

Name of work: Outside painting work at New Guest House at NIT Silchar.

Sub Head: Outside painting, Road marking of the campus, Fencing painting at main road upto Mechanical Department.

Completion period: 60 days.

Schedule of Rate

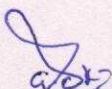
Sl. No.	Description of Item	Unit	Quantity
1	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means over areas (exceeding 30cm in depth. 1.5 m in width as well as 10 sqm on plan) including disposal of excavated earth, lead upto 50m and lift upto 1.5m, disposed earth to be levelled and neatly dressed. All kind of soil	Cum	15.00
2	Demolishing brick work manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 metres lead as per direction of Engineer-in-charge. In cement mortar	Cum	2.00
3	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer - in - charge. Nominal concrete 1:3:6 or richer mix (i/c equivalent design mix)	Cum	2.00
4	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :		
	1:1½:3 (1 Cement: 1½ coarse sand: 3 graded stone aggregate 20 mm nominal size)	Cum	2.00
	1:3:6 (1 Cement : 3 coarse sand : 6 graded stone aggregate 20mm nominal size)	Cum	3.00
5	Reinforced cement concrete work in beams, suspended floors, roofs having slope up to 15° landings, balconies, shelves, chajjas, lintels, bands, plain window sills, staircases and spiral stair cases above plinth level up to floor five level, excluding the cost of centering, shuttering, finishing and reinforcement, with 1:1.5:3 (1 cement : 1.5 coarse sand (zone-III) : 3 graded stone aggregate 20 mm nominal size).	Cum	2.00
6	Centering and shuttering including strutting, propping etc. and removal of form for all heights : Foundations, footings, bases of columns, etc. for mass concrete	Sqm	20.00
7	Columns, Pillars, Piers, Abutments, Posts and Struts	Sqm	20.00
8	Centering and shuttering including strutting, propping etc. and removal of form for : Weather shade, Chajjas, corbels etc., including edges	Sqm	20.00
9	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete above. Thermo-Mechanically Treated bars of grade Fe-500 D or more.	Kg	100.00
10	Providing and fixing sheet covering over expansion joints with iron screws as per design. Aluminium fluted strips 3.15 mm thick. 200 mm wide	Rmt	60.00
11	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth in: Cement mortar 1:4 (1 cement : 4 coarse sand)	Cum	5.00
12	Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level. Cement mortar 1:4 (1 cement :4 coarse sand)	Sqm	40.00
13	Providing and fixing M.S. grills of required pattern in frames of windows etc. with M.S. flats, square or round bars etc. including priming coat with approved steel primer all complete. Fixed to steel windows by welding	Kg	100.00

14	Structural steel work in single section, fixed with or without connecting plate, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete.	Kg	200.00
15	Providing and fixing on wall face unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion, (i) Single socketed pipes.		
	75 mm diameter	Rmt	20.00
	110 mm diameter	Rmt	30.00
16	Providing and fixing on wall face unplasticised - PVC moulded fittings/accessories for unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion		
	(a) Coupler		
	75 mm diameter	Each	10.00
	110 mm diameter	Each	10.00
	(b) Single tee with door		
	75x75x75 mm	Each	10.00
	110x110x110 mm	Each	10.00
	(c) Single tee without door		
	75x75x75 mm	Each	10.00
	110x110x110 mm	Each	10.00
	(d) Bend 87.5°		
	75 mm diameter	Each	10.00
	110 mm diameter	Each	10.00
17	Providing and fixing unplasticised -PVC pipe clips of approved design to unplasticised - PVC rain water pipes by means of 50x50x50 mm hard wood plugs, screwed with M.S. screws of required length, including cutting brick work and fixing in cement mortar 1:4 (1 cement : 4 coarse sand) and making good the wall etc complete		
	75mm	Each	10.00
	110mm	Each	15.00
18	15 mm cement plaster on rough side of single or half brick wall finished with a floating coat of neat cement of mix : 1 : 4 (1 cement : 4 fine sand)	Sqm	100.00
19	Neat cement punning.	Sqm	17.00
20	Repairs to plaster of thickness 12 mm to 20 mm in patches of area 2.5 sq. meters and under, including cutting the patch in proper shape, raking out joints and preparing and plastering the surface of the walls complete, including disposal of rubbish to the dumping ground, all complete as per directions of Engineer-In-Charge. With cement mortar 1:4 (1cement: 4 coarse sand)	Sqm	100.00
21	Removing white or colour wash by scrapping and sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete	Sqm	6150.00
22	Applying one coat of water thinnable cement primer of approved brand and manufacture on wall surface : Water thinnable cement primer	Sqm	6150.00
23	Distempering with oil bound washable distemper of approved brand and manufacture to give an even shade : Old work (one or more coats)	Sqm	1800.00
24	Finishing walls with Acrylic Smooth exterior paint of required shade: Old work (Two or more coat applied @ 1.67 ltr/ 10 sqm) on existing cement paint surface	Sqm	4350.00
25	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade : One or more coats on old work	Sqm	600.00

26	Applying priming coat: With ready mixed pink or Grey primer of approved brand and manufacture on wood work (hard and soft wood)	Sqm	60.00
27	With ready mixed red oxide zinc chromate primer of approved brand and manufacture on steel galvanised iron/ steel works	Sqm	61.00
28	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade : Two or more coats on new work	Sqm	120.00
29	Hacking of CC flooring including cleaning for surface etc. complete as per direction of the Engineer-in-Charge.	Sqm	45.00
30	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, 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. Internal work - Exposed on wall		
	40 mm nominal outer dia Pipes	Rmt	15.00
	50 mm nominal outer dia Pipes	Rmt	15.00
31	Painting runway/taxi track/apron marking with adequate nos of coats to give uniform finish with road marking paint of superior make as approved by the Engineer-in-charge, i/c cleaning the surface of ail dirt, scales, oil, grease and other foreign material etc. and lining out complete. Old work (One or more coats)	Sqm	660.00
32	Painting with aluminium paint of approved brand and manufacture to give an even shade: One or more coats on old work	Sqm	1800.00
33	Varnishing with flattening varnish of approved brand and manufacture one or more coats on old work.	Sqm	48.00
34	Constructing masonry Chamber 30x30x50 cm inside, in brick work in cement mortar 1:4 (1 cement :4 coarse sand) for stop cock, with C. I. surface box 100x100 x75 mm (inside) with hinged cover fixed in cement concrete slab 1:2:4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size), i/c necessary excavation, foundation concrete 1:5:10 (1 cement : 5 fine sand : 10 graded stone aggregate 40mm nominal size) and inside plastering with cement mortar 1:3 (1 cement : 3 coarse sand) 12mm thick, finished with a floating coat of neat cement complete as per standard design : With common burnt clay F.P.S.(non modular) bricks of class designation 7.5	Each	3.00

Total Estimated Cost: Rs. 16,27,528.00 over DSR 2016 with 49.02% cost Index & 1% Labour Cess.

<p>Quoted Rate in percentage (%) over estimated cost (In word & fig)</p>	
---	--


Dean (P&D)
NIT Silchar-10


Asst Engineer
NIT Silchar-10