make, in all colours & shade, in skirting, riser of steps, over 12 mm thick bed of cement mortar 1:3 (1 cement: 3 coarse sand), jointing with grey cement slurry @ 3.3kg/sqm including grouting the joint with white cement & matching pigments etc. complete.	sqm	15.00		
11	12 mm cement plaster of mix of mix 1:4 (1 cement : 4 fine sand).	Sqm	10.00		
12	Neat cement punning.	sqm	10.00		

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13	Providing and fixing G.I. pipes of 80 mm dia nominal bore complete with G.I. fittings including necessary trenching and	m	8		
14	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes of 40mm nominal outer dia 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.	m	2		

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