

SCHEDULE OF QUANTITY

Name of Work:- Raising of Floor Level at DNS portion of Junior Hostel, Indian Maritime University (IMU), Koalkata, Taratala campus, Kolkata.

Sl. No	Description	Quantity	Unit	Rate	Amount	DSR-23
1	EARTH WORK					2
1.1	Supplying and filling in plinth with sand under floors, including watering, ramming, consolidating and dressing complete.	75.00	cum	2123.75	₹ 1,59,281.00	2.27
	Sub-Total				₹ 1,59,281.00	
2	CEMENT CONCRETE (CAST IN SITU)					4
2.1	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :					4.1
2.1.1	1:2:4 (1 cement : 2 coarse sand (zone-III) derived from natural sources : 4 graded stone aggregate 20 mm nominal size derived from natural sources)	36.00	cum	7878.50	₹ 2,83,626.00	4.1.3
	Sub-Total				₹ 2,83,626.00	
3	REINFORCED CEMENT CONCRETE					5
3.1	Reinforced cement concrete work in beams, suspended floors, roofs having slope up to 15 degree 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) derived from natural sources : 3 graded stone aggregate 20 mm nominal size derived from natural sources).	1.00	cum	11505.50	₹ 11,506.00	5.3
3.2	Centering and shuttering including strutting, propping etc. and removal of form for					5.9
3.2.1	Lintels, beams, plinth beams, girders, bressumers and cantilevers	10.00	sqm	736.40	₹ 7,364.00	5.9.5
3.3	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete above plinth level.					5.22A
3.3.1	Thermo-Mechanically Treated bars of grade Fe-500D or more.	100.00	kg	107.85	₹ 10,785.00	5.22A.6
	Sub-Total				₹ 29,655.00	
4	MASONRY WORK					6
4.1	Brick work 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 in all shapes and sizes in :					6.4
4.1.1	Cement mortar 1:6(1 cement : 6 coarse sand)	1.00	cum	9105.95	₹ 9,106.00	6.4.2
	Sub-Total				₹ 9,106.00	
5	WOOD AND P. V. C. WORK					9
5.1	Providing wood work in frames of doors, windows, clerestory windows and other frames, wrought framed and fixed in position with hold fast lugs or with dash fasteners of required dia & length (hold fast lugs or dash fastener shall be paid for separately).					9.1
5.1.1	Second class teak wood	0.15	cum	142949.70	₹ 21,442.00	9.1.1
5.2	Providing and fixing ISI marked flush door shutters conforming to IS : 2202 (Part I) decorative type, core of block board construction with frame of 1st class hard wood and well matched teak 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters.					9.20
5.2.1	35 mm thick including ISI marked Stainless Steel butt hinges with necessary screws	4.00	sqm	3473.85	₹ 13,895.00	9.20.1

Sl. No	Description	Quantity	Unit	Rate	Amount	DSR-23
5.3	Providing and fixing aluminium sliding door bolts, ISI marked anodised (anodic coating not less than grade AC 10 as per IS: 1868), transparent or dyed to required colour or shade, with nuts and screws etc. complete :					9.96
5.3.1	300x16 mm	4.00	each	303.25	₹ 1,213.00	9.96.1
5.4	Providing and fixing aluminium tower bolts, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade, with necessary screws etc. complete :					9.97
5.4.1	250x10 mm	4.00	each	115.15	₹ 461.00	9.97.2
5.5	Providing and fixing aluminium handles, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade, with necessary screws etc. complete :					9.100
5.5.1	125 mm	8.00	each	66.25	₹ 530.00	9.100.1
	Sub-Total				₹ 37,541.00	
6	FLOORING					11
6.1	Providing and laying Vitrified tiles in floor in diferent sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS:15622, of approved brand & manufacturer, in all colours and shade, laid on 20 mm thick cement mortar 1:4 (1 cement: 4 coarse sand) jointing with grey cement slurry @3.3 kg/sqm including grouting the joints with white cement and matching pigments etc. The tiles must be cut with the zero chipping diamond cutter only . Laying of tiles will be done with the notch trowel, plier, wedge, clips of required thickness, leveling system and rubber mallet for placing the tiles gently and easily.					11.41A
6.1.1	Double charge vitrified tile polished finish of size					11.41A.1
6.1.1.1	Size of Tile 600 x 600 mm	360.00	sqm	1453.65	₹ 5,23,314.00	11.41A.1.1
6.2	Providing and laying Vitrified tiles in diferent sizes (thickness to be specified by manufacturer), with water absorption less than 0.08 % and conforming to I.S. 15622, 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 @ 3.3 kg/ sqm including grouting the joint with white cement & matching pigments etc. complete.					11.46
6.2.1	Size of Tile 600x600 mm	60.00	sqm	1623.05	₹ 97,383.00	11.46.2
	Sub-Total				₹ 6,20,697.00	
7	FINISHING					13
7.1	12 mm cement plaster of mix:					13.1
7.1.1	1:6(1 cement: 6 fine sand)	100.00	sqm	333.35	₹ 33,335.00	13.1.2
7.2	15 mm cement plaster on the rough side of single or half brick wall of mix:					13.2
7.2.1	1:6 (1 cement: 6 fine sand)	100.00	sqm	383.00	₹ 38,300.00	13.2.2
7.3	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade:					13.62
7.3.1	Two or more coats on new work over an under coat of suitable shade with ordinary paint of approved brand and manufacture	100.00	sqm	226.25	₹ 22,625.00	13.62.1

Sl. No	Description	Quantity	Unit	Rate	Amount	DSR-23
7.4	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete.	200.00	sqm	156.05	₹ 31,210.00	13.80
7.5	Wall painting with premium acrylic emulsion paint of interior grade, having VOC (Volatile Organic Compound) content less than 50 grams/ litre of approved brand and manufacture, including applying additional coats wherever required to achieve even shade and colour.					13.83
7.5.1	Two coats	300.00	sqm	142.80	₹ 42,840.00	13.83.2
7.6	Applying priming coats with primer of approved brand and manufacture, having low VOC (Volatile Organic Compound) content.					13.85
7.6.1	With water thinnable cement primer on wall surface having VOC content less than 50 grams/litre	300.00	sqm	73.95	₹ 22,185.00	13.85.3
	Sub-Total				₹ 1,90,495.00	
8	Dismantling and Demolishing					15
8.1	Demolishing R.C.C. work manually/ by mechanical means including stacking of steel bars and disposal of unserviceable material within 50 metres lead as per direction of Engineer - in- charge.	1.00	cum	3551.25	₹ 3,551.00	15.3
8.2	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.					15.7
8.2.1	In cement mortar	1.00	cum	2060.20	₹ 2,060.00	15.7.4
8.3	Dismantling doors, windows and clerestory windows (steel or wood) shutter including chowkhats, architrave, holdfasts etc. complete and stacking within 50 metres lead :					15.12
8.3.1	Of area beyond 3 sq. metres	8.00	each	502.75	₹ 4,022.00	15.12.2
	Sub-Total				₹ 9,633.00	
	Total				₹ 13,40,034.00	
	Modified Estimated Cost after using correction factor on DSR 2023 on account of GST @ 0.973 on			₹ 13,40,034.00	₹ 13,03,853.00	
	Add Cost Index @22% on			₹ 13,03,853.00	₹ 2,86,848.00	
	Total				₹ 15,90,701.00	

Executive Engineer
KCD-IV,CPWD,Kol-20