

SCHEDULE OF QUANTITY						
Name of work:	Name of Work :- "Providing and laying Hybrid Polyurethane and polyurea V=Chemical Water Proofing Membrane on Roof of 'A' Type (2 Block), 'S' Type(1-9), Biren Black (3 Units-17, 18, 19), Hostel No. 7,9,10,11, 16 Siater Hall, Main Building (CST Block & Mining Block) and External Face Lifting including Internal finish of Top Floor, Renovation of toilet at all floor of CST Block and Mining Block of Main Building with Renovation of Electrical Works of Top Floor CST Block & Mining Block" at IEST, Shibpur, Howrah, West Bengal. SH:- Miscellenious Civil Repair work at IEST, Shibpur Howrah W.B.					
SI No.	DSR 2023 No.	Description	Qty	Unit	Rate	Amount
1	5	Hire charge of Diesel Truck - 9 tonne (with POL)	10	Day	₹ 4,400.00	₹ 44,000.00
2	52	Front end loader 1 cum bucket capacity (incl. POL)	80	Hour	₹ 1,450.00	₹ 116,000.00
3	2.27	Supplying and filling in plinth with sand under floors, including watering, ramming, consolidating and dressing complete.	90	cum	₹ 2,123.75	₹ 191,138.00
4	4.1	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	4.1.2	1:1½:3 (1 Cement: 1½ coarse sand (zone-III) derived from natural sources : 3 graded stone aggregate 20 mm nominal size derived from natural sources)	7	cum	₹ 8,340.85	₹ 58,386.00
5	4.17	Making plinth protection 50mm thick of cement concrete 1:3:6 (1 cement : 3 coarse sand (zone-III) derived from natural sources : 6 graded stone aggregate 20 mm nominal size derived from natural sources) over 75mm thick bed of dry brick ballast 40 mm nominal size, well rammed and consolidated and grouted with fine sand, including necessary excavation, levelling & dressing & finishing the top smooth.	10	sqm	₹ 749.30	₹ 7,493.00

SI No.	DSR 2023 No.	Description	Qty	Unit	Rate	Amount
6	9.7.7	Float glass panes				
6.1	9.7.7.1	4 mm thick glass pane (weight not less than 10kg/sqm).	5	sqm	₹ 2,241.80	₹ 11,209.00
7	9.12	Extra for providing frosted glass panes 4 mm thick (weight not less than 10 kg per sqm) instead of ordinary float glass panes 4 mm thick (weight not less than 10 kg per sqm) in doors, windows and clerestory window shutters. (Area of opening for glass panes excluding portion inside rebate shall be measured).	5	sqm	₹ 176.40	₹ 882.00
8	10.3	Providing and fixing in position collapsible steel shutters with vertical channels 20x10x2 mm and braced with flat iron diagonals 20x5 mm size, with top and bottom rail of T-iron 40x40x6 mm, with 40 mm dia steel pulleys, complete with bolts, nuts, locking arrangement, stoppers, handles, including applying a priming coat of approved steel primer.	3.5	sqm	₹ 11,439.60	₹ 40,039.00
9	11.41	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.				
9.1	11.41.2	Size of Tile 600x600 mm	100	sqm	₹ 1,553.45	₹ 155,345.00

SI No.	DSR 2023 No.	Description	Qty	Unit	Rate	Amount
10	13.62	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade :				
10.1	13.62.1	Two or more coats on new work over an under coat of suitable shade with ordinary paint of approved brand and manufacture	50	sqm	₹ 226.25	₹ 11,313.00
11	13.83	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.				
11.1	13.83.2	Two coats	275	sqm	₹ 142.80	₹ 39,270.00
12	13.85.3	With water thinnable cement primer on wall surface having VOC content less than 50 grams/litre	275	sqm	₹ 73.95	₹ 20,336.00
13	13.88	Removing white or colour wash by scrapping and sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete	275	sqm	₹ 19.75	₹ 5,431.00
14	13.111	Finishing walls with Acrylic Smooth exterior paint of required shade :				
14.1	13.111.1	Old work (Two or more coat applied @ 1.67 ltr/ 10 sqm) on existing cement paint surface	200	sqm	₹ 120.75	₹ 24,150.00
15	14.1	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 direction of Engineer-in-Charge.				
15.1	14.1.1	With cement mortar 1:4 (1 cement : 4 fine sand)	25	sqm	₹ 547.40	₹ 13,685.00

SI No.	DSR 2023 No.	Description	Qty	Unit	Rate	Amount
16	14.75A	Cleaning of terrace/loft water storage tank (inside surface area) upto 2000 litre capacity at all heights with coconut brushes, duster etc., removal of silt, rubbish from the tank and cleaning the tank with fresh water disinfecting with bleaching powder @ 0.5gm per litre capacity of tank including marking the date of cleaning on the side of tank body with the help of stencil and paint and disposing of malba all complete as per direction of Engineer-in-Charge. (The old date already written on tank should be removed with paint remover or black paint and if date is not written with the stencil or old date is not removed deduction will be made @ Rs. 0.10 per litre) (if during cleaning any GI fittings or ball cock is damaged that is to be repaired by contractor at his own cost and nothing extra will be paid on this account)	84000	litre	₹ 0.50	₹ 42,000.00

SI No.	DSR 2023 No.	Description	Qty	Unit	Rate	Amount
17	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 / paneling, C.P. brass / stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing, paneling and dash fasteners to be paid for separately) :				
17.1	21.1.1	For fixed portion				
17.1.1	21.1.1.2	Powder coated aluminium (minimum thickness of powder coating 50 micron)	250	kg	₹ 530.90	₹ 132,725.00
18	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)				
18.1	21.1.2.2	Powder coated aluminium (minimum thickness of powder coating 50 micron)	175	kg	₹ 634.45	₹ 111,029.00
19	22.14	Grading roof for water proofing treatment with				
19.1	22.14.1	Cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size)	20	cum	₹ 8,042.30	₹ 160,846.00

SI No.	DSR 2023 No.	Description	Qty	Unit	Rate	Amount
20	26.35	Providing and injecting approved grout in proportion recommended by the manufacturer into cracks/honey-comb area of concrete/masonry by suitable gun/pump at required pressure including cutting of nipples after curing etc. complete as per directions of Engineer-in-Charge.				
		(The payment shall be made on the basis of actual weight of approved grout injected.)				
20.1	26.35.3	Epoxy injection grout in concrete/RCC work of approved make	750	kg	₹ 553.40	₹ 415,050.00
21	26.39	Providing and inserting 12mm dia galvanised steel injection nipple in honey comb area and along crack line including drilling of holes of required diameter (20mm to 30mm) up to depth from 30mm to 80mm at required spacing and making the hole & crack dust free by blowing compressed air, sealing the distance between injection nipple with adhesive chemical of approved make and allow it to cure complete as per direction of Engineer-In-Charge.	250	each	₹ 236.90	₹ 59,225.00
					TOTAL	₹ 1,659,552.00
		Multiplying Correction factor on DSR items	@	0.973		₹ 1,614,744.00
		Add for Cost Index on DSR Items	@	22%		₹ 355,244.00
					TOTAL	₹ 1,969,988.00

Sr. D/Man (C)
O/o EE(Kol)-II

Assistant Engineer (P)
O/o EE(Kol)-II

Executive Engineer
Kolkata-II