

VISVESVARAYA NATIONAL INSTITUTE OF TECHNOLOGY, NAGPUR.

SCHEDULE -B

Name of work : Refurbishment of Geotechnical Laboratory in Civil Engineering Department. (2nd Call)

Item no.	Description	Estimated Qty.	Unit	Rate in ₹		Amount in ₹
				(in figure)	(in words)	
1	Dismantling brick masonry in lime or cement mortar and stacking the materials as directed with all leads, lifts etc. complete. Spec.No. : As directed by Engineer-in-charge.	3.00	Cu.M			
2	Removing roof ceiling including frame work and stacking the materials as directed with all leads, lifts etc.complete. Spec.No.: As directed by Engineer- in-charge.	15.00	Sq.M			
3	Providing and fixing exterior grade fabricated fiber reinforced heavy duty cement concrete tiles of approved colour and design 22+ 2 mm thick, Bayer colour pigmented as per IS 1237-1980 reaffirmed in 2006, having compressive strength more than 500 kg/cmsq like Ultra tiles or equivalent in plain/designed pattern on a bed of 1:6 cement mortar including cement float,filling joints with neat cement slurry, curing etc complete. a) for flooring Spec.No. : As directed by Engineer-in-charge.	25.00	Sq.M			
4	Providing and Laying ceramic tiles of approved quality , required size and 5 to 6 mm thickness for flooring in required position laid on bed of C.M.1:4 including cement float, filling joint with white / colour cement slurry, cleaning, curing, complete. Spec.No.: As directed by Engineer- in-charge.	20.00	Sq.M			

Item no.	Description	Estimated Qty.	Unit	Rate in ₹		Amount in ₹
				(in figure)	(in words)	
5	Providing and fixing ceramic tiles of approved quality , required size and 5 to 6 mm thickness for dado and skirting in required position with ready made adhesive mortar of approved quality in required position after making the wall portion in level in plaster of C.M. 1:4 including joint filling with white/colour cement slurry cleaning curing complete. Spec.No.: As directed by Engineer-in-charge.	3.00	Sq.M			
6	Providing, supplying and fixing in position aluminium partitions, partly glazed and partly laminated having frame made out of extruded tubular section of size 40mm x 65 mm with 12 mm thick three layered flat pressed teak wood particle board bonded with BWP type exterior grade phenol formaldehyde synthetic resin conforming to I.S.12823-1990, laminated on both sides, Novateak or equivalent and 5 mm thick selected quality float glass pannels fixed with aluminium glass clips 12 mm x 12 mm and rubber cushioning beading to glass partition as per approved drawing etc. complete. (Sample to be got approved from Ex. Engineer before use) Spec.No. : As directed by Engineer-in-charge. b) For powder coating extruded aluminium partitions	31.00	Sq.M			
7	Providing and fixing aluminium fully glazed doors including door frame with powder coating 5 mm thick sheet glass necessary fixtures and fastenings, neoprene type rubber plain gaskets as per detailed drawing and specifications etc. complete. (Sample to be got approved from Ex. Engineer before use) Spec.No. : As directed by Engineer-in-charge. a) Powdered coated	2.50	Sq.M			

Item no.	Description	Estimated Qty.	Unit	Rate in ₹		Amount in ₹
				(in figure)	(in words)	
8	Providing and fixing suspended white/colour decorative ceiling of gypsum board which includes G.I. Perimeter channel (MF6) of size 0.40 mm thick (having one flange of 20 mm and another flange of 30 mm and web of 27 mm) along with perimeter of ceiling, screw fixed to brick wall / partition with the help of nylon sleeves and screws at 610 mm centers. Thereafter suspending G.I. intermediate channel (MF 7) 600 mm. C/C of size 45mm (0.9 mm thick with two flanges of 15 mm each) from the soffit at 450 mm centre with connecting angle (ie ceiling angle) of width 25mm x 10mm x 0.40mm thick fixed to soffit with G.I.cleat and teel expansion fasteners. Ceiling sections (MF 5) of 0.55 mm thickness having knurled web of 51.5 mm and two flanges of 26 mm each with lips of 10.5 mm are then fixed to the intermediate channel with the help of connecting clip and in direction perpendicular to the intermediate channel at 450 mm centers. 12.5 mm tapered Spec.No. : As directed by Engineer-in-charge.	14.00	Sq.M			
9	Providing and fixing in position Partition of polished Kaddappa / Marble / Granite stone of required thickness ,including making groove in wall / concrete surface filling joints with slurry, curing, polishing, rounding edges, as required cleaning etc. complete. Spec.No. : As directed by Engineer-in-charge. A) One Side Polished	10.00	Sq.M			
10	Providing shelves of polished Kaddappa stone 20mm to 25mm thick, on a bed of cement mortar 1:4 including cement float, filling joints with slurry, curing, polishing, rounding edges, cleaning complete. Spec.No.: Bd.M.29/Page No.391 As directed by Engineer-in-charge.	12.00	Sq.M			

Item no.	Description	Estimated Qty.	Unit	Rate in ₹		Amount in ₹
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11	Providing and fixing granite of best quality of approved colour and feature 15 to 18 mm thick in required position with ready made adhesive mortar of approved quality including joint filling with coloured cement slurry cleaning, curing etc. complete . (Prior permission of S.E. is to be obtained before inclusion of this item in the estimate) a) Spec.No. : As directed by Engineer-in-charge. For flooring	6.00	Sq.M			
12	Providing moulding to granite / Marble / Kota stone including polishing, rounding edges, as required cleaning etc. complete. Spec.No. : As directed by Engineer-in-charge. a) Half moulding	20.00	Rmt			
13	Providing and fixing in position cupboard shutters of 25 mm thick waterproof ply (19+6mm) of approved manufacture and laminated with 1 mm thick laminate of approved shade on outer side and 0.8mm thick laminate from inner side the outer edges of ply should be covered with first class CP beadings, with frame work of aluminium rectangular hollow pipe of 50mmx25mm filled with teak wood battens, all hardware fitting, ventilation grills, brass hinges, handle, magnet catcher etc. complete. all edges of the beading to be polished to match the laminate. Spec.No. : As directed by Engineer-in-charge.	5.00	Sq.M			
14	Scraping out old white wash/colour wash by, brushing and or scraping by sand paper and preparing the wall surface smooth including necessary repairs to scratches etc. complete. Including filling cracks in wall with crack filler Spec.No.: As directed by Engineer- in-charge.	350.00	Sq.M			

Item no.	Description	Estimated Qty.	Unit	Rate in ₹		Amount in ₹
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15	Providing and applying putty to old / new plastered surfaces in two coats to receive approved paint in all positions including all materials,labour scaffolding and curing etc. complete. Spec.No. : As directed by Engineer- in-charge.	350.00	Sq.M			
16	Providing and applying washable Acrylic emulsion paint of approved colour and shade to surface in two coats including scaffolding, preparing the surface to receive paint and applying putty etc. complete. Spec.No. : As directed by Engineer-in-charge. b) For New surface	350.00	Sq.M			
17	Providing and applying two coats of synthetic enamel paint of approved colour to new structural steel work and wood work in buildings , including scaffolding if necessary, cleaning and preparing the surface including primer coat complete. (Sample and brand is to be got approved from Ex. Engineer before use) Spec.No. : As directed by Engineer-in-charge.	30.00	Sq.M			
18	Transportation of material obtained from debris of various sorts including necessary excavation/ loosing including loading, unloading and conveying and disposing as directed. For 3 km Spec.No. : As directed by Engineer-in-charge.	3.00	Cu.M			
					Total Amount ₹	
					Add Service Tax	
					Total Amount ₹	

Contractor

**Director
VNIT, Nagpur**