



Government of India
Ministry of Housing & Urban Affairs
Central Public Works Department
O/o the Chief Engineer (Kolkata)
234/4, AJC Bose Road, Nizam Palace, Kolkata - 20.



SCHEDULE OF QUANTITY (CIVIL COMPONENT)

Name of work :-	Upgradation and Renovation Works of External & Internal RCC Elements, External Plaster Repair, Roof Grading, Replacement of Damaged Rainwater & Sewer Lines for 05 Nos. Type-II Buildings (27, 28, 29, 33 & 35) along with Painting and Development of Children's Park and Boundary Wall in between Gate 3 & 4 including Internal & External Electrical Installation Works and Supply, Installation, Testing and Commissioning of Energy Efficient Light, BLDC Fan, Street Lights etc. at KB Block, Salt Lake, Kolkata for the Year 2026-2027.
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Sl. No.	DSR 2023 Item / Market Rate	Description of items	Quantity	Unit	Rate	Amount
SH - I : CARRIAGE						
1.1	1.1	By Mechanical Transport including loading, unloading and stacking				
1.1.1	1.1.18	Disposal of moorum / building rubbish / malba / similar unserviceable, dismantled or waste material by mechanical transport including loading, transporting, unloading to approved municipal dumping ground for lead upto 10 km for all lifts, complete as per directions of Engineer-in-charge. Note - item to be applicable in urban areas having directions for restricted hours for movement / plying of load carrying motorvehicle of 3.5 cum or more.	500.00	Cum	₹ 494.10	₹ 2,47,050.00
Sub Total of SH - I						₹ 2,47,050.00

Sl. No.	DSR 2023 Item / Market Rate	Description of items	Quantity	Unit	Rate	Amount
SH - II : EARTH WORK						
2.1	2.8	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan) including dressing of sides and ramming of bottoms, lift up to 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m.				
2.1.1	2.8.1	All kinds of soil.	212.00	Cum	₹ 260.30	₹ 55,184.00
2.2	2.10	Excavating trenches of required width for pipes, cables, etc including excavation for sockets, and dressing of sides, ramming of bottoms, depth up to 1.5 m, including getting out the excavated soil, and then returning the soil as required, in layers not exceeding 20 cm in depth, including consolidating each deposited layer by ramming, watering, etc. and disposing of surplus excavated soil as directed, within a lead of 50 m :				
2.2.1	2.10.1	All kinds of soil				
2.2.1.1	2.10.1.2	Pipes, cables etc. exceeding 80 mm dia. but not exceeding 300 mm dia	296.00	Metre	₹ 352.15	₹ 1,04,236.00
2.3	2.27	Supplying and filling in plinth with sand under floors, including watering, ramming, consolidating and dressing complete.	62.00	Cum	₹ 2,123.75	₹ 1,31,673.00
2.4	2.28	Surface dressing of the ground including removing vegetation and inequalities not exceeding 15 cm deep and disposal of rubbish, lead up to 50 m and lift upto 1.5 m.				
2.4.1	2.28.1	All kinds of soil.	60.00	Sqm	₹ 34.15	₹ 2,049.00
Sub Total of SH - II						₹ 2,93,142.00

Sl. No.	DSR 2023 Item / Market Rate	Description of items	Quantity	Unit	Rate	Amount
SH - III : CEMENT CONCRETE						
3.1	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 :				
3.1.1	4.1.3	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)	5.00	Cum	₹ 7,878.50	₹ 39,393.00
3.1.2	4.1.8	1:4:8 (1 Cement : 4 coarse sand (zone-III) derived from natural sources : 8 graded stone aggregate 40 mm nominal size derived from natural sources).	87.00	Cum	₹ 6,812.00	₹ 5,92,644.00
3.2	4.2	Providing and laying cement concrete in retaining walls, return walls, walls (any thickness) including attached pilasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window sills, fillets, sunken floor, etc., up to floor five level, excluding the cost of centering, shuttering and finishing :				
3.2.1	4.2.8	1:5:10 (1 cement : 5 coarse sand (zone-III) derived from natural sources : 10 graded stone aggregate 40 mm nominal size derived from natural sources).	68.00	Cum	₹ 8,519.20	₹ 5,79,306.00
3.3	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 leveling & dressing & finishing the top smooth.	274.00	Sqm	₹ 749.30	₹ 2,05,308.00
Sub Total of SH - III						₹ 14,16,651.00

Sl. No.	DSR 2023 Item / Market Rate	Description of items	Quantity	Unit	Rate	Amount
SH - IV : REINFORCED CEMENT CONCRETE						
4.1	5.1	Providing and laying in position specified grade of reinforced cement concrete, excluding the cost of centering, shuttering, finishing and reinforcement - All work up to plinth level :				
4.1.1	5.1.2	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)	34.00	Cum	₹ 9,045.75	₹ 3,07,556.00
4.1.2	5.1.3	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)	61.00	Cum	₹ 8,583.40	₹ 5,23,587.00
4.2	5.2	Reinforced cement concrete work in walls (any thickness), including attached pilasters, buttresses, plinth and string courses, fillets, columns, pillars, piers, abutments, posts and struts etc. above plinth level up to floor five level, excluding cost of centering, shuttering, finishing and reinforcement :				
4.2.1	5.2.2	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)	11.98	Cum	₹ 10,852.95	₹ 1,30,018.00
4.3	5.3	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) derived from natural sources: 3 graded stone aggregate 20 mm nominal size derived from natural sources).	28.00	Cum	₹ 11,505.50	₹ 3,22,154.00
4.4	5.9	Centering and shuttering including strutting, propping etc. and removal of form for				

Sl. No.	DSR 2023 Item / Market Rate	Description of items	Quantity	Unit	Rate	Amount
4.4.1	5.9.1	Foundations, footings, bases of columns, etc. for mass concrete	285.00	Sqm	₹ 392.15	₹ 1,11,763.00
4.4.2	5.9.3	Suspended floors, roofs, landings, balconies and access platform	247.00	Sqm	₹ 927.25	₹ 2,29,031.00
4.4.3	5.9.5	Lintels, beams, plinth beams, girders, bressumers and cantilevers	55.00	Sqm	₹ 736.40	₹ 40,502.00
4.4.4	5.9.6	Columns, Pillars, Piers, Abutments, Posts and Struts	121.00	Sqm	₹ 961.30	₹ 1,16,317.00
4.4.5	5.9.19	Weather shade, Chajjas, corbels etc., including edges	281.00	Sqm	₹ 951.10	₹ 2,67,259.00
4.5	5.22	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level.				
4.5.1	5.22.6	Thermo-Mechanically Treated bars of grade Fe-500D or more	6,650.00	Kg	₹ 107.85	₹ 7,17,203.00
4.6	5.22A	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete above plinth level.				
4.6.1	5.22A.6	Thermo-Mechanically Treated bars of grade Fe-500D or more	2,799.00	Kg	₹ 107.85	₹ 3,01,872.00
4.7	5.30	Add for plaster drip course/ groove in plastered surface or moulding to R.C.C. projections	1,422.00	Metre	₹ 78.40	₹ 1,11,485.00
Sub Total of SH - IV						₹ 31,78,747.00
SH - V : MASONRY WORK						
5.1	6.4	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth in:				
5.1.1	6.1.2	Cement mortar 1:6 (1 cement : 6 coarse sand)	43.00	Cum	₹ 7,132.25	₹ 3,06,687.00

Sl. No.	DSR 2023 Item / Market Rate	Description of items	Quantity	Unit	Rate	Amount
5.2	6.8	Brick work 7 cm thick with common burnt clay F.P.S. (non modular) brick of class designation 7.5 in cement mortar 1:3 (1 cement : 3 coarse sand) in superstructure above plinth level and upto floor five level.	46.00	Sqm	₹ 865.65	₹ 39,820.00
5.3	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.				
5.3.1	6.13.2	Cement mortar 1:4 (1 cement : 4 coarse sand)	153.00	Sqm	₹ 1,123.80	₹ 1,71,941.00
5.4	6.44	Brick edging 7cm wide 11.4 cm deep to plinth protection with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 including grouting with cement mortar 1:4 (1 cement : 4 fine sand).	248.00	Metre	₹ 60.85	₹ 15,091.00
Sub Total of SH - V						₹ 5,33,539.00
SH - VI : CLADDING WORK						
6.1	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 to edges to give high gloss finish etc. complete at all levels.				
6.1.1	8.2.2	Granite stone slab colour black, Cherry / Ruby red				
6.1.1.1	8.2.2.1	Area of slab upto 0.50 sqm	35.00	Sqm	₹ 5,413.50	₹ 1,89,473.00
6.1.2	8.2.2.2	Area of slab over 0.50 sqm	151.00	Sqm	₹ 5,136.30	₹ 7,75,581.00

Sl. No.	DSR 2023 Item / Market Rate	Description of items	Quantity	Unit	Rate	Amount
6.2	8.4	Extra for fixing marble /granite stone, over and above corresponding basic item, in facia and drops of width upto 150 mm with epoxy resin based adhesive, including cleaning etc. complete.	184.00	Metre	₹ 568.55	₹ 1,04,613.00
6.3	8.31	Providing and fixing 1st quality ceramic glazed wall tiles conforming to IS: 15622 (thickness to be specified by the manufacturer), of approved make, in all colours, shades except burgundy, bottle green, black of any size as approved by Engineer-in-Charge, in skirting, risers of steps and dados, over 12 mm thick bed of cement mortar 1:3 (1 cement : 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm, including pointing in white cement mixed with pigment of matching shade complete.	1,651.00	Sqm	₹ 1,267.95	₹ 20,93,385.00
Sub Total of SH - VI						₹ 31,63,052.00
SH - VII : WOOD AND P.V.C. WORK						
7.1	9.1	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).				
7.1.1	9.1.2	Sal wood	4.28	Cum	₹ 1,16,520.30	₹ 4,98,357.00
7.2	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:				

Sl. No.	DSR 2023 Item / Market Rate	Description of items	Quantity	Unit	Rate	Amount
7.2.1	9.21.1	35 mm thick including ISI marked Stainless Steel butt hinges with necessary screws	198.00	Sqm	₹ 2,392.65	₹ 4,73,745.00
7.2.2	9.21.3	25 mm thick (for cupboard) including ISI marked nickel plated bright finished M.S. piano hinges with necessary screws	105.00	Sqm	₹ 2,093.70	₹ 2,19,839.00
7.3	9.47	Providing and fixing nickel plated M.S. pipe curtain rods with nickel plated brackets :				
7.3.1	9.47.1	20 mm dia (heavy type)	840.00	Metre	₹ 175.00	₹ 1,47,000.00
7.4	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.				
7.4.1	9.48.1	Fixed to steel windows by welding	2,893.00	Kg	₹ 219.10	₹ 6,33,856.00
7.5	9.66	Providing and fixing ISI marked oxidised M.S. handles conforming to IS:4992 with necessary screws etc. complete (Copper oxidised as per IS 1378)				
7.5.1	9.66.1	125 mm	400.00	Each	₹ 39.95	₹ 15,980.00
7.6	9.62	Providing and fixing ISI marked oxidised M.S. sliding door bolts with nuts and screws etc. complete (Copper oxidised as per IS 1378)				
7.6.1	9.62.2	250 x 16 mm	130.00	Each	₹ 193.70	₹ 25,181.00
7.7	9.63	Providing and fixing ISI marked oxidised M.S. tower bolt black finish, (Barrel type) with necessary screws etc. complete (Copper oxidised as per IS 1378)				
7.7.1	9.63.1	250 x 10 mm	150.00	Each	₹ 83.90	₹ 12,585.00
7.7.2	9.63.3	150 x 10 mm	150.00	Each	₹ 59.45	₹ 8,918.00

Sl. No.	DSR 2023 Item / Market Rate	Description of items	Quantity	Unit	Rate	Amount
7.8	9.67	Providing and fixing oxidised M.S. hasp and staple (safety type) conforming to IS : 363 with necessary screws etc. complete (Copper oxidised as per IS 1378)				
7.8.1	9.67.1	150 mm	50.00	Each	₹ 33.10	₹ 1,655.00
7.9	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 :				
7.9.1	9.97.4	150x10 mm	300.00	Each	₹ 82.55	₹ 24,765.00
7.10	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 :				
7.10.1	9.100.1	125 mm	300.00	Each	₹ 66.25	₹ 19,875.00
7.11	9.101	Providing and fixing aluminium hanging floor door stopper, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour and shade, with necessary screws etc. complete.				
7.11.1	9.101.2	Twin rubber stopper	130.00	Each	₹ 72.35	₹ 9,406.00

Sl. No.	DSR 2023 Item / Market Rate	Description of items	Quantity	Unit	Rate	Amount
7.12	9.119	Providing and fixing factory made P.V.C. door frame of size 50 x 47 mm with a wall thickness of 5 mm, made out of extruded 5mm rigid PVC foam sheet, mitred at corners and joined with 2 Nos of 150 mm long brackets of 15 x 15 mm M.S. square tube, the vertical door frame profiles to be reinforced with 19x19 mm M.S. square tube of 19 gauge, EPDM rubber gasket weather seal to be provided through out the frame. The door frame to be fixed to the wall using M.S. screws of 65/100 mm size, complete as per manufacturer's specification and direction of Engineer-in-Charge.	752.00	Metre	₹ 492.70	₹ 3,70,510.00

Sl. No.	DSR 2023 Item / Market Rate	Description of items	Quantity	Unit	Rate	Amount
7.13	9.120	Providing and fixing factory made panel PVC door shutter consisting of frame made out of M.S. tubes of 19 gauge thickness and size of 19 mm x 19 mm for styles and 15 x 15 mm for top & bottom rails. M.S. frame shall have a coat of steel primers of approved make and manufacture. M.S. frame covered with 5 mm thick heat moulded PVC 'C' channel of size 30 mm thickness, 70 mm width out of which 50 mm shall be flat and 20 mm shall be tapered in 45 degree angle on both side forming styles and 5 mm thick, 95 mm wide PVC sheet out of which 75 mm shall be flat and 20 mm shall be tapered in 45 degree on the inner side to form top and bottom rail and 115 mm wide PVC sheet out of which 75 mm shall be flat and 20 mm shall be tapered on both sides to form lock rail. Top, bottom and lock rails shall be provided both side of the panel. 10 mm (5 mm x 2) thick, 20 mm wide cross PVC sheet be provided as gap insert for top rail & bottom rail, paneling of 5 mm thick both side PVC sheet to be fitted in the M.S. frame welded / sealed to the styles & rails with 7 mm (5 mm+2 mm) thick x 15 mm wide PVC sheet beading on inner side, and joined together with solvent cement adhesive. An additional 5 mm thick PVC strip of 20 mm width is to be stuck on the interior side of the 'C' Channel using PVC solvent adhesive etc. complete as per direction of Engineer-in-charge, manufacturer's specification & drawing.				
7.13.1	9.120.1	30 mm thick plain PVC door shutters.	193.00	Sqm	₹ 3,182.95	₹ 6,14,309.00
7.14	9.135	Providing and fixing fly proof stainless steel grade 304 wire gauge, to windows and clerestory windows using wire gauge with average width of aperture 1.4mm in both directions with wire of dia. 0.50 mm all complete.				
7.14.1	9.135.2	With 12 mm mild steel U beading.	130.00	Sqm	₹ 1,228.00	₹ 1,59,640.00
Sub Total of SH - VII						₹ 32,35,621.00

Sl. No.	DSR 2023 Item / Market Rate	Description of items	Quantity	Unit	Rate	Amount
SH - VIII : STEEL WORK						
8.1	10.22	Welding by gas or electric plant including transportation of plant at site etc. complete.	150.00	Cm	₹ 3.70	₹ 555.00
8.2	10.25	Steel work welded in built up sections/ framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required.				
8.2.1	10.25.2	In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works.	1,669.00	Kg	₹ 172.60	₹ 2,88,069.00
8.3	10.26	Providing and fixing hand rail of approved size by welding etc. to steel ladder railing, balcony railing, staircase railing and similar works, including applying priming coat of approved steel primer.				
8.3.1	10.26.3	G.I. pipes	336.00	Kg	₹ 203.05	₹ 68,225.00
8.4	10.27	Providing and fixing carbon steel galvanised (minimum coating 5 micron) dash fastener of 10 mm dia double threaded 6.8 grade (yield strength 480 N/mm ²), counter sunk head, comprising of 10 mm dia polyamide PA 6 grade sleeve, including drilling of hole in frame , concrete/ masonry, etc. as per direction of Engineer-in-charge.				
8.4.1	10.27.3	10 x 120 mm	780.00	Each	₹ 170.95	₹ 1,33,341.00
Sub Total of SH - VIII						₹ 4,90,190.00

Sl. No.	DSR 2023 Item / Market Rate	Description of items	Quantity	Unit	Rate	Amount
SH - IX : FLOORING						
9.1	11.20	Chequerred precast cement concrete tiles 22 mm thick in footpath & courtyard, jointed with neat cement slurry mixed with pigment to match the shade of tiles, including rubbing and cleaning etc. complete, on 20mm thick bed of cement mortar 1:4 (1 cement: 4 coarse sand).				
9.1.1	11.20.1	Light shade pigment using white cement.	94.00	Sqm	₹ 1,402.00	₹ 1,31,788.00
9.2	11.39	Providing and laying rectified Glazed Ceramic floor tiles of size 300 x 300mm or more (thickness to be specified by the manufacturer), of 1st quality conforming to IS : 15622, of approved make, in colours White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick cement mortar 1:4 (1 Cement: 4 Coarse sand), jointing with grey cement slurry @ 3.3kg/sqm including grouting the joints with white cement and matching pigments etc., complete.	202.00	Sqm	₹ 1,330.00	₹ 2,68,660.00

Sl. No.	DSR 2023 Item / Market Rate	Description of items	Quantity	Unit	Rate	Amount
9.3	11.41A	Providing and laying Vitrified tiles in floor in different 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.				
9.3.1	11.41A.1	Double charge vitrified tile polished finish of size				
9.3.1.1	11.41A.1.1	Size of Tile 600 x 600 mm	2,598.00	Sqm	₹ 1,453.65	₹ 37,76,583.00
9.4	11.42	Deduct for not using 20 mm thick cement mortar 1:4 (1 cement : 4 coarse sand) bedding in laying of floor tiles and jointing with grey cement slurry @ 3.3 kg/ sqm.	1,950.00	Sqm	-₹ 850.10	₹ -16,57,695.00
9.5	11.43	Deduct for not using 20 mm thick cement mortar 1:4 (1 cement : 4 coarse sand) bedding in laying of floor tiles and jointing with grey cement slurry @ 3.3 kg/ sqm.	1,950.00	Sqm	₹ 753.25	₹ 14,68,838.00

Sl. No.	DSR 2023 Item / Market Rate	Description of items	Quantity	Unit	Rate	Amount
9.4	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 (1cement: 3 coarse sand), jointing with grey cement slurry @ 3.3kg/sqm including grouting the joint with white cement & matching pigments etc. complete.				
9.4.1	11.46.2	Size of Tile 600 x 600 mm	255.00	Sqm	₹ 1,623.05	₹ 4,13,878.00
Sub Total of SH - IX						₹ 44,02,052.00
SH - X : ROOFING						
10.1	12.41	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.				
10.1.1	12.41.1	75 mm diameter	186.00	Metre	₹ 248.80	₹ 46,277.00
10.1.2	12.41.2	110 mm diameter	231.60	Metre	₹ 377.40	₹ 87,406.00
10.2	12.42	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.				
10.2.1	12.42.3	Single tee with door				
10.2.1.1	12.42.3.1	75 x 75 x 75 mm	80.00	Each	₹ 164.20	₹ 13,136.00
10.3	12.42.5	Bend 87.5°				

Sl. No.	DSR 2023 Item / Market Rate	Description of items	Quantity	Unit	Rate	Amount
10.3.1	12.42.5.1	75 mm bend	20.00	Each	₹ 105.90	₹ 2,118.00
10.3.2	12.42.5.2	110 mm bend	20.00	Each	₹ 150.35	₹ 3,007.00
10.4	12.43	Providing and fixing unplasticised - PVC pipe clips of approved design to unplasticised - PVC rain water pipes by means of 50 x 50 x 50 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.				
10.4.1	12.43.1	75 mm	120.00	Each	₹ 369.85	₹ 44,382.00
10.4.2	12.43.2	110 mm	160.00	Each	₹ 371.30	₹ 59,408.00
Sub Total of SH - X						₹ 2,55,734.00
SH - XI : FINISHING WORK						
11.1	13.1	12 mm cement plaster of mix :				
11.1.1	13.1.2	1:6 (1 cement : 6 fine sand)	3,100.00	Sqm	₹ 333.35	₹ 10,33,385.00
11.2	13.2	15 mm cement plaster on the rough side of single or half brick wall of mix :				
11.2.1	13.2.2	1:6 (1 cement : 6 fine sand)	915.00	Sqm	₹ 383.00	₹ 3,50,445.00
11.3	13.16	6 mm cement plaster of mix				
11.3.1	13.16.1	1:3 (1 cement : 3 fine sand)	540.00	Sqm	₹ 300.45	₹ 1,62,243.00
11.4	13.18	Neat cement punning	662.00	Sqm	₹ 79.95	₹ 52,927.00
11.5	13.41	Distempering with 1st quality acrylic distemper (ready mixed) having VOC content less than 50 gms / litre, of approved manufacturer, of required shade and colour all complete:				

Sl. No.	DSR 2023 Item / Market Rate	Description of items	Quantity	Unit	Rate	Amount
11.5.1	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	15,192.00	Sqm	₹ 185.65	₹ 28,20,395.00
11.6	13.47	Finishing walls with Premium Acrylic Smooth exterior paint with Silicone additives of required shade :				
11.6.1	13.47.1	New work (Two or more coats applied @ 1.43 ltr/10 sqm over and including priming coat of exterior primer applied @ 0.90 litre/10 sqm)	9,309.00	Sqm	₹ 171.10	₹ 15,92,770.00
11.7	13.61	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade				
11.7.1	13.61.1	Two or more coats on new work	243.00	Sqm	₹ 155.90	₹ 37,884.00
11.8	13.62	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade :				
11.8.1	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.	754.00	Sqm	₹ 226.25	₹ 1,70,593.00
11.9	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.	5,000.00	Sqm	₹ 156.05	₹ 7,80,250.00
11.10	13.91	Removing dry or oil bound distemper, water proofing cement paint and the like by scrapping, sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete.	19,700.00	Sqm	₹ 25.15	₹ 4,95,455.00

Sl. No.	DSR 2023 Item / Market Rate	Description of items	Quantity	Unit	Rate	Amount
11.11	13.99	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade :				
11.11.1	13.99.1	One or more coats on old work.	1,430.00	Sqm	₹ 102.80	₹ 1,47,004.00
Sub Total of SH - XI						₹ 76,43,351.00
SH - XII : REPAIR TO BUILDING						
12.1	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.				
12.1.1	14.1.1	With cement mortar 1:4 (1 cement : 4 fine sand).	170.00	Sqm	₹ 547.40	₹ 93,058.00

Sl. No.	DSR 2023 Item / Market Rate	Description of items	Quantity	Unit	Rate	Amount
12.2	14.75A	Cleaning of terrace 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)	20,000.00	Litter	₹ 0.50	₹ 10,000.00
12.3	14.80	Providing & fixing White vitreous china water closet squatting pan (Indian type) along with "S" or "P" trap including dismantling of old WC seat and "S" or "P" trap at site complete with all operations including all necessary materials, labour and disposal of dismantled material i/c malba, all complete as per the direction of Engineer-in-charge.				
12.3.1	14.80.2	Orissa pattern W.C Pan of size 580 x 440 mm	75.00	Each	₹ 4,478.75	₹ 3,35,906.00
12.4	14.82	Dismantling W.C. Pan of all sizes including disposal of dismantled materials i/c malba all complete as per directions of Engineer-in- Charge.	80.00	Each	₹ 134.10	₹ 10,728.00
Sub Total of SH - XII						₹ 4,49,692.00

Sl. No.	DSR 2023 Item / Market Rate	Description of items	Quantity	Unit	Rate	Amount
SH - XIII : DISMANTLING AND DEMOLISHING						
13.1	15.1	Demolishing lime concrete manually/ by mechanical means and disposal of material within 50 metres lead as per direction of Engineer in-charge	276.00	Cum	₹ 851.50	₹ 2,35,014.00
13.2	15.2	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer - in - charge				
13.2.1	15.2.2	Nominal concrete 1:4:8 or leaner mix (i/c equivalent design mix)	14.00	Cum	₹ 1,503.60	₹ 21,050.00
13.2.2	15.2.1	Nominal concrete 1:3:6 or richer mix (i/c equivalent design mix)	105.00	Cum	₹ 2,434.25	₹ 2,55,596.00
13.3	15.3	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.	17.00	Cum	₹ 3,551.25	₹ 60,371.00
13.4	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..				
13.4.1	15.7.4	In cement mortar	28.00	Cum	₹ 2,060.20	₹ 57,686.00
13.5	15.12	Dismantling doors, windows and clerestory windows (steel or wood) shutter including chowkhats, architrave, holdfasts etc. complete and stacking within 50 metres lead :				
13.5.1	15.12.1	Of area 3 sq. metres and below	770.00	Each	₹ 367.20	₹ 2,82,744.00

Sl. No.	DSR 2023 Item / Market Rate	Description of items	Quantity	Unit	Rate	Amount
13.6	15.13	Taking out doors, windows and clerestory window shutters (steel or wood) including stacking within 50 metres lead:				
13.6.1	15.13.1	Of area 3 sq. metres and below	180.00	Each	₹ 143.50	₹ 25,830.00
13.7	15.17	Dismantling steel work manually/ by mechanical means in built up sections without dismembering and stacking within 50 metres lead as per direction of Engineer-in-charge				
13.7.1	15.17.2	Channels, angles, tees and flats	750.00	Kg	₹ 2.30	₹ 1,725.00
13.8	15.42	Dismantling C.I. or asbestos rain water pipe with fittings and clamps including stacking the material within 50 metres lead :				
13.8.1	15.42.1	75 to 80 mm dia pipe.	186.00	Metre	₹ 75.70	₹ 14,080.00
13.8.2	15.42.2	100 mm dia pipe	788.00	Metre	₹ 78.00	₹ 61,464.00
13.9	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	5,344.00	Sqm	₹ 54.65	₹ 2,92,050.00
Sub Total of SH - XIII						₹ 13,07,610.00

Sl. No.	DSR 2023 Item / Market Rate	Description of items	Quantity	Unit	Rate	Amount
SH - XIV : ROAD WORK						
14.1	16.18	Fencing with angle iron post placed at required distance embedded in cement concrete blocks, every 15th post, last but one end post and corner post shall be strutted on both sides and end post on one side only and provided with horizontal lines and two diagonals interwoven with horizontal wires, of barbed wire weighing 9.38 kg per 100 m (minimum), between the two posts fitted and fixed with G.I. staples, turn buckles etc. complete. (Cost of posts, struts, earth work and concrete work to be paid for separately). Payment to be made per metre cost of total length of barbed wire used.				
14.1.1	16.18.1	With G.I. barbed wire	3,930.00	Metre	₹ 22.10	₹ 86,853.00
14.2	16.19	Supplying at site Angle iron post & strut of required size including bottom to be split and bent at right angle in opposite direction for 10 cm length and drilling holes upto 10 mm dia. etc. complete.	147.00	Kg	₹ 125.75	₹ 18,485.00
14.3	16.67	Providing and fixing at or near ground level factory made RCC pavement slab of M-30 grade of size 450 x 450 x 50 mm, including reinforcement with 6 mm dia M.S. bars 4 nos on each side, including setting in position in footpath to the required level and line over a bed of 20 mm average thick cement mortar 1:5 (1 cement : 5 coarse sand), having joint thickness not more than 5mm except on curve, including filling of joints with same cement mortar and making grooves etc. complete as per direction of Engineer-in-charge.	87.00	Sqm	₹ 1,600.55	₹ 1,39,248.00

Sl. No.	DSR 2023 Item / Market Rate	Description of items	Quantity	Unit	Rate	Amount
14.4	16.69	Providing and laying at or near ground level factory made kerb stone of M-25 grade cement concrete in position to the required line, level and curvature, jointed with cement mortar 1:3 (1 cement: 3 coarse sand), including making joints with or without grooves (thickness of joints except at sharp curve shall not to more than 5mm), including making drainage opening wherever required complete etc. as per direction of Engineer-in-charge (length of finished kerb edging shall be measured for payment). (Precast C.C. kerb stone shall be approved by Engineer-in-charge).	9.65	Cum	₹ 10,117.60	₹ 97,635.00
14.5	16.82	Taking out existing kerb stones of all types from footpath / central verge, including removal of mortar etc., disposal of unserviceable material to the dumping ground, for which payment shall be made separately and stacking of serviceable material within 50 metre lead as per direction of Engineer-in-Charge.	193.00	Metre	₹ 39.35	₹ 7,595.00
Sub Total of SH - XIV						₹ 3,49,816.00
SH - XV : SANITARY INSTALLATION						
15.1	17.2	Providing and fixing white vitreous china pedestal type water closet (European type W.C. pan) with seat and lid, 10 litre low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever), conforming to IS : 7231, with all fittings and fixtures complete, including cutting and making good the walls and floors wherever required :				
15.1.1	17.2.1	W.C. pan with ISI marked white solid plastic seat and lid	5.00	Each	₹ 6,515.55	₹ 32,578.00

Sl. No.	DSR 2023 Item / Market Rate	Description of items	Quantity	Unit	Rate	Amount
15.2	17.7B	Providing and fixing wash basin with C.I. brackets, 15 mm PTMT pillar cock, 32 mm PTMT waste coupling of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever required. White Vitreous China Flat back wash basin size 550x400 mm with single 15 mm PTMT pillar cock.	30.00	Each	₹ 1,550.60	₹ 46,518.00
15.3	17.10	Providing and fixing Stainless Steel A ISI 304 (18/8) kitchen sink as per IS:13983 with C.I. brackets and stainless steel plug 40 mm, including painting of fittings and brackets, cutting and making good the walls wherever required :				
15.3.1	17.10.2	Kitchen sink without drain board				
15.3.1	17.10.2.1	610x510 mm bowl depth 200 mm.	30.00	Each	₹ 4,940.80	₹ 1,48,224.00
15.4	17.31	Providing and fixing 600 x 450 mm beveled edge mirror of superior glass (of approved quality) complete with 6 mm thick hard board ground fixed to wooden cleats with C.P. brass screws and washers complete.	80.00	Each	₹ 1,607.95	₹ 1,28,636.00
15.5	17.35	Providing and fixing soil, waste and vent pipes :				
15.5.1	17.35.1	100 mm dia				
15.5.1.1	17.35.1.2	Centrifugally cast (spun) iron socket & spigot (S&S) pipe as per IS: 3989	556.00	Metre	₹ 1,180.75	₹ 6,56,497.00
15.6	17.36	Providing and filling the joints with spun yarn, cement slurry and cement mortar 1:2 (1 cement : 2 fine sand) in S.C.I./ C.I. Pipes				
15.6.1	17.36.2	100 mm dia pipe	920.00	Each	₹ 198.15	₹ 1,82,298.00

Sl. No.	DSR 2023 Item / Market Rate	Description of items	Quantity	Unit	Rate	Amount
15.7	17.38	Providing and fixing bend of required degree with access door, insertion rubber washer 3 mm thick, bolts and nuts complete.				
15.7.1	17.38.1	100 mm dia				
15.7.1.1	17.38.1.2	Sand cast iron S&S as per IS - 3989	180.00	Each	₹ 705.20	₹ 1,26,936.00
15.8	17.39	Providing and fixing plain bend of required degree.				
15.8.1	17.39.1	100 mm dia				
15.8.1.1	17.39.1.2	Sand cast iron S&S as per IS : 3989	80.00	Each	₹ 570.05	₹ 45,604.00
15.9	17.41	Providing and fixing double equal junction of required degree with access door, insertion rubber washer 3 mm thick, bolts and nuts complete :				
15.9.1	17.41.1	100 x 100 x 100 x 100 mm				
15.9.1.1	17.41.1.2	Sand cast iron S&S as per IS - 3989	60.00	Each	₹ 1,103.10	₹ 66,186.00
15.10	17.43	Providing and fixing single equal plain junction of required degree with access door, insertion rubber washer 3 mm thick, bolts and nuts complete.				
15.10.1	17.43.1	100 x 100 x 100 x 100 mm				
15.10.1.1	17.43.1.2	Sand cast iron S&S as per IS - 3989	60.00	Each	₹ 925.70	₹ 55,542.00
15.11	17.44	Providing and fixing single equal plain junction of required degree :				
15.11.1	17.44.1	100 x 100 x 100 x 100 mm				
15.11.1.1	17.44.1.2	Sand cast iron S&S as per IS : 3989	5.00	Each	₹ 811.90	₹ 4,060.00
15.12	17.56	Providing and fixing terminal guard				
15.12.1	17.56.1	100 mm				
15.12.1.1	17.56.1.2	Sand cast iron S&S as per IS - 3989	40.00	Each	₹ 506.00	₹ 20,240.00

Sl. No.	DSR 2023 Item / Market Rate	Description of items	Quantity	Unit	Rate	Amount
15.13	17.60	Providing and fixing trap of self cleansing design with screwed down or hinged grating with or without vent arm complete, including cost of cutting and making good the walls and floors				
15.13.1	17.60.1	100 mm inlet and 100 mm outlet				
15.13.1.1	17.60.1.1	Sand cast iron S&S as per IS: 3989	80.00	Each	₹ 1,996.50	₹ 1,59,720.00
15.14	17.65	Painting sand cast iron/ centrifugally cast (spun) iron soil, waste vent pipes and fittings with two coats of synthetic enamel paint of any colour such as chocolate grey, or buff etc. over a coat of primer (of approved quality) for new work				
15.14.1	17.65.1	100 mm diameter pipe	578.00	Metre	₹ 82.80	₹ 47,858.00
15.15	17.73	Providing and fixing PTMT towel rail complete with brackets fixed to wooden cleats with CP brass screws with concealed fittings arrangement of approved quality and colour.				
15.15.1	17.73.2	600 mm long towel rail with total length of 645 mm, width 78 mm and effective height of 88 mm, weighing not less than 190 gms.	160.00	Each	₹ 708.95	₹ 1,13,432.00
15.16	17.74	Providing and fixing PTMT shelf 440 mm long, 124 mm width and 36 mm height of approved quality and colour, weighing not less than 300 gms.	80.00	Each	₹ 713.20	₹ 57,056.00

Sl. No.	DSR 2023 Item / Market Rate	Description of items	Quantity	Unit	Rate	Amount
15.17	17.77	Providing and fixing M.S. holder bat clamp of approved design to sand cast iron/ cast iron (spun) pipes comprising of M.S. flat brackets made of 50x5 mm flat of specified shape, projecting 75 mm outside the wall surface and fixed on wall with 4nos, 6mm dia expansion hold fasteners, including drilling necessary holes in brick wall/ CC / RCC surface and the cost of bolts etc. The pipes shall be fixed to the already fixed brackets with the help of 30 mm x 1.6 mm galvanised M.S. flats of specified shape and of total length 420 mm and shall be fixed with M.S. nuts, bolts, & washers of size 25 x 6 mm, one bolts on each side of the pipe.				
15.17.1	17.77.1	Total bracket length 580 mm of approved shape and design (for single 100 mm dia pipe).	320.00	Each	₹ 304.05	₹ 97,296.00
Sub Total of SH - XV						₹ 19,88,681.00
SH - XVI : WATER SUPPLY						
16.1	18.7	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				
16.1.1	18.7.2	20 mm nominal outer dia Pipes	960.00	Metre	₹ 335.00	₹ 3,21,600.00
16.1.2	18.7.3	25 mm nominal outer dia Pipes	560.00	Metre	₹ 401.55	₹ 2,24,868.00
16.1.3	18.7.5	40 mm nominal outer dia Pipes	304.00	Metre	₹ 702.95	₹ 2,13,697.00

Sl. No.	DSR 2023 Item / Market Rate	Description of items	Quantity	Unit	Rate	Amount
16.2	18.48	Providing and placing on terrace (at all floor levels) polyethylene water storage tank, IS : 12701 marked, with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank.	20,000.00	Litter	₹ 11.00	₹ 2,20,000.00
16.3	18.54	Providing and fixing PTMT bib cock of approved quality and colour.				
16.3.1	18.54.1	15mm nominal bore, 86 mm long. Weighing not less than 88 gms.	240.00	Each	₹ 125.60	₹ 30,144.00
16.4	18.55	Providing and fixing PTMT stop cock of approved quality and colour.				
16.4.1	18.55.1	15 mm nominal bore, 86 mm long. Weighing not less than 88 gms.	80.00	Each	₹ 118.50	₹ 9,480.00
16.5	18.58	Providing and fixing PTMT grating of approved quality and colour.				
16.5.1	18.58.1	Circular type				
16.5.1.1	18.58.1.2	125 mm nominal dia with 25 mm waste hole	160.00	Each	₹ 51.85	₹ 8,296.00
16.6	18.62	Providing and fixing PTMT Ball cock of approved quality, colour and make complete with Epoxy coated aluminium rod with L.P./ H.P.H.D. plastic ball				
16.6.1	18.62.3	25 mm nominal bore, 152 mm long, weighing not less than 440 gms	20.00	Each	₹ 523.80	₹ 10,476.00
16.7	18.63	Providing and fixing PTMT angle stop cock 15 mm nominal bore. Weighing not less than 85 gms.	320.00	Each	₹ 156.90	₹ 50,208.00
16.8	18.64	Providing and fixing PTMT swivelling shower, 15mm nominal bore. Weighing not less than 40 gms.	80.00	Each	₹ 121.40	₹ 9,712.00

Sl. No.	DSR 2023 Item / Market Rate	Description of items	Quantity	Unit	Rate	Amount
16.9	18.65	Providing and fixing PTMT soap Dish Holder having length of 138 mm, breadth 102 mm, height of 75 mm with concealed fitting arrangements. Weighing not less than 106 gms.	160.00	Each	₹ 111.45	₹ 17,832.00
16.10	18.74	Providing and fixing unplasticised P.V.C. connection pipe with PTMT Nuts, collar and bush of approved quality and colour.				
16.10.1	18.74.2	15 mm nominal bore with 45 cm length	320.00	Each	₹ 121.90	₹ 39,008.00
16.11	18.76	Cutting holes up to 30x30 cm in walls including making good the same				
16.11.1	18.76.1	With common burnt clay F.P.S. (non modular) bricks	240.00	Each	₹ 416.80	₹ 1,00,032.00
Sub Total of SH - XVI						₹ 12,55,353.00
SH - XVII : DRAINAGE						
17.1	19.1	Providing, laying and jointing glazed stoneware pipes class SP-1 with stiff mixture of cement mortar in the proportion of 1:1 (1 cement : 1 fine sand) including testing of joints etc. complete :				
17.1.1	19.1.2	150 mm diameter	135.00	Metre	₹ 695.80	₹ 93,933.00
17.1.2	19.1.3	200 mm diameter	161.00	Metre	₹ 970.35	₹ 1,56,226.00
17.2	19.2	Providing and laying cement concrete 1:5:10 (1 cement : 5 coarse sand : 10 graded stone aggregate 40 mm nominal size) all-round S.W. pipes including bed concrete as per standard design :				
17.2.1	19.2.2	150 mm diameter S.W. pipe	135.00	Metre	₹ 1,179.85	₹ 1,59,280.00
17.2.2	19.2.3	200 mm diameter S.W. pipe	161.00	Metre	₹ 1,375.45	₹ 2,21,447.00

Sl. No.	DSR 2023 Item / Market Rate	Description of items	Quantity	Unit	Rate	Amount
17.3	19.4	Providing and fixing square-mouth S.W. gully trap class SP-1 complete with C.I. grating brick masonry chamber with water tight C.I. cover with frame of 300 x 300 mm size (inside) the weight of cover to be not less than 4.50 kg and frame to be not less than 2.70 kg as per standard design:				
17.3.1	19.4.1	100 x 100 mm size P type				
17.3.1.1	19.4.1.1	With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	20.00	Each	₹ 2,707.65	₹ 54,153.00
17.4	19.7	Constructing brick masonry manhole in cement mortar 1:4 (1 cement : 4 coarse sand) with R.C.C. top slab with 1:1.5:3 mix (1 cement : 1.5 coarse sand (zone-III) : 3 graded stone aggregate 20 mm nominal size), foundation concrete 1:4:8 mix (1 cement : 4 coarse sand (zone-III) : 8 graded stone aggregate 40 mm nominal size), inside plastering 12 mm thick with cement mortar 1:3 (1 cement : 3 coarse sand) finished with floating coat of neat cement and making channels in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) finished with a floating coat of neat cement complete as per standard design :				
17.4.1	19.7.1	Inside size 90 x 80 cm and 45 cm deep including C.I. cover with frame (light duty) 455 x 610 mm internal dimensions, total weight of cover and frame to be not less than 38 kg (weight of cover 23 kg and weight of frame 15 kg) :				

Sl. No.	DSR 2023 Item / Market Rate	Description of items	Quantity	Unit	Rate	Amount
17.4.1.1	19.7.1.1	With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	5.00	Each	₹ 12,770.55	₹ 63,853.00
Sub Total of SH - XVII						₹ 7,48,892.00
SH - XVIII : ALUMINIUM WORK						
18.1	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)				
18.1.1	21.1.1	For fixed portion				
18.1.1.1	21.1.1.2	Powder coated aluminium (minimum thickness of powder coating 50 micron	2,366.00	Kg	₹ 530.90	₹ 12,56,109.00

Sl. No.	DSR 2023 Item / Market Rate	Description of items	Quantity	Unit	Rate	Amount
18.2	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)				
18.2.1	21.1.2.2	Powder coated aluminium (minimum thickness of powder coating 50 micron)	1,900.00	Kg	₹ 634.45	₹ 12,05,455.00
18.3	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):				
18.3.1	21.3.1	With float glass panes of 4.0 mm thickness (weight not less than 10kg/sqm)	366.00	Sqm	₹ 1,176.80	₹ 4,30,709.00
18.4	21.11	Providing and fixing stainless steel (SS 304 grade) adjustable friction windows stays of approved quality with necessary stainless steel screws etc. to the side hung windows as per direction of Engineer-in-charge complete.				
18.4.1	21.11.1	205 x 19 mm	320.00	Each	₹ 344.30	₹ 1,10,176.00
18.5	21.15	Providing and fixing aluminium casement windows fastener of required length for aluminium windows with necessary screws etc. complete.				
18.5.1	21.15.2	Powder coated minimum thickness 50 micron aluminium.	160.00	Each	₹ 97.95	₹ 15,672.00
Sub Total of SH - XVIII						₹ 30,18,121.00

Sl. No.	DSR 2023 Item / Market Rate	Description of items	Quantity	Unit	Rate	Amount
SH - XIX : WATER PROOFING						
19.1	22.7	Providing and laying integral cement based water proofing treatment including preparation of surface as required for treatment of roofs, balconies, terraces etc consisting of following operations:				
		(a) Applying a slurry coat of neat cement using 2.75 kg/sqm of cement admixed with water proofing compound conforming to IS. 2645 and approved by Engineer-in-charge over the RCC slab including adjoining walls upto 300 mm height including cleaning the surface before treatment.				
		(b) Laying brick bats with mortar using broken bricks/brick bats 25 mm to 115 mm size with 50% of cement mortar 1:5 (1 cement : 5 coarse sand) admixed with water proofing compound conforming to IS : 2645 and approved by Engineer-in-charge over 20 mm thick layer of cement mortar of mix 1:5 (1 cement :5 coarse sand) admixed with water proofing compound conforming to IS : 2645 and approved by Engineer-in-charge to required slope and treating similarly the adjoining walls upto 300 mm height including rounding of junctions of walls and slabs.				
		(c) After two days of proper curing applying a second coat of cement slurry using 2.75 kg/ sqm of cement admixed with water proofing compound conforming to IS : 2645 and approved by Engineerin- charge.				

Sl. No.	DSR 2023 Item / Market Rate	Description of items	Quantity	Unit	Rate	Amount
		(d) Finishing the surface with 20 mm thick jointless cement mortar of mix 1:4 (1 cement :4 coarse sand) admixed with water proofing compound conforming to IS : 2645 and approved by Engineerin- charge including laying glass fibre cloth of approved quality in top layer of plaster and finally finishing the surface with trowel with neat cement slurry and making pattern of 300 x 300 mm square 3 mm deep.				
		(e) The whole terrace so finished shall be flooded with water for a minimum period of two weeks for curing and for final test.“All above operations to be done in order and as directed and specified by the Engineer-in-Charge :				
19.1.1	22.7.1	With average thickness of 120 mm and minimum thickness at khurra as 65 mm.	1,130.00	Sqm	₹ 1,684.60	₹ 19,03,598.00

Sl. No.	DSR 2023 Item / Market Rate	Description of items	Quantity	Unit	Rate	Amount
19.2	22.23	Providing and applying integral crystalline slurry of hydrophilic in nature for waterproofing treatment to the RCC structures like retaining walls of the basement, water tanks, roof slabs, podiums, reservior, sewage & water treatment plant, tunnels / subway and bridge deck etc., prepared by mixing in the ratio of 5 : 2 (5 parts integral crystalline slurry : 2 parts water) for vertical surfaces and 3 : 1 (3 parts integral crystalline slurry : 1 part water) for horizontal surfaces and applying the same from negative (internal) side with the help of synthetic fiber brush. The material shall meet the requirements as specified in ACI-212-3R-2010 i.e by reducing permeability of concrete by more than 90% compared with control concrete as per DIN 1048 and resistant to 16 bar hydrostatic pressure on negative side. The crystalline slurry shall be capable of self-healing of cracks up to a width of 0.50 mm. The work shall be carried out all complete as per specification and the direction of the engineer-in-charge. The product performance shall carry guarantee for 10 years against any leakage.				
19.2.1	22.23.1	For vertical surface two coats @ 0.70 kg per sqm	243.00	Sqm	₹ 472.90	₹ 1,14,915.00
19.2.2	22.23.2	For horizontal surface one coat @1.10 kg per sqm.	151.00	Sqm	₹ 362.80	₹ 54,783.00
Sub Total of SH - XIX						₹ 20,73,296.00

Sl. No.	DSR 2023 Item / Market Rate	Description of items	Quantity	Unit	Rate	Amount
SH - XX : NEW TECHNOLOGIES AND MATERIALS						
20.1	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				
20.1.1	26.28.2	50 mm average thickness	447.00	Sqm	₹ 256.35	₹ 1,14,588.00
20.1.2	26.28.3	25 mm average thickness	386.00	Sqm	₹ 126.75	₹ 48,926.00
20.2	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.				
20.2.1	26.29.1	Bars upto 12 mm diameter	1,100.00	Metre	₹ 8.25	₹ 9,075.00
20.2.2	26.29.2	Bars above 12 mm diameter	300.00	Metre	₹ 16.45	₹ 4,935.00
20.3	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 respect.				

Sl. No.	DSR 2023 Item / Market Rate	Description of items	Quantity	Unit	Rate	Amount
20.3.1	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 polymer	833.00	Sqm	₹ 141.20	₹ 1,17,620.00
20.4	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).				
20.4.1	26.32.2	25 mm average thickness in 2 layers.	386.00	Sqm	₹ 587.35	₹ 2,26,717.00
20.4.2	26.32.3	50 mm average thickness in 3 layers.	221.00	Sqm	₹ 1,174.70	₹ 2,59,609.00

Sl. No.	DSR 2023 Item / Market Rate	Description of items	Quantity	Unit	Rate	Amount
20.5	26.33	Providing, mixing and applying SBR polymer (of approved make @ minimum 2% by wt. of cement used) modified plain/reinforced cement concrete for structural members having minimum characteristic compressive strength [with ordinary portland cement, coarse sand and graded stone aggregate of 10mm maximum size in proportion as per design criteria] with specified average thickness. Note: Rates shall be for finished surface area of concrete and shall include the cost of labour, concrete and appropriate approved Super- Plasticiser for rendering concrete as flowable and SBR polymer but shall exclude cost of reinforcement, bond coat, Shear Keys, centering and shuttering, strutting, propping etc. (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)				
20.5.1	26.33.1	50mm thick in Grade M 25 with cement content not less than 330 kg per cum	226.00	Sqm	₹ 569.15	₹ 1,28,628.00
Sub Total of SH - XX						₹ 9,10,098.00
Total of Schedule Items (Total for SH - I to SH - XX) (A)						₹ 3,69,60,688.00
Modified estimated cost after using correction factor on DSR-2023 on account of GST @ 0.973 On DSR item only i.e on (A) (B)						₹ 3,59,62,749.00
Add Enhancement for Cost Index @ 23% On (B) (C)						₹ 82,71,432.00
Total for Schedule Items (D = B + C)						₹ 4,42,34,181.00

Sl. No.	DSR 2023 Item / Market Rate	Description of items	Quantity	Unit	Rate	Amount
SH - XXI : NON SCHEDULE / MARKET RATE ITEMS						
21.1	PCS -2017, vol- II, SECTION (A) - PLUMBING WORKS, (A)-(III) CPVC PIPE WORKS AND FITTINGS, P-32	Supply of Chlorinated Polyvinyl Chloride (CPVC) pipes & fittings conforming to IS-15778: 2007, (N) Union, 20 mm	80.00	Each	100.11	₹ 8,009.00
21.2	PCS -2017, vol- II, SECTION (A) - PLUMBING WORKS, (A)-(III) CPVC PIPE WORKS AND FITTINGS, P-32	Supply of Chlorinated Polyvinyl Chloride (CPVC) pipes & fittings conforming to IS-15778: 2007, (N) Union, 25 mm	80.00	Each	144.21	₹ 11,537.00
21.3	PCS -2017, vol- II, SECTION (A) - PLUMBING WORKS, (A)-(III) CPVC PIPE WORKS AND FITTINGS, P-32	Supply of Chlorinated Polyvinyl Chloride (CPVC) pipes & fittings conforming to IS-15778: 2007, (N) Union, 40 mm	40.00	Each	240.74	₹ 9,630.00
21.4	PCS -2017, vol- II, SECTION (A) - PLUMBING WORKS, (A)-(III) CPVC PIPE WORKS AND FITTINGS, P-33	Supply of Chlorinated Polyvinyl Chloride (CPVC) pipes & fittings conforming to IS-15778: 2007, (Q) Ball Valve, 20 mm	80.00	Each	181.15	₹ 14,492.00
21.5	PCS -2017, vol- II, SECTION (A) - PLUMBING WORKS, (A)-(III) CPVC PIPE WORKS AND FITTINGS, P-33	Supply of Chlorinated Polyvinyl Chloride (CPVC) pipes & fittings conforming to IS-15778: 2007, (Q) Ball Valve, 25 mm	80.00	Each	284.84	₹ 22,787.00

Sl. No.	DSR 2023 Item / Market Rate	Description of items	Quantity	Unit	Rate	Amount
21.6	PCS -2017, vol- II, SECTION (A) - PLUMBING WORKS, (A)-(III) CPVC PIPE WORKS AND FITTINGS, P-33	Supply of Chlorinated Polyvinyl Chloride (CPVC) pipes & fittings conforming to IS-15778: 2007, (Q) Ball Valve, 40 mm	20.00	Each	659.07	₹ 13,181.00
21.7	PCS -2017, SECTION 1. ---- BUILDING WORKS, F) STRUCTURAL STEEL WORKS, GRILLS, GATES ETC, B. REPAIRING, Item nos-6, page - 111	Taking out iron grated Steel window/Grill with locking arrangement after cutting out from walls and existing) with locking arrangement after cutting out from walls and refixing the same including mending all damages. [Mending charges to be paid separately]	606.00	Sqm	270.54	₹ 1,63,947.00
21.8	PCS-17, P- 234 of 315, (R) ALUMINIUM WORKS, Item nos- h) Louvered window.ii) Louvered Section.	Supplying profiles of required section made of Aluminium Alloy Extrusions conforming to IS: 732-1983 and IS: 1285-1975; Anodized (with required film thickness and specified colour / natural) matt finished conforming to IS: 1868-1983 for fabrication of composite door, sliding & casement windows, partitions, formed of basic sections of any ISI embossed / certified make and brand as per direction of Engineer - In- Charge. (Payment will be made on finished length of the work).				
21.8.1		h) Louvered window				
21.8.2		ii) Louvered Section.	160.00	Metre	784.20	₹ 1,25,472.00
21.9	PCS'2017S/I, It.- 2,P-77	Cleaning silt of inspection pit	25.00	Each	184.73	₹ 4,618.00
21.10	PCS'2017S/I, It.- 2,P-78	Cleaning silt of master trap pit	1.00	Each	1387.26	₹ 1,387.00

Sl. No.	DSR 2023 Item / Market Rate	Description of items	Quantity	Unit	Rate	Amount
21.11	PCS Item, Item nos- 32 .a (D. ACCESSORIES) , Page nos-146	Metallic magic eye of approved quality fitted and fixed complete.	80.00	Each	64.36	₹ 5,149.00
21.12	M/R	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 department)				
21.12.1	M/R	SCI soil waste/vent pipes i/c fittings,G. I pipes	2,769.00	Kg	-20.76	₹ -57,484.00
21.12.2	M/R	Wood	2,470.00	Kg	-11.00	₹ -27,170.00
21.12.3	M/R	MS frames and grills.	450.00	Kg	-25.00	₹ -11,250.00
21.12.4	M/R	Factory made PVC door shutter i/c frame	180.00	sqm	-181.15	₹ -32,607.00
Sub Total of SH - XXI (E)						₹ 2,51,698.00
ESTIMATED COST PUT TO TENDER FOR CIVIL PART (D + E)						₹ 4,44,85,879.00

SD
Assistant Engineer (P)
O/o the Chief Engineer, Kolkata, CPWD

SD
Executive Engineer (P)
O/o the Chief Engineer, Kolkata, CPWD