

### **3.SCHEDULE OF QUANTITIES**

## SCHEDULE OF QUANTITIES

Name of Work: Construction of Main Entrance Gate at NIT Meghalaya permanent campus, Sohra (Cherrapunjee).					
Sl. No	Particulars of Items	Units	Qty	Rates to be quoted in figures & words (inclusive of all taxes) (Rs)	Amount (Rs)
1	Earth work in Excavation by mechanical means over areas (exceeding 30cm in depth, 1.5m in width as well as 10sqm on plan) including disposal of excavated earth, lead upto 50m and lift upto 1.5m, disposed earth to be levelled and nearly dressed.	Cum	163.37		
	In medium rock				
2	Earthwork in filling including necessary carriage, watering, ramming etc. complete as directed and specified.				
	Earth/ Sand filling in plinth in layers not exceeding 150mm thick	Cum	50.36		
	With available excavated earth including breaking of clods, consolidating each layer by ramming and watering with all lead and lifts.				
3	Plain cement concrete works with coarse aggregate of sizes 13mm to 32mm in foundation bed for footing steps, walls, brick works etc. as directed and specified including dewatering if necessary, and curing complete (shuttering where necessary shall be measured and paid separately).	Cum	16.23		
	In prop. 1:3: 6 (1 cement:3 coarse sand : 6 coarse agg. by volume (using mixture machine)				
4	Providing and laying Concrete in Reinforced Cement Concrete Works using Concrete Mixture Machine with coarse sand & 20mm down graded stone aggregate including dewatering if necessary, and curing complete but excluding cost of form work and reinforcement for reinforced cement concrete work (form work and reinforcement will be measured and paid separately)				
(i)	In Foundation and sub - structure including footing, columns with base, tie and plinth beam, pile cap, raft slab, base slab, RCC walls, retaining walls, walls of septic tank, inspection pit and the like and other works not less than 100mm thick up to Plinth Level. (Without using admixture, plasticiser)	Cum	35.52		
	M20 or Prop. 1:11/2:3				

(ii)	In Columns, pillars, posts, struts, suspended floor, roof, landing, shelf and support, balcony, lintel, sill band, beam, girder, bressumer, cantilever, staircase etc. above plinth level upto 1st floor level. (Without using admixture, plasticiser)	Cum	46.88		
	M20 or Prop. 1:1.5:3				
5	Supplying, fitting and fixing in position reinforcement bars upto 1st floor level, conforming to relevant I.S. Code for R.C.C. work/ R.B. walling including straightening, cleaning, cutting and bending to proper shapes and length as per details, supplying and binding with 20G annealed black wire and placing in position with proper blocks, supports, chairs, spacers etc. complete. (Rates inclusive of all wastage, lappage, hooks, chairs, anchorage etc. and no measurements for the same is required)	Qntl	133.24		
	From Primary Sources like TATA/ SAIL/ ESSAR/ JINDAL/ SHYAM/ RINL				
	TMT Corrosion resistant steel (CRS) reinforcement bar				
6	Brick work in cement mortar with 1st class brick including racking out joints and curing complete in sub-structure upto plinth level including dewatering if necessary as directed.	Cum	6.72		
	In proportion 1:5 (1 cement : 5 sand)				
7	Brick work in cement mortar with 1st class brick including racking out joints and curing complete in super-structure above plinth level upto 1st floor level including dewatering if necessary as directed.	Cum	23.16		
	In proportion 1:5 (1 cement : 5 sand)				
8	20 mm thick Cement plaster on rough side in two coats (backing coat 15 mm and finishing coat 5mm thick) on single or half brick walls for interior plastering up to 1st floor level including arises, internal rounded angles, chamfers and / or rounded angles not exceeding 80mm in girth and finished even and smooth including curing complete as directed.	Sqm	382.14		
	In cement mortar 1:4				
9	10 mm thick Cement plaster in single coat on fair side of brick/concrete walls for interior plastering up to 1st floor level including arises or rounded angles not exceeding 80mm girth and finished even and smooth including curing complete as directed.	Sqm	124.70		
	In cement mortar 1:4				

10	Plinth Protection by providing 50mm thick Cement Concrete base in prop 1:3:6 (1 cement:3 coarse sand : 6 coarse agg. of 20mm nominal size) with a layer of 10mm thick cement plaster in prop 1:3 and finishing with a floating coat of neat cement including necessary levelling and preparing the subgrade complete as directed.	Sqm	6.58		
11	Providing wood work in frame (chowkats) of doors, windows, clerestory windows and other similar works wrought, framed and fixed in position in contact with C.C or brick masonry wall including supplying, fitting and fixing with M.S. hold fast (40mmx3mmx250mm) as per design embedded in cement concrete block in proportion 1:2:4 and with two coats of kiricide oiling to the timber faces in contact with C.C and masonry as directed and specified. With Sal wood	Cum	0.25		
12	Providing and fixing flush door shutters solid core construction with frame of 1st class hard wood with cross band and face veneered ply wood face panels conforming to relevant I.S code including oxidised iron butt hinges (100mm x 75mm x 3.5mm) with necessary wood screws. Decorative type face panels and block board core 30 mm thick.	Sqm	5.80		
13	Providing, fitting and fixing 40mm x 48mm wood reinforced PVC chowkat fixed to the columns / stiffeners / walls with necessary holdfast / sleeves etc. as specified and directed at all levels.	Rm	5.00		
14	Providing, fitting and fixing 24mm/ 29mm thick polymer reinforced moulded PVC door shutters fixed to the chowkat with necessary hinges, screws, bolts etc. as specified and directed at all levels (Door fixtures and fittings to be measured and paid separately.) 29mm thick	Sqm	1.59		
15	Providing, fitting and fixing M.S. grill of required pattern for windows/ clerestory windows/ opening/ railing with M.S. flats at required spacing in frame all round, square or round M.S. bars with round headed bolts and nuts or screws. Ornamental grill Fixed to Brickwork/ P.C.C/ R.C.C.	Kgs	647.60		

16	Supplying and installing uPVC- Fixed Windows made out of Lead free green profile having "GREENLINE" mark of BIS standard uPVC multi chambered sections of wall thickness 2.4mm with corners fusion welded, fully reinforced with galvanized steel 1.5/2mm including glazing bead, grooving bead, drain cap, fisher screws, packing pieces, necessary stainless steel screws etc. complete as directed. The windows must be installed complete with all kinds of ironmongery including EPDM gaskets, bridging wedges and glass packers and with suitable water draining system. Application of Silicon sealant from inside / outside of Dow Corning / GE or equivalent. With 5mm clear glass	Sqm	11.92		
	With uPVC sections (ProVent fixed window) of size 37mm x 43mm x 2.2mm thick wall for frame and 37mm x 56mm x 2.2mm thick wall for sash having 1.5mm thick reinforcement for both frame & sash (WINSTA KOMMERLING/ FINESTA/ ENCRAFT).				
17	Providing fitting & fixing of W.I. Clamp of 25cm to 30cm. Long & fixing with Plain Cement Concrete(1:3:6) with 12mm size cbh chips etc complete.	Nos	30		
18	Providing Ceramic Tiles of Somany/ Orient/ Nitco/ Qutone make or equivalent of approved quality, size, shape and thickness not less than 8 mm on floors, skirting, treads and risers of steps over cement mortar bed 15 mm thick in prop. 1:3 (1 cement : 3 coarse sand) including cutting where necessary finished with flush pointing with fix-A Tile Choksey/ Sika/ Pidilite/ Rouf/ White cement slurry mixed with approved pigment to match the shade of tiles, complete at all levels as specified and directed (cement plastering to be measured and paid separately).	Sqm	2.75		
	Normal range (sizes 300mmx300mm and above)				
	Regular				
19	Providing polished ceramic wall tiles of Somany/ Orient/ Nitco/ Qutone make or equivalent of approved quality, size, shape and thickness not less than 8mm on walls and skirting over cement mortar bed 10 mm thick in prop. 1:3 (1 cement : 3 coarse sand ) including cutting where necessary finished with flush pointing with Fix-A-Tile (Choksey / Sika / Pidilite / Rouf) or white cement slurry mixed with approved pigment to match shade of tiles complete at all levels as specified and directed. (Cement plastering to be measured and paid separately).	Sqm	8.93		
	Executive range- 1 (Sizes 200 mm x 300mm and above)				
	Regular Range				

20	<p>Providing polished VITRIFIED wall tiles of Somany/ Orient/ Nitco/ Qutone make or equivalent of approved quality, size, shape and thickness not less than 8mm on walls and skirting over cement mortar bed 10 mm thick in prop. 1:3 (1 cement : 3 coarse sand ) including cutting where necessary finished with flush pointing with Fix-A-Tile (Choksey / Sika / Pidilite / Rouf) or white cement slurry mixed with approved pigment to match shade of tiles complete at all levels as specified and directed. (Cement plastering to be measured and paid separately).</p> <p>Regular range</p>	Sqm	24.05		
21	<p>Cement washing with portland cement slurry on wall surface (one coats) to give a smooth bodied opaque finish including thoroughly brooming the surface to remove all dirt, dust, mortar drops and other foreign matter.</p>	sqm	506.24		
22	<p>Finishing old / new wall with water proofing weather coat smooth anti-fungal exterior painting of pproved make of required shade after cleaning and clearing the surface etc. including scaffolding complete as directed at all levels (two coats)</p>	Sqm	382.14		
23	<p>Wall painting (two coats) with acrylic emulsion paint approved brand and manufacture (Asian paint/ Berger paint/ ICI paint/ J &amp; N paint/ Nerolac) on new surface to give an even shade after thoroughly brushing the surfaces free from mortar droppings and other foreign matter and sand papered smooth.</p>	Sqm	124.70		
24	<p>Painting two coats (excluding priming coat) on new wood and wood based surface with enamel paint of approved brand and manufacture (Asian paint/ Berger paint/ ICI paint/ J &amp; N paint/ Nerolac) to give an even shade including cleaning the surfaces of all dirt, dust and other foreign matter sand papering and stopping.</p> <p>Surfaces over 100mm in width or girth.</p> <p>General purpose (Asian paint/ Berger paint/ ICI paint/ J &amp; N paint/ Nerolac).</p>	Sqm	16.46		
25	<p>Painting two coats (excluding priming coat) on new steel and other metal surface with enamel paint of approved brand and manufacture(Asian paint/ Berger paint/ ICI paint/ J &amp; N paint/ Nerolac) to give an even shade including cleaning the surface of all dirt, dust and other foreign matter.</p> <p>Surfaces over 100mm in width or girth.</p> <p>General purpose (Asian paint/ Berger paint/ ICI paint/ J &amp; N paint/ Nerolac).</p>	Sqm	8.10		

26	<p>Providing and fixing, double skinned partition for wet area using G.I sections, 9/12 mm thick High Pressure Steam Cured Everest Non Asbestos Fibre Cement Heavy Duty Wall Board of M/s Everest Industries Ltd. as per IS 14862 of M/s Everest Industries Ltd., fixed on the framework with 25 mm fully threaded self tapping screws @ 300mm centre to centre on either side of 48/70mm studs (0.55mm thick having one flange of 34mm and another flange of 36mm made of G.I steel placed at 610mm c/c in 50/72mm floor and ceiling channel (0.55mm thick having equal flanges of 32mm G.I steel) with joints staggered to avoid through joints, all complete as per the drawing &amp; directions of engineer-in-charge. The boards may be finished so as to have uniform gap/groove or flush finish. Alternatively, uniform gap/grooves may be covered with decorative moulding or may be finished with expansion filler. Finally, if specified, the boards are to be painted with 2 coats of acrylic emulsion paint of approved shade/make over a coat of cement primer.</p>	Sqm	47.70		
	Everest FC HD Wall board 12 mm				
				<b>Total Quoted Amount (Rs)</b>	

**(Rupees in Words)**

*Dated signature of the Tenderer with Seal*