

ABSTRACT OF COST

Name of Work:-		Repair and renovation of Rooms at Vidyasagar Hostel of ICAR-CIFE, 32-GN Block, Sector-V, Salt Lake, Kolkata. (Balance work). SH-I: Repair and renovation of Rooms with flooring and painting.				
Sl. No	DSR No.	Description	Qty	Unit	Rate	Amount
1	6.13	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.				
1.1	6.13.2	Cement mortar 1:4(1 cement :4 coarse sand)	15.00	sqm	1123.80	₹ 16,857.00
2	8.2	Providing and fixing 18 mm thick gang saw cut, mirror polished, premoulded and prepolished, machine cut for kitchen platforms, vanity counters, window sills, facias and similar locations of required size, approved shade, colour and texture laid over 20 mm thick base cement mortar 1:4 (1 cement : 4 coarse sand), joints treated with white cement, mixed with matching pigment, epoxy touch ups, including rubbing, curing, moulding and polishing of edges to give high gloss finish etc. complete at all levels.				
2.1	8.2.2	Granite stone slab of colour black, Cherry/Ruby red				
2.1.1	8.2.2.1	Area of slab upto 0.50 sqnn	17.00	sqm	5413.50	₹ 92,030.00
3	9.21	Providing and fixing ISI marked flush door shutters conforming to IS : 2202 (Part I) non-decorative type, core of block board construction with frame of 1st class hard wood and well matched commercial 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters:				
3.1	9.21.1	35 mm thick including ISI marked Stainless Steel butt hinges with necessary screws	56.70	sqm	2392.65	₹ 1,35,663.00
3.2	9.21.3	35 mm thick including ISI marked Stainless Steel butt hinges with necessary screws	23.10	sqm	2819.25	₹ 65,125.00
4	9.23	Extra for providing lipping with 2nd class teak wood battens 25 mm minimum depth on all edges of flush door shutters (over all area of door shutter to be measured).	56.70	sqm	462.35	₹ 26,215.00
5	9.46	Providing and fixing chromium plated brass curtain rod having wall thickness of 1.25 mm with two chromium plated brass brackets fixed with C.P. brass screws and PVC sleeves etc., wherever necessary complete:				
5.1	9.46.3	25 mm dia	119.00	metre	525.55	₹ 62,540.00
6	9.48	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				
6.1	9.48.2	Fixed to openings /wooden frames with rawl plugs screws etc.	241.00	kg	238.35	₹ 57,442.00
7	9.96	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 :				
7.1	9.96.1	300x16 mm	36.00	each	303.25	₹ 10,917.00
8	9.97	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 :				
8.1	9.97.1	300x10 mm	36.00	each	130.10	₹ 4,684.00
9	9.100	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 :				
9.1	9.100.1	125 mm	72.00	each	66.25	₹ 4,770.00
10	9.114	Providing and fixing magnetic catcher of approved quality in cupboard/ ward robe shutters, including fixing with necessary screws etc. complete.				
10.1	9.114.2	Double strip (horizontal type)	72.00	each	39.70	₹ 2,858.00

11	9.150	Providing and fixing zinc alloyed (white powder coated) touch lock for uPVC sliding window with necessary screws etc. complete.	96.00	each	204.00	₹ 19,584.00
12	9.151	Providing and fixing steel roller for uPVC sliding window with necessary screws etc. complete.	428.00	each	115.80	₹ 49,562.00
13	Analised Rate Based on	Providing & fixing fly proof wire gauze to windows, clerestory windows & doors with Aluminium snap beading / U beading with stainless steel screws complete.				
13.1	DSR'2023	Stainless steel (grade 304) wire gauze of 0.5 mm dia wire and 1.4 mm aperture on both sides	73.00	sqm	1209.90	₹ 88,323.00
14	Analised Rate Based on DSR'2023	Providing and laying vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS: 15622, of approved make, in all colours and shades, laid on 20mm 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. complete				
14.1		Full body vitrified tile				
14.1.1		Size of Tile 600x600 mm	327.00	sqm	1553.45	₹ 5,07,978.00
15	11.46	Providing and laying Vitrified tiles in different 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.				
15.1	11.46.2	Size of Tile 600x600 mm	33.00	sqm	1623.05	₹ 53,561.00
16	13.4	12 mm cement plaster of mix:				
16.1	13.4.2	1:6 (1 cement: 6 coarse sand)	100.00	sqm	343.65	₹ 34,365.00
17	13.16	6 mm cement plaster of mix :				
17.1	13.16.1	1:3 (1 cement: 3 fine sand)	50.00	Sqm	300.45	₹ 15,023.00
18	13.41	Distempering with 1st quality acrylic distemper (ready mixed) having VOC content less than 50 gram/litre, of approved manufacturer and of required shade and colour all complete to achieve even shade and colour :				
18.1	13.41.1	New work (two or more coats) over and including water thinnable priming coat with cement primer having VOC content less than 50 gram/litre	2909.00	sqm	185.65	₹ 5,40,056.00
18.2	A/R based on DSR'2023	Old work (two or more coats) over existing water thinnable priming coat having VOC content less than 50 gram/litre	1099.00	sqm	124.30	₹ 1,36,606.00
19	13.61	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade :				
19.1	13.61.1	Two or more coats on new work	446.00	sqm	155.90	₹ 69,531.00
20	13.80	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.	1164.00	sqm	156.05	₹ 1,81,642.00
21	13.88	Removing white or colour wash by scrapping and sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete	2699.00	sqm	19.75	₹ 53,305.00
22	15.2	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer - in - charge.				
22.1	15.2.1	Nominal concrete 1:3:6 or richer mix (including equivalent design mix)	19.70	cum	2434.25	₹ 47,955.00
23	15.7	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.				
23.1	15.7.4	In cement mortar	0.50	cum	2060.20	₹ 1,030.00

24	15.12	Dismantling doors, windows and clerestory windows (steel or wood) shutter including chowkhats, architrave, holdfasts etc. complete and stacking within 50 metres				
24.1	15.12.1	Of area 3 sq. metres and below	66.00	each	367.20	₹ 24,235.00
25	15.13	Taking out doors, windows and clerestory window shutters (steel or wood) including stacking within 50				
25.1	15.13.1	Of area 3 sq. metres and below	41.00	each	143.50	₹ 5,884.00
26	15.56	Dismantling old plaster or skirting raking out joints and cleaning the surface for plaster including disposal of rubbish to the dumping ground within 50 metres lead.	150.00	sqm	54.65	₹ 8,198.00
27	15.60	Disposal of building rubbish / malba / similar unserviceable, dismantled or waste materials by mechanical means, including loading, transporting, unloading to approved municipal dumping ground or as approved by Engineer-in-charge, beyond 50 m initial lead, for all leads including all lifts involved.	40.00	cum	263.95	₹ 10,558.00
28	21.1	Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/ appropriate Z sections and other sections of approved make conforming to IS: 733 and IS: 1285, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/ neoprene gasket etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing / panelling, C.P. brass / stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-				
28.1	21.1.1	For fixed portion				
28.1.1	21.1.1.2	Powder coated aluminium (minimum thickness of powder coating 50 micron)	628.00	kg	530.90	₹ 3,33,405.00
28.2	21.1.2	For shutters of doors, windows & ventilators including providing and fixing hinges/ pivots and making provision for fixing of fittings wherever required including the cost of EPDM rubber / neoprene gasket required (Fittings shall be paid for separately)				
28.2.1	21.1.2.2	Powder coated aluminium (minimum thickness of powder coating 50 micron)	919.00	kg	634.45	₹ 5,83,060.00
29	21.3	Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with EPDM rubber / neoprene gasket etc. complete as per the architectural drawings and the directions of engineer-in-charge . (Cost of aluminium snap beading shall be paid in basic item).				
29.1	21.3.1	With float glass panes of 4.0 mm thickness (weight not less than 10kg/sqm)	150.00	sqm	1176.80	₹ 1,76,520.00
30	21.8	Filling the gap in between aluminium frame & adjacent RCC/ Brick/ Stone work by providing weather silicon sealant over backer rod of approved quality as per architectural drawings and direction of Engineer-in-charge complete.				
30.1	21.8.1	Upto 5 mm depth and 5 mm width	250.00	metre	96.75	₹ 24,188.00
31	A/R based on DSR'2023	Deduct for not using aluminium hinges & screws on aluminium shutters of doors, windows & ventilators.	919.00	Kg	-20.40	-₹ 18,748.00
32	26.28	Chipping of unsound/weak concrete material from slabs, beams, columns etc. with manual Chisel and/ or by standard power driven percussion type or of approved make including tapering of all edges, making square shoulders of cavities including cleaning the exposed concrete surface and reinforcement with wire brushes etc. and disposal of debris for all lead and lifts all complete as per direction of Engineer-In-Charge				
32.1	26.28.2	50 mm average thickness	40.00	Sqm	256.35	₹ 10,254.00
32.2	26.28.3	25 mm average thickness	20.00	Sqm	126.75	₹ 2,535.00

33	26.29	Cleaning of reinforcement from rust from the reinforcing bars to give it a total rust free steel surface by using alkaline chemical rust remover of approved make with paint brush and removing loose particles after 24 hours of its application with wire brush and thoroughly washing with water and allowing it to dry, all complete as per direction of Engineer-In-Charge.				
33.1	26.29.1	Bars upto 12 mm diameter	50.00	Metre	8.25	₹ 413.00
33.2	26.29.2	Bars above 12 mm diameter	50.00	Metre	16.45	₹ 823.00
34	26.31	Providing, mixing and applying bonding coat of approved adhesive on chipped portion of RCC as per specifications and direction of Engineer-In-charge complete in all				
34.1	26.31.1	SBR Polymer (@10% of cement weight) modified cementitious bond coat @ 2.2 kg cement per sqm of surface area mixed with specified proportion of approved	60.00	Sqm	141.20	₹ 8,472.00
35	26.32	Providing, mixing and applying SBR polymer (of approved make) modified Cement mortar in proportion of 1:4 (1 cement: 4 graded coarse sand with polymer minimum 2% by wt. of cement used) as per specifications and directions of Engineer-in-charge. Note: Measurement and payment: The pre-measurement of thickness shall be done just after the surface preparation is completed and Payment under this item shall be made only after proper wet curing has been done and surface has been satisfactorily evaluated by sounding / tapping with a blunt metal instrument and/or the 75mm size cube crushing strength at the end of 28 days to be not less than 30 N/Sqmm2).				
35.1	26.32.2	25 mm average thickness in 2 layers.	40.00	Sqm	587.35	₹ 23,494.00
35.2	26.32.3	50 mm average thickness in 3 layers.	20.00	Sqm	1174.70	₹ 23,494.00
		Total of Schedule Items				₹ 34,94,407.00
		Modified Estimated Cost after using correction factor on Schedule Items i.e DSR 2023 items on account of GST @ 0.973 times	34,94,407.00			₹ 34,00,058.00
		Add Cost Index @ 23.00% on DSR'2023 items (As approved Cost index of Kolkata is 123 on DPAR-2023 (Base-100) as on 01/04/2025 vide letter No. 34(1)/SDG(Kol)/Cost Index/2026/915 dated 19.05.2026).	34,00,058.00			₹ 7,82,013.00
		Total of DSR Items				₹ 41,82,071.00
		Non-Schedule Items				
36	MR	Deduct for dismantling materials taking away from site and cleaning the site as per direction of Engineer-in-charge (dismantling materials shall be the property of the contractor for which credit shall given to the				
36.1		M.S. Grill.	30.00	Kg	-23.60	-₹ 708.00
36.2		Tee/Angle iron door/window frame.	1650.00	Kg	-25.80	-₹ 42,570.00
36.3		Aluminium T or L sections	40.00	Kg	-85.70	-₹ 3,428.00
36.4		Flush door shutters non decorative type- 35 mm thick	56.70	Sqm	-81.65	-₹ 4,630.00
		Total				₹ 41,30,735.00

Assistant Engineer (P)
O/o the EE Kolkata- III, CPWD,
CGO Complex, Salt Lake, Kol-64

Executive Engineer Kol- III
CPWD, CGO Complex,
Salt Lake, Kolkata-64