

NATIONAL PROJECTS CONSTRUCTION CORPORATION LIMITED

A Government of India Enterprise



Proposed Construction of Bank of Baroda's Residential Building at Plot No.03, H Block, Manoharpura, Sidhharth Nagar, Jaipur



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National Projects Construction Corporation Limited
(A Govt of India Enterpries)

**Proposed Construction of Bank of Baroda's Residential Building at Plot No.03, H Block, Manoharpura, Sidhharth Nagar,
Jaipur**

SUMMARY

Sl. No.	Description of Items			Amount
1	Cost of Work			₹ 493,572,083
	Total Project Cost =			₹ 493,572,083

Note - Above cost is not included mention in below.

1. Additional expenditure for statutory clearance @ 5% of project Cost approx.
2. Contingency 3% total project cost
3. For EPF & ESI @ 3.94% of total project cost
4. NPCC Ltd. PMC charge @ 2.82% + GST over Project Cost.

Proposed Construction of Bank of Baroda's Residential Building at Plot No.03, H Block, Manoharpura, Sidhharth Nagar, Jaipur

SUMMARY OF COST			
S.No.	DESCRIPTION OF ITEM	AMOUNT	
		DSR-2023 (Civil) & DSR 2025 (E&M)	Non-Schedule
(A)	COST OF BUILDING		
1	CIVIL WORKS DSR-2023	372,427,613.89	
2	CIVIL WORKS NON-SCHEDULE		4,480,074.00
3	INTERNAL PLUMBING WORKS DSR-2023	4,636,147.98	
4	INTERNAL PLUMBING WORKS NON-SCHEDULE		7,031,872.00
5	INTERNAL ELECTRICAL WORKS DSR- E&M 2025)	19,376,431.00	
6	INTERNAL ELECTRICAL WORKS NON-SCHEDULE		450,560.00
7	INTERNAL FIRE FIGHTINGWORKS-DSR- E&M 2025)	4,323,520.00	
8	INTERNAL FIRE FIGHTINGWORKS NON SCHEDULE		3,519,338.80
9	LIFT (E&M 2025)	9,133,542.88	
	TOTAL (A)	409,897,255.75	15,481,844.80
(B)	OTHER WORKS		
1	EXTERAL WATER SUPPLY AND SEWERAGE-DSR-2023	5,737,924.49	
2	PUMPS FOR WATER SUPPLY Non-Schedule		1,163,497.00
3	EXTERAL ELECTRICAL WORKS DSR-2025	5,415,323.00	
4	EXTERAL ELECTRICAL WORKS Non-Schedule		33,828,356.00
5	GATE (2 NOS)-6 M WIDE DSR-2023	931,145.13	
6	BOUNDARY WALL (Length = 235.00 m)	6,641,208.91	
7	GUARD ROOM	790,710.85	
8	CC ROAD	4,119,919.65	
9	PARKING/INTERLOCKING	1,877,179.01	
10	STORM WATER DRAIN	2,290,797.09	
11	UG TANK (100 KL)	4,668,403.30	
12	RAIN WATER HARVESTING	446,945.10	
13	HORTICULTURE AND LANDSCAPING (DSR 2025 Horticulture)	264,072.42	
14	HORTICULTURE AND LANDSCAPINGNon-Schedule		17,500.00
	TOTAL (B)	33,183,628.95	35,009,353.00
	TOTAL (A+B)	443,080,884.70	50,491,197.80
	Grand Total		493,572,082.50

Proposed Construction of Bank of Baroda's Residential Building at Plot No.03, H Block, Manoharpura, Sidhharth Nagar, Jaipur
BILL OF QUANTITIES

BILL OF QUANTITIES (MAIN BLOCK, CIVIL WORKS)						
S.No.	DSR Item No.	DESCRIPTION OF ITEM	UNIT	BOQ Qty	RATE	Amount (Rs)
1	2.00	3	5	4	6.00	7.00
1	2.6.1	Earth work in excavation by mechanical means (Hydraulic excavator)/ manual means over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 sqm on plan) including getting out and disposal of excavated earth , and for all lifts, as directed by Engineer-in-charge. All kinds of soil	cum	4305.50	177.50	764,226.25
						-
2	2.7.1	Earth work in excavation by mechanical means (Hydraulic excavator)/ manual means over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 sqm on plan) including getting out and disposal of excavated earth , and for all lifts, as directed by Engineer-in-charge. Ordinary rock	cum	645.83	498.90	322,202.09
						-
3	2.25	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 and for all lift.	cum	2870.33	196.00	562,585.33
						-
						-
4	2.27	Supplying and filling in plinth with sand under floors, including watering, ramming, consolidating and dressing complete.	cum	206.39	2,123.75	438,320.76
						-
5	2.34	Supplying chemical emulsion in sealed containers including delivery as specified.				-
	2.34.1	Chlorpyrifos/ Lindane emulsifiable concentrate of 20%	litre	758.50	234.75	178,057.88
						-
6	2.35	Diluting and injecting chemical emulsion for Pre-CONSTRUCTIONAL anti-termite treatment (excluding the cost of chemical emulsion) :				-
	2.35.3	Treatment of soil under existing floors using chemical emulsion @ one litre per hole, 300 mm apart including drilling 12 mm diameter holes and plugging with cement mortar 1 :2 (1 cement : 2 Coarse sand) to match the existing floor :				-
	2.35.3.1	With Chlorpyrifos/Lindane E.C. 20% with 1% concentration	sqm	1365.27	310.05	423,301.96
						-
7	4.1.8	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : 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)	cum	405.290	6,812.00	2,760,835.48
						-
6-B	4.1.10	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : 1:5:10 (1 Cement : 4 coarse sand (zone-III) derived from natural sources : 10 graded stone aggregate 40 mm nominal size derived from natural sources)	cum	3.180	6,518.60	20,729.15
						-
	5.33.1	Providing and laying in position ready mixed or site batched design mix cement concrete for reinforced cement concrete work; using coarse aggregate and fine aggregate derived from natural sources, Portland Pozzolana / Ordinary Portland /Portland Slag cement, admixtures in recommended proportions as per IS: 9103 to accelerate / retard setting of concrete, to improve durability and workability without impairing strength; including pumping of concrete to site of laying, curing, carriage for all leads; but excluding the cost of centering, shuttering, finishing and reinforcement as per direction of the engineer-in-charge; for the following grades of concrete. Note: Extra cement up to 10% of the minimum specified cement content in design mix shall be payable separately. In case the cement content in design mix is more than 1.10 times of the specified minimum cement content, the contractor shall have discretion to either re-design the mix or bear the cost of extra cement.				-
8	5.33.1.1	All works upto plinth level : Concrete of M25 grade with minimum cement content of 330 kg /cum	cum	2605.460	9,504.75	24,764,245.94
9	5.33.1.3	All works upto plinth level : Concrete of M35 grade with minimum cement content of 370 kg /cum	cum	75.450	9,806.70	739,915.52
						-
	5.33	Providing and laying in position ready mixed or site batched design mix cement concrete for reinforced cement concrete work; using coarse aggregate and fine aggregate derived from natural sources, Portland Pozzolana / Ordinary Portland /Portland Slag cement, admixtures in recommended proportions as per IS: 9103 to accelerate / retard setting of concrete, to improve durability and workability without impairing strength; including pumping of concrete to site of laying, curing, carriage for all leads; but excluding the cost of centering, shuttering, finishing and reinforcement as per direction of the engineer-in-charge; for the following grades of concrete. Note: Extra cement up to 10% of the minimum specified cement content in design mix shall be payable separately. In case the cement content in design mix is more than 1.10 times of the specified minimum cement content, the contractor shall have discretion to either re-design the mix or bear the cost of extra cement.				-
10	5.33.2.1	All works above plinth level upto floor V level : Concrete of M25 grade with minimum cement content of 330 kg /cum	cum	3857.470	9,860.40	38,036,197.19
11	5.33.2.3	All works above plinth level upto floor V level : Concrete of M35 grade with minimum cement content of 370 kg /cum	cum	1139.400	10,162.35	11,578,981.59
						-
12	16.75	Providing and laying C.C. pavement of mix M-25 with ready mixed concrete from batching plant. The ready mixed concrete shall be laid and finished with screed board vibrator , vacuum dewatering process and finally finished by floating, brooming with wire brush etc. complete as per specifications and directions of Engineer-in-charge. (The panel shuttering work shall be paid for separately). (Note:- Cement content considered in this item is @ 330 kg/cum. Excess/less cement used as per design mix is payable/ recoverable separately).	cum	162.32	9,823.80	1,594,599.22
						-

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BILL OF QUANTITIES

BILL OF QUANTITIES (MAIN BLOCK, CIVIL WORKS)						
S.No.	DSR Item No.	DESCRIPTION OF ITEM	UNIT	BOQ Qty	RATE	Amount (Rs)
1	2.00	3	5	4	6.00	7.00
13	11.40	52 mm thick cement concrete flooring with concrete hardener topping, under layer 40 mm thick cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) and top layer 12mm thick cement hardener consisting of mix 1:2 (1 cement hardener mix : 2 graded stone aggregate 6 mm nominal size) by volume, hardening compound mixed @ 2 litre per 50 kg of cement or as per manufacturer's specifications. This includes cost of cement slurry, but excluding the cost of nosing of steps etc. complete.	Sqm	32.45	978.45	31,750.70
						-
14	5.22.A.6	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level & above plinth level. Thermo-Mechanically Treated bars of grade Fe-500D or more.	KG	1104440.00	107.85	119,113,854.00
						-
15	5.38	Extra for R.C.C./ B.M.C/ R.M.C. work above floor V level for each four floors or part thereof.				-
	(i)	Fifth Floor To Eight Floor	cum	2243.36	355.65	797,850.98
						-
16	5.90	Centering and shuttering including strutting, propping etc. and removal of form for :				-
	5.9.1	Foundations, footings, bases of columns, etc. for mass concrete	sqm	218.40	392.15	85,645.56
	5.9.2	Walls (any thickness) including attached pilasters, buttresses, plinth and string courses etc.	sqm	2651.46	842.50	2,233,855.05
	5.9.3	Suspended floors, roofs, landings, balconies and access platform	sqm	11879.50	927.25	11,015,266.38
	5.9.4	Shelves (Cast in situ)	sqm	75.00	927.25	69,543.75
	5.9.5	Lintels, beams, plinth beams, girders, bressumers and cantilevers	sqm	13803.83	736.40	10,165,140.41
	5.9.6	Columns, Pillars, Piers, Abutments, Posts and Struts	sqm	6912.74	961.30	6,645,216.96
	5.9.7	Stairs ,(excluding landings) except spiral-staircase	sqm	342.00	764.95	261,612.90
	5.9.16.1	Edges of slabs and breaks in floors and walls Under 20 cm wide	metre	1800.00	208.55	375,390.00
	5.9.19	Weather shade, Chajjas, corbels etc., including edges	sqm	100.00	951.10	95,110.00
						-
17	6.1.2	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth in: Cement mortar 1:6 (1 cement : 6 coarse sand)	cum	152.59	7,132.25	1,088,310.03
						-
18	6.4.2	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 : Cement mortar 1:6 (1 cement : 6 coarse sand)	cum	2064.62	9,105.95	18,800,326.49
						-
19	6.13.2	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. Cement mortar 1 :4 (1 cement :4 coarse sand)	sqm	4283.12	1,123.80	4,813,370.26
						-
20	6.50	Extra for brick work / AAC block masonry / Tile brick masonry in super structure above floor V level, for each four floors or part thereof by mechanical means.				-
	(i)	Fifth Floor to Eight Floor	cum	878.92	169.45	148,932.99
						-
21	6.14	Extra for half brick masonry in superstructure, above floor V level for every four floors or part thereof by mechanical means.				-
	(i)	Fifth Floor to Eight Floor	Sqm	2130.40	15.00	31,956.00
						-
22	6.15	Extra for providing and placing in position 2 Nos 6mm dia. M.S. bars at every third course of half brick masonry.	sqm	4283.12	104.80	448,870.98
						-
23	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:				-
	9.21.1	35 mm thick including ISI marked Stainless Steel butt hinges with necessary screws	sqm	881.19	2,392.65	2,108,379.25
						-
24	9.13	Providing & Fixing decorative high pressure laminated sheet of plain I wood grain in gloss I matt/ suede finish with high density protective surface layer and reverse side of adhesive bonding quality conforming to IS : 2046 Type S, including cost of adhesive of approved quality.				-
	9.127.1	1.5 mm thick	sqm	1762.38	1,045.95	1,843,361.36
						-
25	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).	sqm	881.19	462.35	407,418.20
						-
26	10.5.1	Providing and fixing 1 mm thick M.S. sheet door with frame of 40x40x6 mm angle iron and 3 mm M.S. gusset plates at the junctions and corners, all necessary fittings complete, including applying a priming coat of approved steel primer. Using M.S. angels 40x40x6 mm for diagonal braces	sqm	7.35	5,804.35	42,661.97
						-
27	9.96.2 (AR)	Providing and fixing bright /matt finished Stainless Steel Sliding Door Bolt of approved quality & make with necessary screws etc all complete. 200x16 mm.	each	1152.00	253.45	291,974.40
						-
28	9.165.1	Providing and fixing bright /matt finished Stainless Steel handles of approved quality & make with necessary screws etc all complete.	each	1032.00	119.20	123,014.40
						-
29	9.97.2	Providing and fixing bright /matt finished Stainless Steel Tower Bolt of approved quality & make with necessary screws etc all complete. 200x10 mm.	each	1152.00	178.14	205,213.51
						-
30	9.97.2	Providing and fixing bright /matt finished Stainless Steel Tower Bolt of approved quality & make with necessary screws etc all complete. 150x10 mm.	each	50.00	146.24	7,312.05
						-

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S.No.	DSR Item No.	DESCRIPTION OF ITEM	UNIT	BOQ Qty	RATE	Amount (Rs)
1	2.00	3	5	4	6.00	7.00
31	9.84	Providing and fixing aluminium extruded section body tubular type universal hydraulic door closer (having brand logo with ISI, IS : 3564, embossed on the body, door weight upto 36 kg to 80 kg and door width from 701 mm to 1000 mm), with double speed adjustment with necessary accessories and screws etc. complete.	each	192.00	983.15	188,764.80
						-
32	9.122.1	Providing and fixing to existing door frames.30 mm thick Glass Fibre Reinforced Plastic (FRP) panelled door shutter of required colour and approved brand and manufacture, made with fire - retardant grade unsaturated polyester resin, moulded to 3 mm thick FRP laminate for forming hollow rails and styles, with wooden frame and suitable blocks of seasoned wood inside at required places for fixing of fittings, cast monolithically with 5 mm thick FRP laminate for panels conforming to IS: 14856, including fixing to frames.	sqm	362.88	3,720.75	1,350,185.76
						-
33	9.1.1	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). Second class teak wood	cum	36.57	142,949.70	5,227,670.53
						-
34	9.48.2	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.	KG	8553.60	238.35	2,038,750.56
						-
35	9.147.B1.2	Providing and fixing factory made uPVC glazed/wire mesh windows/ doors comprising of lead free uPVC multi-chambered frame, sash and mullion/coupler (where ever required) extruded profiles having minimum wall thickness of 1.70 mm for Series R1 and R2 profiles and 2.10 mm for Series R3 and R4 profiles conforming to EN: 12608 in any shape, colour and design duly reinforced with galvanized mild steel section made of required shape & size as per CPWD Specification, uPVC extruded glazing beads, interlocks and inline sash adaptor (where ever required) of appropriate dimension, EPDM gasket, hardware, SS 304 grade fasteners of minimum 8 mm dia with countersunk head, comprising of matching polyamide PA6 grade sleeve for fixing frame to finished wall as per IS 1367 : Part 1 to 14, plastic packers, plastic caps and necessary stainless steel screws etc. Profile of frame, sash & mullion (if required) shall be mitred cut and fusion welded/mechanically jointed duly sealed at all corners, including drilling of holes for fixing hardware and drainage of water etc. After fixing frame the gap between frame and adjacent finished wall shall be filled with weather proof silicon sealant over backer rod of approved size and quality, all complete as per approved drawing conforming to CPWD specification & direction of Engineer-in-Charge. Section of steel reinforcement and cross sections of uPVC profiles to be as per design approved by Engineer-in-Charge. Two track two panels sliding door with Aluminium channel for roller track, wool pile, zinc alloy (zamak) powder coated handle on every panel along with multi-point locking system, adjustable nylon rollers with SS 304 body.	Sqm	1008.00	8,106.30	8,171,150.40
						-
36	9.147.A	Providing and fixing factory made uPVC glazed/wire mesh windows/doors comprising of lead free uPVC multi-chambered frame, sash and mullion/coupler (where ever required) extruded profiles having minimum wall thickness of 1.70 mm for Series R1 and R2 profiles and 2.10 mm for series R3 and R4 profiles conforming to EN : 12608 in any shape, colour and design duly reinforced with galvanized mild steel section made of required shape & size as per CPWD Specification, uPVC extruded glazing beads, interlocks and inline sash adaptor (where ever required) of appropriate dimension, EPDM gasket , hardware, SS 304 grade fasteners of minimum 8 mm dia with countersunk head, comprising of matching polyamide PA6 grade sleeve for fixing frame to finished wall as per IS 1367 : Part 1 to 14, plastic packers, plastic caps and necessary stainless steel screws etc. Profile of frame, sash & mullion (if required) shall be mitred cut and fusion welded/mechanically jointed duly sealed at all corners, including drilling of holes for fixing hardware and drainage of water etc.				-
		After Fixing frame the gap between frame and adjacent finished wall shall be filled with weather proof silicon sealant over backer rod of approved size and quality, all complete as per approved drawing conforming to CPWD specification & direction of Engineer-in-charge. Section of steel reinforcement and cross sections of uPVC Profiles to be as per design approved by Engineer-in-Charge. Wire mesh/Glazing of plain/toughened/ laminated /double glass unit with / without high performance coatings as per design requirements and conforming to IS :3548 & IS : 16231 shall be paid separately. Notes:- Structural design proof checked from a Government Engineering Institute, to be provided by the manufacturer for : (i) Sites with basic wind speed >45 m/Sec as per IS 875 - Part 3. (ii) Sites with structure height more than 20m for all wind speeds.				-
	9.147.B4.1	Three track panels sliding door with Aluminium channel for roller track, wool pile, zinc alloy (zamak) powder coated handle on two panels along with multi-point locking system, adjustable nylon rollers with SS 304 body. Using R3 series with frame (98 mm & above)x (40 mm & above) & sash (30 mm & above) x (74 mm & above) (Height upto 2.5 metre).	sqm	414.72	8,287.05	3,436,805.38
						-
37	9.147.A	Providing and fixing factory made uPVC glazed/wire mesh windows/doors comprising of lead free uPVC multi-chambered frame, sash and mullion/coupler (where ever required) extruded profiles having minimum wall thickness of 1.70 mm for Series R1 and R2 profiles and 2.10 mm for series R3 and R4 profiles conforming to EN : 12608 in any shape, colour and design duly reinforced with galvanized mild steel section made of required shape & size as per CPWD Specification, uPVC extruded glazing beads, interlocks and inline sash adaptor (where ever required) of appropriate dimension, EPDM gasket , hardware, SS 304 grade fasteners of minimum 8 mm dia with countersunk head, comprising of matching polyamide PA6 grade sleeve for fixing frame to finished wall as per IS 1367 : Part 1 to 14, plastic packers, plastic caps and necessary stainless steel screws etc. Profile of frame, sash & mullion (if required) shall be mitred cut and fusion welded/mechanically jointed duly sealed at all corners, including drilling of holes for fixing hardware and drainage of water etc.				-

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BILL OF QUANTITIES

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S.No.	DSR Item No.	DESCRIPTION OF ITEM	UNIT	BOQ Qty	RATE	Amount (Rs)
1	2.00	3	5	4	6.00	7.00
		After Fixing frame the gap between frame and adjacent finished wall shall be filled with weather proof silicon sealant over backer rod of approved size and quality, all complete as per approved drawing conforming to CPWD specification & direction of Engineer-in-charge. Section of steel reinforcement and cross sections of uPVC Profiles to be as per design approved by Engineer-in-Charge. Wire mesh/Glazing of plain/toughened/ laminated /double glass unit with / without high performance coatings as per design requirements and conforming to IS :3548 & IS : 16231 shall be paid separately. Notes:- Structural design proof checked from a Government Engineering Institute, to be provided by the manufacturer for : (i) Sites with basic wind speed >45 m/Sec as per IS 875 - Part 3. (ii) Sites with structure height more than 20m for all wind speeds.				-
	9.147.D1.1	Ventilator Casement window single panel with or without fixed panel with S.S. 304 friction hinges as per size and weight of sash, single point locking zinc alloy (zamak) powder coated handles. Using R1 series with frame (33 mm & above) x (35 mm & above) & sash /nullion (33 mm & above) x (50 mm & above). (Height upto 0.90 metre).	sqm	155.52	13,201.20	2,053,050.62
						-
38	21.3.2	Providing and fixing glazing in aluminium/upvc 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 . With float glass panes of 8 mm thickness (weight not less than 20 kg/sqm)	sqm	1578.24	1,685.40	2,659,965.70
						-
39	10.25.2	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. In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works	kg	33315.20	172.60	5,750,203.52
						-
40	10.28	Providing and fixing stainless steel (Grade 304) railing made of Hollow tubes, channels, plates etc., including welding, grinding, buffing, polishing and making curvature (wherever required) and fitting the same with necessary stainless steel nuts and bolts complete, i/c fixing the railing with necessary accessories & stainless steel dash fasteners , stainless steel bolts etc., of required size, on the top of the floor or the side of waist slab with suitable arrangement as per approval of Engineer-in-charge, (for payment purpose only weight of stainless steel members shall be considered excluding fixing accessories such as nuts, bolts, fasteners etc.).	kg	612.00	772.40	472,708.80
						-
41	DSR-22.26	Providing and applying of swellable type water stop tape, 19mm x 25mm thick in linear meter (expansive nature) for construction joints treatment of RCC structure such as raft slab, retaining walls, water storage tank and at the junctions of raft slab with the retaining walls etc.. After cleaning the surface, one coat of required primer for swellable water stop tape shall be applied throughout the length of the joint @3.78 litre per 240 running meter. Over the primed surface swellable type water stop tape shall be placed. 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.	Rmt	31.30	573.45	17,948.99
						-
42	DSR-12.21	Providing and laying gola 75x75mm in cement concrete M15 grade including finishing with cement mortar 1:3 (1 cement : 3 fine sand) as per standard design in 75x75 mm deep chase.	Rmt	479.60	305.15	146,349.94
						-
43	DSR-19.15.1	Providing M.S. foot rest including fixing with 20x20x10 cm. cement concrete block 1:3:6 (1 cement : 3 coarse sand : 6 graded aggregate of nominal size 20mm) as per standard design with 20x20mm sq bars.	Nos	8.00	544.70	4,357.60
						-
44	13.4.2	12 mm cement plaster of mix : 1:6 (1 cement: 6 coarse sand)	sqm	15235.37	343.65	5,235,634.90
						-
45	13.12	18 mm cement plaster in two coats under layer 12 mm thick cement plaster 1:5 (1 cement : 5 coarse sand) and a top layer 6 mm thick cement plaster 1:3 (1 cement : 3 coarse sand) finished rough with sponge.	sqm	16725.64	537.45	8,989,195.22
						-
46	13.22	Extra for plastering exterior walls of height more than 10 m from ground level for every additional height of 3 m or part thereof.				-
13.22*1	a	10 M TO 13 M	sqm	758.95	87.10	66,104.55
13.22*2	b	13 M TO 16 M	sqm	758.95	174.20	132,209.09
13.22*3	c	16 M TO 19 M	sqm	758.95	261.30	198,313.64
13.22*4	d	19 M TO 22 M	sqm	758.95	348.40	264,418.18
13.22*5	e	22 M TO 25 M	sqm	758.95	435.50	330,522.73
13.22*6	f	25 M TO 28M	sqm	758.95	522.60	396,627.27
						-
47	13.40	12 mm cement plaster of mix				-
	13.4.1	1:4 (1 cement: 4 coarse sand)	sqm	8632.62	357.35	3,084,866.76
						-
48	11.41A	Providing and laying Vitrified tiles in floor in different sizes (minimum 10mm thick) 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, piler, wedge, clips of required thickness, leveling system and rubber mallet for placing the tiles gently and easily. Double charge vitrified tile polished finish of size				-
	11.41A.1.1	Size of Tile 600x600 mm	sqm	6318.88	1,453.65	9,185,439.91
						-

Proposed Construction of Bank of Baroda's Residential Building at Plot No.03, H Block, Manoharpura, Sidhharth Nagar, Jaipur
BILL OF QUANTITIES

BILL OF QUANTITIES (MAIN BLOCK, CIVIL WORKS)						
S.No.	DSR Item No.	DESCRIPTION OF ITEM	UNIT	BOQ Qty	RATE	Amount (Rs)
1	2.00	3	5	4	6.00	7.00
49	11.46.2	Providing and laying Vitrified tiles in different sizes (minimum 10mm thick), 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. Double charge vitrified tile polished finish of size 600x600 mm	sqm	1090.08	1,623.05	1,769,254.34
						-
50	11.41A.3.1	Providing and laying Vitrified tiles in floor in different sizes (minimum 10mm thick) 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. Antiskid finish of size. Size of Tile 600 x 600 mm	sqm	1342.63	1,464.85	1,966,751.56
						-
51	8.31	Providing and fixing 1st quality ceramic glazed wall tiles conforming to IS: 15622 (minimum 10mm thick), 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.	sqm	4332.18	1,267.95	5,492,987.63
						-
52	11.26.1	Kata stone slab flooring over 20 mm (average) thick base laid over and jointed with grey cement slurry mixed with pigment to match the shade of the slab, including rubbing and polishing complete with base of cement mortar 1 : 4 (1 cement: 4 coarse sand): 25mm Thick				-
			sqm	2360.58	1,948.25	4,598,999.99
53	11.27	Kota stone slabs 20 mm thick in risers of steps, skirting, dado and pillars laid on 12 mm (average) thick cement mortar 1:3 (1 cement: 3 coarse sand) and jointed with grey cement slurry mixed with pigment to match the shade of the slabs, including rubbing and polishing complete.				-
			sqm	559.78	2,354.70	1,318,113.97
54	11.31	Extra for pre finished nosing in treads of steps of Kata stone/ sand stone slab.				-
			RM	1026.00	191.40	196,376.40
55	8.20	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.				-
	8.2.2.2	Granite stone slab of colour jet black/Black Galaxy Pattern, Cherry/Ruby red. Area of slab over 0.50 sqm	sqm	2343.20	5,136.30	12,035,378.16
						-
56	11.30.2	40 mm thick rubbed stone flooring over 20 mm (average) thick base of cement mortar 1 : 5 (1 cement: 5 coarse sand) with joints 3 mm thick, side buttered with cement mortar 1 : 2 (1 cement : 2 stone dust) admixed with pigment to match the shade of stone and pointing with same mortar.				-
		White sand stone (Jaisalmer stone)	sqm	250.00	1,709.60	427,400.00
						-
57	11.56	Providing and laying Polished Granite stone flooring in required design and patterns, in linear as well as curvilinear portions of the building all complete as per the architectural drawings with 18 mm thick stone slab over 20 mm (average) thick base of cement mortar 1 : 4 (1 cement : 4 coarse sand) laid and jointed with cement slurry and pointing with white cement slurry admixed with pigment of matching shade including rubbing , curing and polishing etc. all complete as specified and as directed by the Engineer-in-Charge. Polished Granite stone slab of colour Black, Chery/Ruby Red or equivalent	sqm	203.88	4,481.30	913,647.44
						-
58	4.17	Making plinth protection 50mm thick of cement concrete 1:3:6 (1 cement : 3 coarse sand (zone - III) : 6 graded stone aggregate 20 mm nominal size) 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.	sqm	278.59	749.30	208,747.49
						-
59	11.13.1	Providing and fixing glass strips in joints of terrazo/ cement concrete floors. 40 mm wide and 4 mm thick	metre	928.63	91.75	85,201.80
						-
60	13.82.2	Wall painting with premium acrylic emulsion paint of interior grade in two or more coats, 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.	sqm	24494.22	142.80	3,497,774.62
						-
61	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.	sqm	31961.01	156.05	4,987,515.61
						-
62	13.48.3	Painting Steel work with Deluxe Multi Surface Paint to give an even shade. Two or more coat applied @ 0.90 ltr/ 10 sqm over an under coat of primer applied @ 0.80 ltr/ 10 sqm of approved brand and manufacture	sqm	1533.58	170.70	261,782.11
						-
63	13.68.1	French spirit polishing : Two or more coats on new works including a coat of wood filler	sqm	882.51	446.25	393,820.09
						-

Proposed Construction of Bank of Baroda's Residential Building at Plot No.03, H Block, Manoharpura, Sidhharth Nagar, Jaipur
BILL OF QUANTITIES

BILL OF QUANTITIES (MAIN BLOCK, CIVIL WORKS)						
S.No.	DSR Item No.	DESCRIPTION OF ITEM	UNIT	BOQ Qty	RATE	Amount (Rs)
1	2.00	3	5	4	6.00	7.00
64	12.52.1	Providing and fixing tiled false ceiling of specified materials of size 595x595 mm in true horizontal level, suspended on inter locking metal grid of hot dipped galvanized steel sections (galvanized @ 120 grams/ sqm, both side inclusive) consisting of main "T" runner with suitably spaced joints to get required length and of size 24x38 mm made from 0.30 mm thick (minimum) sheet, spaced at 1200 mm center to center and cross "r" of size 24x25 mm made of 0.30 mm thick (minimum) sheet, 1200 mm long spaced between main "T" at 600 mm center to center to form a grid of 1200x600 mm and secondary cross "T" of length 600 mm and size 24x25 mm made of 0.30 mm thick (minimum) sheet to be interlocked at middle of the 1200x600 mm panel to form grids of 600x600 mm and wall angle of size 24x24x0.3 mm and laying false ceiling tiles of approved texture in the grid including, required cutting/making, opening for services like diffusers, grills, light fittings, fixtures, smoke detectors etc. Main "T" runners to be suspended from ceiling using GI slotted cleats of size 27 x 37 x 25 x1 .6 mm fixed to ceiling with 12.5 mm dia and 50 mm long dash fasteners, 4 mm GI adjustable rods with galvanised butterfly level clips of size 85 x 30 x 0.8 mm spaced at 1200 mm center to center along main T, bottom exposed width of 24 mm of all T-sections shall be pre-painted with polyester paint, all complete for all heights as per specifications, drawings and as directed by Engineer-in-charge. GI Metal Ceiling Lay in plain Tegular edge Global white color tiles of size 595x595 mm, and 0.5 mm thick with 8 mm drop; made of GI sheet having galvanizing of 100 gms/sqm (both sides inclusive) and electro statically polyester powder coated of thickness 60 microns (minimum), including factory painted after bending.				-
			sqm	609.60	1,902.95	1,160,038.32
						-
65	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, mounting on the chair bracket with clear gap between the wall surface, leaving 10 mm gap for thermal expansion, (i) Single socketed pipes.				-
	12.41.2	110 mm diameter	metre	434.25	377.40	163,885.95
						-
66	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.				-
	12.42.1	Coupler				-
	12.42.1.2	110 mm	each	75.00	136.15	10,211.25
	12.42.5	Bend 87.5°				-
	12.42.5.2	110 mm bend	each	15.00	150.35	2,255.25
	12.42.6	Shoe (Plain)				-
	12.42.6.2	110 mm Shoe	each	15.00	131.85	1,977.75
						-
67	12.43	Providing and fixing unplasticised -PVC pipe clips of approved design to unplasticised - PVC rain water pipes by means of 50x50x50 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 mounting on the chair bracket with clear gap between the wall surface.etc. complete.				-
	12.43.2	110 mm	each	285.00	371.30	105,820.50
						-
68	12.44	Providing and fixing to the inlet mouth of rain water pipe cast iron grating 15 cm diameter and weighing not less than 440 grams.	each	15.00	54.70	820.50
						-
69	22.23 (AR)	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, reservoir, 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 0.50mm. 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.				-
	22.23.1	For vertical surface two coats @ 0.70 kg per sqm	sqm	79.84	472.90	37,756.34
	22.23.2	For horizontal surface one coat @1.10 kg per sqm.	sqm	37.96	362.80	13,771.89
						-
70	22.26	Providing and applying of swellable type water stop tape, 19 mm x 25 mm thick in linear metre (expansive nature) for construction joints treatment of RCC structure such as raft slab, retaining walls, water storage tank and at the junctions of raft slab with the retaining walls etc.. After cleaning the surface, one coat of required primer for swellable water stop tape shall be applied throughout the length of the joint @3.78 litre per 240 running metre. Over the primed surface swellable type water stop tape shall be placed. 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.	Rm	17.78	573.45	10,195.94
						-

Proposed Construction of Bank of Baroda's Residential Building at Plot No.03, H Block, Manoharpura, Sidhharth Nagar, Jaipur
BILL OF QUANTITIES

BILL OF QUANTITIES (MAIN BLOCK, CIVIL WORKS)						
S.No.	DSR Item No.	DESCRIPTION OF ITEM	UNIT	BOQ Qty	RATE	Amount (Rs)
1	2.00	3	5	4	6.00	7.00
71	22.26	Providing and erecting 2.00 metre high temporary barricading at site; each panel of size 2.50 m x2.00 m made of 40x40x6 mm angle iron or 50x50x3 mm hollow MS tube posts/horizontal members/bracings covered with 1.63 mm thick MS sheet. The sheet shall be fixed with 30x3 mm MS flat by suitable welding/riveting. The panels shall be made so that gap of 50cm above the ground is available making overall height as 2.5 m. MS channel ISLC 75 @ 5.70 kg/m, 50 cm long shall be provided at the bottom having oval shaped holes of size 50x25 mm at both ends with 50 cm long MS angle 40x40x6 mm bracing. Suitable arrangement shall be made to fix the barricading to avoid from overturning by providing 250 mm long expansion fasteners at both ends. The work shall be executed as per drawing/direction of Engineer-in-Charge which includes writing and painting, arrangement for traffic diversion such as traffic signals during construction at site for day and night, glow lamps, reflective signs, marking, flags, caution tape as directed by the Engineer-in-Charge. The barricading provided shall be retained in position at site continuously including shifting of barricading from one location to another location as many times as required during the execution of the entire work till its completion. Rate include its maintenance for damages, painting, all incidentals, labour materials, equipments and works required to execute the job. The barricading shall not be removed without prior approval of Engineer-in-Charge. (Note :- One time payment shall be made for providing barricading from start of work till completion of work including shifting. The barricading provided shall remain to be the property of the contractor on completion of the work).	Rm	250.00	3,439.50	859,875.00
						-
72	24.2'	Providing and fixing double scaffolding system (cup lock type) on the exterior side of building/structure, upto 25 metre height, above ground level, including additional rows of scaffolding in stepped manner as per requirement of site, made with 40 mm dia M.S. tube, placed 1.5 metre centre to centre, horizontal & vertical tubes joint with cup & lock system with M.S. Tubes, M.S. tube challis, M.S. clamps and staircase system in the scaffolding for working platform etc. and maintaining it in a serviceable condition for execution of work of cleaning and/ or pointing and/ or applying chemical and removing it thereafter. The scaffolding system shall be stiffened with bracings, runners, connecting with the building etc. wherever required, if feasible, for inspection of work at required locations with essential safety features for the workmen etc., complete as per directions and approval of Engineer-in-charge. Note:- (1) The elevational area of the scaffolding shall be measured for payment purpose. (2) The payment will be made once only for execution of all items for such works.	Sqm	8078.99	338.25	2,732,718.37
73	22.50	Providing and laying water proofing treatment in sunken portion of WCs, bathroom etc., by applying cement slurry mixed with water proofing cement compound consisting of applying :				-
		(a) First layer of slurry of cement @ 0.488 kg/sqm mixed with water proofing cement compound @ 0.253 kg/ sqm. This layer will be allowed to air cure for 4 hours				-
		(b) Second layer of slurry of cement @ 0.242 kg/sqm mixed with water proofing cement compound @ 0.126 kg/sqm. This layer will be allowed to air cure for 4 hours followed with water curing for 48 hours				-
		The rate includes preparation of surface, treatment and sealing of all joints, corners, junctions of pipes and masonry with polymer mixed slurry.	sqm	1434.29	617.05	885,028.64
74	22.70	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 Engineer-in-charge				
		(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 Engineer-in-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 300x300 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".				
	22.7.1	With average thickness of 120 mm and minimum thickness at khurra as 65 mm.	sqm	1368.99	1,684.60	2,306,200.55
75	12.55	Providing and fixing Heat Resistant Terrace Tiles (300 mm x 300 mm x 20 mm) with SRI (solar refractive index) > 78, solar reflection > 0.70 and initial emittance > 0.75 on waterproof and sloped surface of terrace, laid on 20 mm thick cement sand mortar in the ratio of 1 :4 (1 cement : 4 coarse sand) and grouting the joints with mix of white cement & marble powder in ratio of 1 :1, including rubbing and polishing of the surface upto 3 cuts complete, including providing skirting upto 150 mm height along the parapet walls in the same manner.				-
			sqm	1368.99	1,703.95	2,332,690.51
		Total Amount Civil Work DSR-2023				371,613,779.71
		Multiplying Factor .973 on PAR 2023 as per CPWD Circular 62 (SE)/TAS/2024-06-Hi. Dated 03.01.2025				361,580,207.66
		Add Cost Index @ 3% on PAR-2023 as on Date 17.06.2025 as per CPWD Circular DG/cost index/12 Dated 17.06.2025				10,847,406.23

Proposed Construction of Bank of Baroda's Residential Building at Plot No.03, H Block, Manoharpura, Sidhharth Nagar, Jaipur
BILL OF QUANTITIES

BILL OF QUANTITIES (MAIN BLOCK, CIVIL WORKS)						
S.No.	DSR Item No.	DESCRIPTION OF ITEM	UNIT	BOQ Qty	RATE	Amount (Rs)
1	2.00	3	5	4	6.00	7.00
		Total Amount Civil Work DSR-2023				372,427,613.89
		Non-Schedule Item Civil Work				
76	MR-1 (Civil)	EXTERNAL PAINTING TEXTURE PAINTING a) Preparing the existing surface by scrapping and rubbing with sandpaper to remove all loose adhered particles followed by washing with water using mechanised water jet using wire brush to ensure thorough cleaning. b) Filling of crack up to 5 mm with Berger Home Shield Crack fill paste/ Asian Paints Textured Crack filler or equivalent and using Polymer Modified Concrete for cracks above 5 mm including holes and dents. c) Providing and applying one coat of water based acrylic anti fungal Primer of approved quality and make as per sample approved on required surfaces. d) Providing and applying two coat of fibre reinforced membrane paint water proofing Coat/Base Coat of "Ultima Protek Suprema of Asian/ "HS Damp Stop Elasto" of Berger / "Aqua Touch" of ICI or equivalent approved by the Architect / Engineer. e) 1 coat of Crosstex texture with the help of trowel of 2-3 mm thickness . AP APEX DURACAST CROSS TEX - ECO (Asian), Ruff N' Tuff-Scratch ECo-Standard (Berger) or equivalent				-
		f) Providing and applying 2 top coats of approved quality Exterior grade having anti fungal property, resistance to dust & dirt accumulation, resistance to fading of colours etc. of approved colour and shade AP APEX ULTIMA PROTEK SUPREMA (Asian) / WC Long Life Platina P0BS (Berger) / or equivalent approved by the Architect / Engineer. Rates to include cleaning afterwards, necessary double bamboo scaffolding / Cradle, debris safety netting, labour etc complete. The -10- year warranty through OEM is required for all painted surface. The warranty certificate must be issued by OEM. Make: Asian Paints Ultima Protek / Berger Weathercoat Long Life or approved equivalent.	sqm	7466.79	600.00	4,480,074.00
		Total Amount Civil Work Non-Schedule				4,480,074.00
		PLUMBING WORKS				
		Sanitary Installation (As per D.S.R.)				
77.00	17.10	Providing and fixing Stainless Steel A ISI 304 (18/8) kitchen sink as per IS: 13983 with CI brackets and stainless steel waste with plug 40mm including painting of fittings and brackets, cutting and making good the walls wherever required.				
	17.10.2	Kitchen Sink without drain board				
	17.10.2.2	610X460 mm bowl depth 200mm.	Each	64.00	3,873.80	247,923.20
78.00	17.78	Providing and fixing white vitreous china Extended Wall Mounted water closet (European type W.C. pan) with seat and lid, Size 780x 370x 690 mm with Dual flush system (3/ 6 ltr)	Each	132.00	14,999.15	1,979,887.80
79.00	17.16A	Providing and fixing 8 mm dia C.P./S.S. Jet with flexible tube upto 1 metre long with S.S. triangular plate to European type W.C. of quality and make as approved by Engineer - in-charge	Each	132.00	349.15	46,087.80
	17.70	Providing and fixing PTMT Bottle Trap for Wash basin		-		-
80.00	17.70.1	Bottle trap 31mm single piece moulded with height of 270 mm, effective length of tail pipe 260 mm from the centre of the waste coupling, 77 mm breadth with 25 mm minimum water seal, weighing not less than 260 gms.	Each	64.00	367.10	23,494.40
81.00	17.7.4	White Vitreous China Flat back wash basin with single 15 mm C.P. brass pillar tap	Each	158.00	1,879.20	296,913.60
82.00	17.80	P & F White Vitreous China Pedestal for Was basin Completely at the back for the reception of pipe & iting	Each	158.00	1,683.35	265,969.30
83.00	17.28	Providing & fixing PVC waste pipe for sink including PVC waste fitting Complete		-		-
	17.28.2	Flexible Pipe		-		-
	17.28.2.2	40mm Dia	Each	158.00	119.55	18,888.90
84.00	17.31	Providing and fixing 600x450 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.	Each	158.00	1,607.95	254,056.10
85.00	18.49	Providing and fixing C.P. brass bib cock of approved quality conforming to IS:8931 .		-		-
	18.49.1	15mm nominal bore	Each	132.00	506.80	66,897.60
86.00	18.50	Providing and fixing C.P. brass long nose bib cock of approved quality conforming to IS standards and weighing not less than 810 gms.		-		-
	18.50.1	15mm nominal bore	Each	158.00	820.70	129,670.60
87.00	18.53	Providing and fixing C.P. brass angle valve for basin mixer and points of approved quality conforming to IS:8931		-		-
	18.53.1	15 mm nominal bore	Each	317.00	500.35	158,610.95
		Internal Drainage Installations (As per D.S.R.)		-		-
				-		-
88.00	18.58	Providing and fixing SS grating of approved quality and colour		-		-
	18.58.1	Circular type		-		-
	18.58.1.2	125 mm nominal dia with 25mm waste hole.	Each	177.00	45.25	8,009.25
		100 mm nominal dia with 25mm waste hole.	Each	180.00	45.25	8,145.00
		Water Supply Installations (As per D.S.R.)		-		-
				-		-
89.00	18.80	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes having the thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamps at 1.00 m spacing, this includes jointing of pipes and fittings with one step CPVC solvent cement and the cost of cutting chases and making good the wall same including testing of joints complete as per the direction of engineer incharge		-		-
		Concealed work including cutting chases and making good the wall etc.		-		-
	18.8.1	15 mm nominal dia pipes	Metre	150.00	441.15	66,172.50
	18.8.2	20 mm nominal dia pipes	Metre	1,250.00	513.75	642,187.50
	18.8.3	25 mm nominal dia pipes	Metre	250.00	626.05	156,512.50
	18.8.4	32 mm nominal dia pipes	Metre	360.00	712.75	256,590.00
	18.8.5	40 mm nominal dia pipes	Metre	-		-
	18.8.6	50 mm nominal dia pipes	-	-		-
		Total Amount Plumbing DSR-2023				4,626,017.00

Proposed Construction of Bank of Baroda's Residential Building at Plot No.03, H Block, Manoharpura, Sidhharth Nagar, Jaipur
BILL OF QUANTITIES

BILL OF QUANTITIES (MAIN BLOCK, CIVIL WORKS)						
S.No.	DSR Item No.	DESCRIPTION OF ITEM	UNIT	BOQ Qty	RATE	Amount (Rs)
1	2.00	3	5	4	6.00	7.00
		Multiplying Factor .973 on PAR 2023 as per CPWD Circular 62 (SE)/TAS/2024-06-HI. Dated 03.01.2025				4,501,114.54
		Add Cost Index @ 3% on PAR-2023 as on Date 17.06.2025 as per CPWD Circular DG/cost index/12 Dated 17.06.2025				135,033.44
		Total Amount Plumbing DSR-2023				4,636,147.98
		Plumbing Work Non Schedule Item				
90.00	MR-1 (Plumbing)	Providing and fixing SS swivelling shower 200 mm long, 15 mm nominal bore, 125 mm dia	Each	106.00	1,961.00	207,866.00
		Sanitary Installations work (Non-Scheduled Items)		-		
91.00	MR-2 (Plumbing)	Providing and fixing 10 mm glass conner shelf in 2 tear	Each	156.00	2,452.00	382,512.00
92.00	MR-3 (Plumbing)	Providing & fixing stainless steel robe plate/pegs (hook) having three pegs (hook) in one strip (weight shall not be less than 120 grams) of superior quality with necessary screws etc. complete.	Each	88.00	965.00	84,920.00
93.00	MR-4 (Plumbing)	Providing and fixing C.P. brass swan neck foam flow pillar cock of approved quality and conforming to IS standards.		-		
		a) 15 mm nominal dia	Each	88.00	2,387.00	210,056.00
94.00	MR-5 (Plumbing)	Providing and fixing C.P. brass long body nozzle bib cock of approved quality conforming to IS standards and weighing not less than 810 gms. For sink		-		
		15 mm nominal bore	Each	176.00	2,865.00	504,240.00
95.00	MR-6 (Plumbing)	Providing and fixing C.P. brass body nozzle bib cock (two way) of approved quality conforming to IS standards and weighing not less than 810 gms.		-		
		15 mm nominal bore	Each	176.00	1,727.00	303,952.00
96.00	MR-7 (Plumbing)	Providing & fixing stainless steel butterfly robe pegs (hook) having three hooks of superior quality with necessary screws etc. complete.	Each	10.00	1,533.00	15,330.00
97.00	MR-8 (Plumbing)	Providing, fixing, jointing and testing in position of ISI marked UV stabilized uPVC pipes for soil, waste, and vent, Type-B as per IS : 13592 suitable for rubber ring joints, including all necessary specials and fittings (confirming to IS:14735) i.e. bends, tees, junctions (with or without doors), reducers, WC connectors, couplers, expansion joints / bellows, cowels, clamps, rubber rings, clean outs etc. fixing at wall/ ceiling/ floor level supported by clamp & hangers etc. in concealed / inside duct / under floor & basement ceiling / external work etc. embedding the pipes laid under floors / building in 75 mm. around 1:2:4 cement concrete (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) including cost of shuttering for proper completion of the work, breaking and making good the walls and floors etc. after pipes have been duly laid and tested. The rubber ring shall conform to IS:5382. The Pipes will be supported with threaded G I rods & U clamps with nuts, washers etc on 50x50x5 mm slotted angle. The cost will include all support arrangements. The work includes commissioning of all pipes lines as per drawings and specifications and as directed by engg-in-charge at site.		-		
		400Ø- 6 kg	Metre	150.00	568.00	85,200.00
		500Ø - 6 kg	Metre	120.00	615.00	73,800.00
		750Ø - 6 kg	Metre	650.00	811.00	527,150.00
		1100Ø - 10 kg	Metre	1,100.00	1,137.00	1,250,700.00
		1600Ø- 10 kg	Metre	1,500.00	1,784.00	2,676,000.00
98.00	MR-9 (Plumbing)	Providing and fixing UPVC, P or S trap of self cleaning design with / without vent arm setting in cement concrete 1:2:4 mix complete including cost of cutting & making good the wall and floors wherever required.		-		
		110 mm inlet & 110 mm outlet	Each	248.00	1,392.00	345,216.00
99.00	MR-10 (Plumbing)	Providing and fixing uPVC floor drain with uPVC reducing elbow including all fitting and accessories all complete		-		
		110 mm OD x 63 mm OD	Each	320.00	799.00	255,680.00
100.00	MR-11 (Plumbing)	Providing and fixing of uPVC Waste pipes 6 kg/cm2 (IS: 4985:2000) including with all fittings e.g. couplings, tees, bends, reducers and screwed adoptors jointing with solvent cement as per Manufacturer's specifications complete including cutting holes or chases in wall and making good the same wherever required. (Waste pipe from fixtures).		-		
		40 mm OD	Metre	950.00	115.00	109,250.00
		Total Amount Plumbing Work Non-Schedule				7,031,872.00
		ELECTRICAL WORKS (Internal)				
		Internal Wiring				
		Point wiring in PVC conduit, with modular type switch :-				
101.00	1.30	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS/HFFR PVC insulated copper conductor single core cable in surface/ recessed steel conduit, with modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm FRLS/HFFR PVC insulated copper conductor single core cable etc. as required				
	1.3.1	Group A	Point	3,077.00	1,440.00	4,430,880.00
102.00	1.55	Wiring for group controlled (looped) light point/ fan point/ exhaust fan point/ call bell point (without independent switch etc) with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed PVC conduit, and earthing the point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable etc as required. (Note: .)				
	1.55.2	Group B	Point	748.00	885.00	661,980.00
103.00	1.12	Circuit / Sub main wiring in PVC conduit :-	Metre	5,004.00	373.00	1,866,492.00
104.00	1.13	Wiring for light/ power plug with 4X4 sq. mm FRLS PVC insulated copper conductor single core cable in surface/ recessed medium class PVC conduit alongwith 2 No. 4 sq. mm FRLS PVC insulated copper conductor single core cable for loop earthing as required.	Metre	1,668.00	587.00	979,116.00
				-	-	
		Circuit / Sub main wiring in PVC conduit :-		-	-	
105.00	1.14	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as required.		-	-	
	1.14.1	2 X 1.5 sq. mm + 1 X 1.5 sq. mm earth wire.	Metre	9,320.00	267.00	2,488,440.00
	1.14.10	4 x 10 sq.mm. + 2 x 6 sq.mm. Earth wire	Metre	1,750.00	1,078.00	1,886,500.00
				-	-	
106.00	1.31	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 3 pin 5/6 A modular socket outlet and 5/6 A modular switch, connections etc. as required.	Each	672.00	545.00	366,240.00
				-	-	
		S/F power plug point modular Type Accessories :-		-	-	

Proposed Construction of Bank of Baroda's Residential Building at Plot No.03, H Block, Manoharpura, Sidhharth Nagar, Jaipur
BILL OF QUANTITIES

BILL OF QUANTITIES (MAIN BLOCK, CIVIL WORKS)						
S.No.	DSR Item No.	DESCRIPTION OF ITEM	UNIT	BOQ Qty	RATE	Amount (Rs)
1	2.00	3	5	4	6.00	7.00
107.00	1.32	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 6 pin 5/6 & 15/16 A modular socket outlet and 15/16 A modular switch, connections etc. as required.	Each	332.00	659.00	218,788.00
				-	-	
				-	-	
108.00	1.38	Supplying and fixing call bell/ buzzer suitable for single phase, 230 V, complete as required.	Each	96.00	112.00	10,752.00
		Distribution Boards & MCB'S		-	-	
109.00	2.10	Supplying and fixing 5 A to 32 A rating, 240/415 V, 10 kA, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as Required.		-	-	
	2.10.1	Single pole	Each	1,210.00	285.00	344,850.00
	2.10.5	Triple pole and neutral	Each	2.00	1,301.00	2,602.00
				-	-	-
110.00	2.40	Supplying and Fixing Following way, Horizontal Type Three Pole and Neutral, Sheet Steel, MCB Distribution Board, 415 V , on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/Isolator).		-	-	
	2.4.2	6 Way (4 + 18), Double Door	Each	1.00	5,299.00	5,299.00
	2.4.3	8 Way (4 + 24), Double Door	Each	49.00	6,337.00	310,513.00
				-	-	
				-	-	
111.00	2.13	Supplying and fixing following rating, four pole, 415 V, isolator in the existing MCB DB complete with connections, testing and commissioning etc. as Required.		-	-	
	2.13.1	40 Amps	Each	1.00	1,049.00	1,049.00
	2.13.2	63 Amps	Each	49.00	1,115.00	54,635.00
112.00	2.14	Supplying and fixing following rating, double pole, (single phase and neutral), 240 V, residual current circuit breaker (RCCB) , having a sensitivity current 30 mA in the existing MCB DB complete with connections, testing and commissioning etc. as Required.		-	-	
	2.14.2	40 Amps	Each	3.00	2,512.00	7,536.00
	2.14.3	63 Amps	Each	147.00	2,866.00	421,302.00
113.00	2.15	Supplying and fixing following rating, Four pole, (Three phase and neutral), 415 V, residual current circuit breaker (RCCB) , having a sensitivity current 30 mA in the existing MCB DB complete with connections, testing and commissioning etc. as required.		-		
114.00	2.23	Supplying and fixing Cable End Box (Loose Wire Box) suitable for following single pole and neutral, sheet steel, MCB distribution board, 240 Volts, on surface/ recess, complete with testing and commissioning etc. as required.		-		
	2.23.2	For 8 way, Double door SPN MCB DB	Each	1.00	918.00	918.00
115.00	2.24	Supplying and fixing Cable End Box (Loose Wire Box) suitable for following tripole pole and neutral, sheet steel, MCB distribution board, 415 Volts, on surface/ recess, complete with testing and commissioning etc. as required.		-		
	2.24.2	For 6 way, Double door TPN MCBDB	Each	1.00	1,223.00	1,223.00
	2.24.3	For 8 way, Double door TPN MCBDB	Each	49.00	1,448.00	70,952.00
116.00	2.16	Supplying and fixing DP sheet steel enclosure on surface/recess along with 25/32 A 240V "C" Curve DP MCB complete with connections, testing and commissioning etc. as required. (For Qtrs Emergency Supply)	Each	1.00	1,258.00	1,258.00
		Telephone, Television & Data System (Socket,Wiring & Conduiting Only)		-	-	
				-	-	
		S/F Modular Boxes, Base & Cover Plate :-		-	-	
117.00	1.27	Supplying and Fixing Following Size/ Modules, GI Box Alongwith Modular Base & Cover Plate for Modular Switches in Recess etc. as Required.		-	-	
	1.27.1	1 or 2 Module (75 mm x 75 mm)	Each	404.00	354.00	143,016.00
		S/F Modular Type Switch / Socket :-		-	-	
118.00	1.24	Supplying and Fixing Following Modular Switch/ Socket on The Existing Modular plate & Switch Box including connections But Excluding Modular Plate etc. as required.		-	-	
	1.24.6	Telephone Socket outlet.	Each	52.00	168.00	8,736.00
	1.24.7	TV Antenna socket outlet.	Each	176.00	168.00	29,568.00
	1.24.8	Bell push	Each	176.00	159.00	27,984.00
119.00	1.21	Supplying and fixing of following sizes of medium class PVC conduit along with accessories in surface/recess including cutting the wall and making good the same in case of recessed conduit as required.		-	-	
	1.21.1	20 mm.	Metre	4,560.00	151.00	688,560.00
	1.21.2	25 mm.	Metre	1,760.00	168.00	295,680.00
				-	-	
120.00	1.18	Supplying and drawing following pair 0.5 mm dia FRLS PVC insulated annealed copper conductor, Unarmored Telephone cable in the existing surface/ recessed steel/ PVC conduit as required.		-	-	
	1.18.2	2 Pair	Metre	1,300.00	39.00	50,700.00
				-	-	
121.00	1.19	Supplying and drawing co-axial TV cable RG-6 grade, 0.7 mm solid copper conductor PE insulated, shielded with fine tinned copper braid and protected with PVC sheath in the existing surface/ recessed steel/ PVC conduit as required.	Metre	3,520.00	54.00	190,080.00
				-	-	
122.00	1.53	Supplying and drawing of UTP 4 pair CAT 6 LAN Cable in the existing surface/ recessed Steel/ PVC conduit as required.		-	-	
	1.53.1	1 run of cable	Metre	3,520.00	60.00	211,200.00
		Erection Of Lighting Fixtures And Fans		-	-	-
				-	-	-
123.00	1.45	Installation, Testing and Commissioning of ceiling fan, including wiring the down rods of standard length (upto 30 cm) with 1.5 sq. mm FRLS/HFFR PVC insulated, copper conductor, single core cable, including providing and fixing phenolic laminated sheet cover on the fan box etc. as required	Each	400.00	332.00	132,800.00

Proposed Construction of Bank of Baroda's Residential Building at Plot No.03, H Block, Manoharpura, Sidhharth Nagar, Jaipur
BILL OF QUANTITIES

BILL OF QUANTITIES (MAIN BLOCK, CIVIL WORKS)						
S.No.	DSR Item No.	DESCRIPTION OF ITEM	UNIT	BOQ Qty	RATE	Amount (Rs)
1	2.00	3	5	4	6.00	7.00
124.00	1.41	Installation, testing and commissioning of pre-wired, fluorescent fitting / compact fluorescent fitting of all types, complete with all accessories and tube/lamp etc. directly on ceiling/ wall, including connections with 1.5 sq. mm FRLS PVC insulated, copper conductor, single core cable and earthing etc. as required.	Each	2,501.00	259.00	647,759.00
	1.50.1	Upto 450 mm sweep	Each	176.00	556.00	97,856.00
		S/F modular type electronic fan regulator:		-		
125.00	1.25	Supplying and fixing Two Module Stepped Type Electronic Fan Regulator on the existing modular plate switch box including connections but excluding modular plate etc. as required.	Each	400.00	402.00	160,800.00
		Fixing Louvers / Shutters for Exhaust Fan:		-		
126.00	1.51	Extra for Fixing the Louvers/ Shutters Complete with Frame for a Exhaust Fan of all sizes.	Each		260.00	-
		Extra Down GI Pipe 15mm Dia:		-		
127.00	1.47	Supplying and Fixing Extra Down Rod of 10 cm Length G.I pipe, 15 mm dia, heavy gauge including painting etc. as required. (Note : More than 5 cm length shall be rounded to the nearest 10 cm and 5 cm or less shall be ignored).	Each	400.00	53.00	21,200.00

Proposed Construction of Bank of Baroda's Residential Building at Plot No.03, H Block, Manoharpura, Sidhharth Nagar, Jaipur
BILL OF QUANTITIES

BILL OF QUANTITIES (MAIN BLOCK, CIVIL WORKS)						
S.No.	DSR Item No.	DESCRIPTION OF ITEM	UNIT	BOQ Qty	RATE	Amount (Rs)
1	2.00	3	5	4	6.00	7.00
128.00	8.10	LED Batten light (System lumen efficacy >135 lm/Watt) Supplying, installation, Testing & Commissioning of LED surface mounted Batten light of following body material and construction as per IS : 10322 with driver (Replaceable) as per the requirement with Driver efficiency >85%, Operating voltage AC 140-270 Volt, frequency 50/60 Hz, Operating temp range -5 0C to 40 0C, internal surge protection of 2.5 KV with Short & Open circuit protection ,THD < 10% , P.F.≥0.95, IP20, CRI >80, Flicker free (flicker should be below 5 %), life time (LED, Driver & electrical circuitry), of minimum 50000 Burning Hours with 70% of initial Lumen maintained till life ends, CCT 3000°K / 4000°K / 5700°K / 6500°K (As per ANSI Bin), SDCM(Standard Deviation Color Matching) <3, Maximum power consumption should not more than the specified rating and Fixture shall be of relevant BIS standard. Manufactures Word Mark/ Name Engraved/ Embossing/ Screen printing on housing complete in all respect i/c external connections with 1.5 sq mm FRLS/HFFR, PVC insulated copper conductor single core cable and earthing etc. as required with Minimum 5 year OEM warranty. System lumen efficacy >135 lm/Watt output . LM79 & LM80 Test report and all testing required for LED fixtures as per BIS shall be submitted. Shape size and CCT shall be as approved by Engineer-in-Charge as per requirement. (Thermal management: heat sink of aluminium housing such that LED junction temperature shall not rise above 90°C).				
	8.11.1	18-22 Watt	Each	741.00	787.00	583,167.00
		SUPPLY FANS & EXHAUST FANS		-		
129.00	9.10	Supply, Installation, Testing and Commissioning of ceiling fan with Brush Less Direct Current (BLDC) Motor, class of insulation: B, 3 nos. metal/Aluminium alloy blades, 30 cm long down rod, 2 nos. canopies, shackle kit, safety rope, copper winding, steel/Al body, Power Factor not less than 0.9, Service Value (CM/M/W) minimum as below, 350 RPM (tolerance as per IS : 374-2019), THD (Total Harmonic Distortion) less than 10%, remote (preferably mobile app based) for speed control and all remaining accessories including safety pin, nut bolts, washers, temperature rise=75 0C (max.), insulation resistance more than 2 mega ohm, suitable for 230 V, 50 Hz, single phase AC supply Ceiling Fan compliant to IS 374:2019 fan i/c external connections with 1.5 sq.mm FRLS/HFFR, PVC insulated copper conductor single core cable and earthing etc. as required.		-		
	9.1.3	1200mm, service value ≥ 6.0 CM/Min/Watt, air delivery 210 CM/Min (Minimum	Each	400.00	2,882.00	1,152,800.00
130.00	8.30	LED Down lighter (SMD Type) (System lumen efficacy >135lm/Watt) Supplying, Installation, Testing & Commissioning of LED Recessed/surface Down lighter (Round /square/Rectangular) SMD type of following body material with PMMA and prismatic diffuser and construction as per IS : 10322 with driver as per the requirement with Driver efficiency >85%, Operating voltage AC 140-270 Volt, frequency 50/60 Hz, Operating temp range - 5 0C to 40 0C, internal surge protection of 2.5 KV with Short & Open circuit protection ,THD < 10% , P.F.≥0.95, IP20, CRI >80, UGR (Unified Glare Rating) < 19, Flicker free, (flicker should be below 5 %), life time (LED, Driver & electrical circuitry), life time of minimum 50000 Burning Hours with 70% of initial Lumen maintained till life ends as per LM80 extrapolation IES TM-21-11 report, CCT 3000°K/ 4000°K /5700°K / 6500°K (As per ANSI Bin), SDCM(Standard Deviation Color Matching) <3, Maximum power consumption should not more than the specified rating and Fixture shall be of relevant BIS standard. Manufactures Word Mark/ Name Engraved/ Embossing/ Screen printing on housing, complete in all respect i/c external connections with 1.5 sq mm FRLS/HFFR, PVC insulated copper conductor single core cable and earthing etc. as required with Minimum 5 year OEM warranty. System lumen efficacy >135 lm/Watt output. LM79 & LM80 Test report and all testing required for LED fixtures as per BIS shall be submitted. Shape size and CCT shall be as approved by Engineer-in-Charge as per requirement. (Thermal management: heat sink of aluminium housing such that LED junction temperature shall not rise above 90°C). Powder coated die cast /Extruded aluminium Body including trim .				
	8.3.3	18 watt	Each	800.00	1,004.00	803,200.00
		Total Amount Internal Electrical Works DSR-2025				19,376,431.00
		Internal Lighting Fixtures & Fans Non-Schedule Item				
131.00	MR-1 (EL Fixtures)	Supplying, Installation, Testing and commissioning of RJ45 Connector for CAT 6/6A Cables, RJ45 modular plug supports 4 twisted pairs, 8 positions, 8 connectors. Housing: PC, UL94V-2, transparent color, Use for 24- 26 AWG stranded wires etc. complete as required.	Each	176.00	189.00	33,264.00
132.00	MR-2 (EL Fixtures)	Supplying and fixing brass batten/ angle holder including connection etc. as required.	Each	440.00	288.00	126,720.00
133.00	MR 3 (EL Fixtures)	Supply, of Linear & Compact 10W Mirror Light with Decorative Grey Caps, Polycarbonate Body & Ribbed Opal Diffuser. (Technical Data - System power 10W, CRI ≥80, Power Factor ≥0.95, System Luminous Efficacy ≥100)	Each	120.00	262.00	31,440.00
134.00	MR4 (EL Fixtures)	Supply of following sweep heavy duty metal body exhaust fan/wall fan/ fresh air (ventilating) plastic body fan with guard suitable operation on single phase 230 V, 50Hz AC Supply, with lowers / shutters in the existing opening. (Crompton - Trans Air 300/200mm/Approved Equivalent in Usha/Havells/Bajaj)		-		
		(a) 200 mm sweep 900 RPM (in plastic body)/Ventilating fan fan	Nos	128.00	991.00	126,848.00
		(c) 300 mm sweep 900 RPM (In metal body) exhaust fan	Nos	48.00	2,756.00	132,288.00
		Total Amount Internal Lighting and Fixtures NON DSR				450,560.00
		FIRE HYDRANTS & SPRINKLER SYSTEM DSR-2025				
135.00	DSR-2025- 27-7	Providing, laying, testing & commissioning of 'C' class heavy duty MS pipe conforming to IS 3589/IS 1239 including Welding, fittings like elbows, tees, flanges,tapers, nuts bolts, gaskets etc. and fixing the pipe on the wall/ceiling with suitable clamp/support frame and painting with two or more coats of synthetic enamel paint of required shade complete as required :				
	DSR-2025- 27-7.1	25 mm dia	meters	10.00	920.00	9,200.00
	DSR-2025- 27-7.2	32 mm dia	meters	10.00	1,039.00	10,390.00

Proposed Construction of Bank of Baroda's Residential Building at Plot No.03, H Block, Manoharpura, Sidhharth Nagar, Jaipur
BILL OF QUANTITIES

BILL OF QUANTITIES (MAIN BLOCK, CIVIL WORKS)						
S.No.	DSR Item No.	DESCRIPTION OF ITEM	UNIT	BOQ Qty	RATE	Amount (Rs)
1	2.00	3	5	4	6.00	7.00
	DSR-2025- 27-7.3	40 mm dia	meters	10.00	1,259.00	12,590.00
	DSR-2025- 27-7.5	65 mm dia	meters	50.00	1,955.00	97,750.00
	DSR-2025- 27-7.6	80 mm dia	meters	200.00	2,277.00	455,400.00
	DSR-2025- 27-7.7	100 mm dia	meters	200.00	3,077.00	615,400.00
	DSR-2025- 27-7.8	150 mm dia	meters	365.20	4,299.00	1,569,994.80
						-
						-
136	DSR-2025- 27-11	Supplying, fixing, testing and commissioning of butterfly valve of PN 1.6 rating with bronze/gunmetal seat duly ISI marked complete with nuts, bolts, washers, gaskets conforming to IS 13095 of following sizes as required :				-
i)	DSR-2025- 27-11.6	150 mm dia	Each	4.00	9,737.00	38,948.00
ii)	DSR-2025- 27-11.5	100 mm dia	Each	5.00	7,271.00	36,355.00
iii)	DSR-2025- 27-11.4	80mm dia	Each	29.00	5,406.00	156,774.00
						-
137	DSR-2025- 27-14	Providing, installation, testing and commissioning of non-return valve of following sizes conforming to IS:5312 complete with rubber gasket, GI bolts, nuts,washers etc as required :				-
i)	DSR-2025- 27-14.7	150 mm dia	Each	5.00	18,884.00	94,420.00
ii)	DSR-2025- 27-14.5	100 mm dia	Each	5.00	11,853.00	59,265.00
iii)	DSR-2025- 27-14.4	80 mm dia	Each	5.00	8,255.00	41,275.00
138	DSR-2025- 27-9	Supplying and fixing single headed internal hydrant valve with instantaneous Gunmetal/Stainless Steel coupling of 63 mm dia with cast iron wheel ISI marked conforming to IS 5290 (Type -A) with blank Gunmetal/Stainless Steel cap and chain as required :				-
	DSR-2025- 27-9.1	Single headed Gunmetal	Each	20.00	8,208.00	164,160.00
139	DSR-2025- 27-10	Supplying and fixing Single headed external yard hydrant valve with 1 No. 63 mm dia instantaneous FM Gunmetal/Stainless Steel coupling and cast iron wheel ISI marked, conforming to IS 5290 (type A) with blank gunmetal/Stainless Steel cap and chain as required :				-
i)	DSR-2025- 27-10.1	Single headed Gunmetal	Each	8.80	8,208.00	72,230.40
						-
140	DSR-2025- 27-23	Providing & fixing flow switch in following sizes M.S.pipe including connection etc as required.				-
	DSR-2025- 27-23.2	150 mm dia	Each	2.20	9,644.00	21,216.80
141	DSR-2025- 27-17	Supplying and fixing first-aid Hose Reel with MS construction spray painted in post office red,conforming to IS 884 complete with the following as required.				-
		20 mm nominal internal dia water hose thermoplastic (Textile reinforced) type -2 as per IS: 12585				-
		20 mm nominal internal dia gun metal globe valve & nozzle.				-
		Drum and brackets for fixing the equipments on wall.				-
		Connections from riser with 25 mm dia stop gun metal valve & M.S. Pipe and socket.				-
142	DSR-2025- 27-17.2	40 m	Each	38.50	17,034.00	655,809.00
						-
143	DSR-2025- 27-16	Supplying and fixing 63 mm dia, 15 m long RRL hose pipe with 63 mm dia male and female couplings duly bound with GI wire, rivets etc. conforming to IS 636 (type-A) as required :				-
	DSR-2025- 27-16.1	Gun Metal	Each	29.00	5,455.00	158,195.00
144	DSR-2025- 27-18	Supplying & fixing 63 mm dia gun metal short branch pipe with 20 mm nominal internal diameter size nozzle conforming to IS 903 suitable for instantaneous connection to interconnect hose pipe coupling as required :				-
	DSR-2025- 27-18.1	Gun Metal	Each	5.00	4,977.00	24,885.00
145	27-13	Supplying and fixing orifice plate made out of 6 mm thick stainless steel (Grade 304) with orifice of required size to be fitted between flange & landing valve of external and internal hydrants to reduce pressure at the outlet to the level of 3.5 kg/cm 2 complete as required.	Each	5.00	1,436.00	7,180.00
146	27.19	Supplying and fixing of fire brigade connection of cast iron body with gun metal male instantaneous inlet couplings complete with cap and chain as reqd. for suitable dia MS pipe connection conforming to IS 904 as required :				-
	27.19.1	2 way-100 mm dia M.S. Pipe	Each	1.00	7,262.00	7,262.00
	27.19.2	4 way - 150 mm dia M.S. Pipe	Each	1.00	14,820.00	14,820.00
		Total Amount Internal Fire -Fighting Work DSR-2025				4,323,520.00
		Internal Fire Fighting Work Non-Schedule				
147	MR-1 (FF)	Providing & fixing angle iron (40 mm x 40 mm x 5mm) door frame and MS sheet (2mm thick) cum glass shutter of size 2.1 mtr. X 1.2 mtr. (N.S.) with 25 mm x 25 mm x 3 mm angle fram all around & stiffened in between i/c hinges, handle, locking arrangement, painting with approved synthetic enamel paint i/c sign writing on grass at internal hydrant including providing & fixing M.S.Sheet 2 mm thick on remaining portion above door to close opening i/c painting etc. as required.	Each	29.00	16,447.00	476,963.00
148	MR-2 (FF)	Providing and fixing standard fire man's axe (Tested for 20000 volts) with heavily insulated rubber handle (ISI marked)	Each	29.00	2,536.00	73,544.00
149	MR-3 (FF)	Providing & fixing dial type pressure gauge (dial diameter 100 mm, calibration 0-15 kg/sqcm) with ball valve and pipe at hydrant station.	Each	38.50	932.00	35,882.00
150	MR-4 (FF)	Providing, fixing and installation of 25mm dia gunmetal inspecting & testing assembly with ball valve, gunmetal sight glass, bye pass valve & connected to drain line complete in all respects. (Flow switch shall be set to activate between 30 to 60 second upon opening of the test valve.)	Each	5.00	3,084.00	15,420.00
151	MR-5 (FF)	Providing and fixing MS cabinet (size 600 x 450 x 150 mm) fabricated from 16 gauge MS sheet with full front glass door & locking arrangement with suitable shelves for keeping 60 Nos. spare sprinklers & one no. spanner properly fixed in shelves. Cabinet shall be painted with enamel paint of approved shade. (Cost shall include 25 Nos. (Pendent 15 Nos, upright 5 & extended through Side wall 5 Nos) spare sprinklers & one No. spanner).	Each	5.00	11,650.00	58,250.00
152	MR-6 (FF)	Providing and fixing gunmetal single acting air release valve for each risers with screwed inlet with ball valve as per IS : 12992 rated for 16 Kg/cm2 pressure rating. (25 mm dia)	Each	2.20	2,124.00	4,672.80
153	MR-7 (FF)	Providing and fixing in position approved make fire bucket of 24 gauge, galvanized steel, standard 9 liters capacity and of round bottom shape, painted white inside and red outside and black on bottom dome with letters "FIRE" in black and gold with all mounting bracket and screws.	Each	5.00	1,782.00	8,910.00
154	MR-8 (FF)	Providing and fixing of fire Bucket Stand including sheet metal (16 gauge) shade for 4 buckets. Platform and associated civil works complete.	Each	5.00	10,965.00	54,825.00

Proposed Construction of Bank of Baroda's Residential Building at Plot No.03, H Block, Manoharpura, Sidhharth Nagar, Jaipur
BILL OF QUANTITIES

BILL OF QUANTITIES (MAIN BLOCK, CIVIL WORKS)						
S.No.	DSR Item No.	DESCRIPTION OF ITEM	UNIT	BOQ Qty	RATE	Amount (Rs)
1	2.00	3	5	4	6.00	7.00
155	MR-9 (FF)	Providing and fixing of ISI marked Portable Fire Extinguisher, CO2 type of 4.5 Kg capacity flat base conforming to IS: 15683 : 2006 including valve, discharge hose of not less than 10mm dia. 1m long and complete in all respect including initial fill with CO2 gas conforming to IS: 307-1966 filled to a filling ratio of not more than 0.667 and wall suspension bracket.	Each	40.00	22,724.00	908,960.00
156	MR-10 (FF)	Providing and fixing of 6 Kg capacity Dry Chemical Powder, Portable Fire Extinguisher, dry powder type (Gas Cartridge) conforming to IS: 15683 : 2006 with cylinder initially fully charged with dry powder, ISI marked conforming to IS:15683 : 2006 complete with standard discharge valve with tube, CI bracket for wall mounting.	Each	10.00	16,556.00	165,560.00
157	MR-11 (FF)	Providing and fixing of ISI marked portable fire extinguisher Mech. Foam type capacity 9 liters conforming to IS: 15683 : 2006 with gunmetal cap and nozzle and complete in all respects including initial fill and wall suspension.	Each	10.00	11,362.00	113,620.00
158	MR-12 (FF)	Providing and fixing of ISI marked Fire and wall suspension bracket, Extinguisher, Trolley mounted carbon-dioxide type capacity 22.5 Kg. conforming to IS: 2878 Flat base including valve, discharge hose of not less than 10mm dia 1m long complete in all respects including wheeled trolley, carrying handle and initial fill with CO2 gas as per IS: 307-1996 filled to a filling ratio of not more than 0.667.	Each	4.00	89,087.00	356,348.00
159	MR-13 (FF)	Providing and fixing of ISI marked fire extinguisher Trolley mounted Mechanical Foam type capacity 50 liters with gunmetal cap and nozzle, trolley mounted and complete in all respects including initial fill.	Each	4.00	59,373.00	237,492.00
160	MR-14 (FF)	Providing & fixing ISI marked portable fire extinguisher, water Carbon dioxide (CO2) type of 9 liters capacity conforming to IS : 15683 : 2006 with gun metal cap and nozzle and complete in all respects including initial fill and wall suspension brackets.	Each	40.00	13,555.00	542,200.00
161	MR-15 (FF)	Providing & fixing of weather proof hose cabinets fabricated from 16 g M.S. sheet with full glass door and locking arrangement, suitable to accommodate 2 nos.15m long 63mm dia hose, 1 branch pipe, 1 No fire man's axe."Fire Hose" written on front including suitably mounted on a raised masonry platform as required, (Approx.size 0.75 m x 0.6m x 0.25m). Cabinet shall be provided with angle at the edges to reinforced the cabinet.	Each	29.00	6,168.00	178,872.00
162	MR-16 (FF)	Supply, installation, testing and commissioning of flanged, CI body installation control valve (ICV) complete with the following components and accessories: - a) Wet alarm valve flanged ends b) Hydraulic Alarm motor and gong assembly c) Sluice valves d) Lock and chain e) 50 mm dia GI pipe for drain f) 25 mm dia brass valve g) 50 mm dia brass valve and test assembly h) Pressure gauge and any other item or materials required for satisfactory functioning of the system. i) 150 mm diameter size installation control valve complete.	Each	1.00	287,820.00	287,820.00
		Total Amount Internal Fire Fighting Work Non-Schedule				3,519,338.80
		Passenger Capacity				
	21.10	Passenger Lift				
163.0		Supplying, Installation, Testing & Commissioning of following capacity passenger Machine room less (MRL) lift with regenerative drive as per CPWD General Specification for Electrical Works (Part-III Lift & Escalator) 2003, BIS Codes, NBC 2016 as amended upto date having provision for barrier free access as per Harmonised Guidelines & Standards for Universal Accessibility in India - 2021 of MoHUA, serving different floors in the lift shaft as per detailed specifications enclosed and as under including all other equipment and accessories complete as required:- (i) Speed-1 MPS (ii) Floors-5 (G+4) (iii) Travel -17 Meters (approx.) (iv) Stops & opening- 5 stops and 5 openings (v) Controller: A.C. variable voltage & variable frequency (vi) Automatic rescue device (ARD) complete with dry maintenance free batteries as required. (vii) Operation: Microprocessor based single automatic push button/simplex selective collective/duplex collective selective with/without attendant				
		(viii) Power-415 Volts+10%, 3 phase, 50 Hz, 4 wires system (ix) Car Enclosure: Stainless steel scratch proof (Moon Rock/Honeycomb/ Hairline Finish) on all sides and stainless steel decorative ceiling with fans (indirect throw) and LED fitting. (x) The car flooring should be smooth and antiskid as approved by engineer-in-charge. (xi) Type of doors (a) Car: Power operated, centre opening horizontal sliding stainless steel scratch proof (Moon Rock/Honeycomb/ Hairline Finish). (b) Landing doors: stainless steel scratch proof. (xii) A hand rail not less than 600mm long at 900mm above floor level to be fixed adjacent to control panel in the lift car. (xiii) Voice announcement system in the car to				
		announce the position of the elevator in the hoist way as the car passes or stops at floor served by the elevator. (xiv) Closed loop Control System, protection against power fluctuation, self diagnostic control, Landing doors 2 hours Fire rated, Overload detection and protection, Overspeed Governor, Dot Matrix LED D & P Indicators In Car & Landings, BMS Compatibility, tamper proof infrared curtain covering almost the entire height of the lift car door, Alarm horn, Anti Nuisance Operation, CCTV camera system with 4 MP IP camera, suitable NVR and HDD for 30 days storage backup . Firemen switch, 2/3 way intercom, Emergency Stop Switch with battery backup for fan and light fitting for 1 hour, pit ladder. (xv) The lift doors shall have a vision panel to enable persons with hearing impairment to signal for help or assistance in the event of an emergency. (xvi) An appropriate technological support be provided (Through emergency messaging [services or alarms etc.] to respond to the emergency requirements of person with hearing impairment or deafness. (xvii) In case of failure of ARD or other electronic devices, a provision of manual rescue be provided				
	21.1.1	13 Passenger (884kg.)	SET	4.00	1,684,225.72	6,736,902.88

Proposed Construction of Bank of Baroda's Residential Building at Plot No.03, H Block, Manoharpura, Sidhharth Nagar, Jaipur
BILL OF QUANTITIES

BILL OF QUANTITIES (MAIN BLOCK, CIVIL WORKS)						
S.No.	DSR Item No.	DESCRIPTION OF ITEM	UNIT	BOQ Qty	RATE	Amount (Rs)
1	2.00	3	5	4	6.00	7.00
	PAR 2025	Extra for each additional floor (after adding	Set	4.00	599,160.00	2,396,640.00
		Total Amount Lift				9,133,542.88
		EXTERNAL SEWERAGE SYSTEM				
164.0	2.10	Excavating trenches of required width for pipes, cables, etc including excavation for sockets, and dressing of sides, by mechanical/manual means ramming of bottoms, for all depth, 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 :				
	2.10.1	All kinds of soils		-		
	2.10.1.2	Pipes, cables etc. exceeding 80 mm dia. but not exceeding 300 mm dia	Metre	500.00	293.40	146,700.00
165	19.10	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 :				
	19.1.2	150 mm diameter	Metre	350.00	591.40	206,990.00
	19.1.4	250 mm diameter	Metre	300.00	1,293.90	388,170.00
166	19.30	Providing and laying cement concrete 1:5:10 (1 cement : 5 coarse sand : 10 graded stone aggregate 40 mm nominal size) up to including bed concrete as per standard design :				
	19.3.2	150 mm dia uPVCpipe	Metre	140.00	689.75	96,565.00
	19.3.4	250 mm dia uPVCpipe	Metre	120.00	943.90	113,268.00
167.00	19.20	Providing and laying cement concrete 1:5:10 (1 cement : 5 coarse sand : 10 graded stone aggregate 40 mm nominal size) all-round uPVC pipes including bed concrete as per standard design :				
	19.2.2	150 mm diameter uPVC pipe	Metre	210.00	1,095.15	229,981.50
	19.2.4	250 mm diameter uPVC pipe	Metre	180.00	1,476.35	265,743.00
168.00	19.70	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 (1cement : 1.5 coarse sand (zone-III) : 3 graded stone aggregate 20mm nominal size), foundation concrete 1:4:8 mix (1 cement : 4coarse sand (zone-III) : 8 graded stone aggregate 40 mm nominalsize), inside plastering 12 mm thick with cement mortar 1:3 (1 cement: 3 coarse sand) finished with floating coat of neat cement andmaking channels in cement concrete 1:2:4 (1 cement : 2 coarsesand : 4 graded stone aggregate 20 mm nominal size) finished witha floating coat of neat cement complete as per standard design :				
	19.7.1	Inside size 90x80 cm and 45 cm deep including C.I. cover with frame (light duty) 455x610 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) :				
		With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	each	20.00	11,530.20	230,604.00
169.00	19.7.2	Inside size 120x90 cm and 90 cm deep including C.I. Cover with frame (medium duty) 500 mm internal diameter, total weight of cover and frame to be not less than 116 kg (weight of cover 58 kg and weight of frame 58 kg) :				
	19.7.2.1	With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	each	12.00	24,193.70	290,324.40
170.00	19.90	Constructing brick masonry circular type manhole 0.91 m internal dia at bottom and 0.56m dia at top in cement mortar 1:4 (1 cement : 4 coarse sand), inside cement plaster 12 mm thick with cement mortar 1:3 (1 cement : 3 coarse sand) finished with a floating coat of neat cement, foundation concrete 1:3:6 mix (1 cement : 3 coarse sand : 6 graded stone aggregate 40 mm nominal size), and making necessary channel 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, all complete as per standard design :				
171.00	19.9.1	0.91 m deep with S.F.R.C. cover and frame (heavy duty, HD-20 grade designation) 560 mm internal diameter conforming to I.S. 12592, total weight of cover and frame to be not less than 182 kg., fixed in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) including centering, shuttering all complete. (Excavation, foot rests and 12mm thick cement plaster at the external surface shall be paid for separately) :				
	19.9.1.1	With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	each	12.00	11,705.55	140,466.60
		External Storm Water Drainage System		-		
172.00	2.10	Excavating trenches of required width for pipes, cables, etc including excavation for sockets, and dressing of sides, ramming of bottoms, for all depth, 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 50m:		-		
	2.10.1	All kinds of soil		-		
	2.10.1.2	Pipes, cables etc. exceeding 80 mm dia. but not exceeding 300 mm dia	Metre	450.00	293.40	132,030.00
173.00	2.13	Excavating trenches of required width for pipes, cables, etc. including excavation for sockets, depth upto 1.5 m, including getting out the excavated materials, returning the soil as required in layers not exceeding 20 cm in depth, including consolidating each deposited layers by ramming, watering etc., stacking serviceable material for measurements and disposal of unserviceable material as directed, within a lead of 50 m :		-		
	2.13.1	Ordinary rock		-		
	2.13.1.2	Pipes, cables etc. exceeding 80 mm dia but not exceeding 300 mm dia	Metre	250.00	825.30	206,325.00
174.00	19.60	Providing and laying non-pressure NP2 class (light duty) RCC pipes with collars jointed with stiff mixture of cement mortar in the proportion of 1:2 (1 cement : 2 fine sand) including testing of joints etc. complete. (for storm drainage)		-		
	19.6.2	150 mm dia RCC pipe	Metre	450.00	493.10	221,895.00
	19.6.3	250 mm dia RCC pipe	Metre	250.00	811.15	202,787.50
	19.6.4	300 mm dia RCC pipe	Metre	200.00	902.05	180,410.00
175.00	19.19	Providing and fixing in position pre-cast R.C.C. manhole cover and frame of required shape and approved quality		-		
	19.19.3	L D- 2.5		-		
	19.19.3.1	Circular shape 560 mm internal diameter	Each	20.00	1,494.20	29,884.00
176.00	9.50	Providing and fixing hard drawn steel wire fabric 75x25 mm mesh of weight not less than 7.75 Kg per sqm to window frames etc. including 62x19 mm beading of second class teak wood and priming coat with approved steel primer all complete.	Sqm	1.00	1,484.70	1,484.70

Proposed Construction of Bank of Baroda's Residential Building at Plot No.03, H Block, Manoharpura, Sidhharth Nagar, Jaipur
BILL OF QUANTITIES

BILL OF QUANTITIES (MAIN BLOCK, CIVIL WORKS)						
S.No.	DSR Item No.	DESCRIPTION OF ITEM	UNIT	BOQ Qty	RATE	Amount (Rs)
1	2.00	3	5	4	6.00	7.00
177.00	12.41	Providing & fixing on wall face unplasticised -Rigid PVC rain water pipes conforming to IS:13592 Tyape A included jointing with seal ring conforming to IS:5382 leaving 10 mm gap for thermal expansion. (i)Single socketed pipes.		-		
	12.41.2	110 mm diameter	Metre	4,100.00	319.75	1,310,975.00
		EXTERNAL WATER SUPPLY SYSTEM AND PUMPS				
		DISTRIBUTION NETWORK FOR FRESH WATER SUPPLY				
178.00	18.12	Providing and fixing G.I pipes complete with G.I fittings including .trenching and refilling etc.				
		external works				
	18.12.4	32mm nominal bore	Metre	440.00	457.65	201,366.00
	18.12.6	50mm nominal bore	Metre	250.00	654.20	163,550.00
	18.12.8	80mm nominal bore	Metre	450.00	919.10	413,595.00
179.00	18.40	Painting GI pipes and fittings with two coats of anti corrosive bitumastic paint of approved quality				
	18.40.4	32 mm dia, nominal bore	Metre	440.00	18.40	8,096.00
	18.40.6	50 mm dia, nominal bore	Metre	250.00	25.25	6,312.50
	18.40.8	80mm nominal bore	Metre	450.00	36.40	16,380.00
180.00	18.41	Providing and filling sand of grading zone V or coarser grade all-round the G.I pipes in external work.				
	18.41.4	32mm dia pipe	Metre	440.00	168.35	74,074.00
	18.41.6	50mm dia pipe	Metre	250.00	176.90	44,225.00
181.00	18.13	Making connection of G.I. distribution branch with G.I. main of following sizes by providing and fixing tee, including cutting and threading the pipe etc. complete :				
	18.13.2	50 to 80 mm nominal bore	Item	1.00	1,513.70	1,513.70
		Bore Well Installations (As per D.S.R)				
182.00	23.10	Boring/drilling bore well of required dia for casing/ strainer pipe, by suitable method prescribed in IS: 2800 (part I), including collecting samples from different strata, preparing and submitting strata chart/ bore log, including hire & running charges of all equipments, tools, plants & machineries required for the job, all complete as per direction of Engineer -in-charge, upto 90 metre depth below ground level.				
	23.1.1.1	300 mm dia	metre	200.00	592.05	118,410.00
	23.1.2.1	300 mm dia	metre	200.00	1,416.30	283,260.00
		Total Amount External Water Supply and Sewerage DSR-2023		-		5,725,385.90
		Multiplying Factor .973 on PAR 2023 as per CPWD Circular 62 (SE)/TAS/2024-06-Hi. Dated 03.01.2025				5,570,800.48
		Add Cost Index @ 3% on PAR-2023 as on Date 17.06.2025 as per CPWD Circular DG/cost index/12 Dated 17.06.2025				167,124.01
		Total Amount External Water Supply and Sewerage DSR-2023				5,737,924.49
		PUMPS FOR WATER SUPPLY		-		
183.00	MR-1 (Pump)	SUMP PUMP 1W +1S & Pump room				-
	A	The Technical details of the system are as under Make = Kirloskar 1W+1S Model = Eterna 750CW+ Pump Type = Vertical stage pump Head = 10.0 Mtr each Flow = 15.0 m3/h each Kw/HP = 0.75/1.0 PHASE= Three PUMP MOC Impeller = CI Casing = CI Shaft = SS304	Set	1.00	68,893.00	68,893.00
	B	ELECTRIALS CONTROL PANEL WITH FLOAT SWITCH 1W+1S	No	1.00	26,673.00	26,673.00
184	MR-2 (Pump)	DOMESTIC WATER TRANSFER PUMP 2W+1S 400 lpm200 mtr head				
	A	The Technical details of the system are as under Make = Kirloskar 2W+1S Model = KOS 538 Pump Type = Horizontal single stage pump Head = 30.0 Mtr each Flow = 24.0 m3/h each Kw/HP = 3.7/5.0 PHASE= Three PUMP MOC Impeller = CI Casing = CI Shaft = SS304	Set	1.00	130,820.00	130,820.00

Proposed Construction of Bank of Baroda's Residential Building at Plot No.03, H Block, Manoharpura, Sidhharth Nagar, Jaipur
BILL OF QUANTITIES

BILL OF QUANTITIES (MAIN BLOCK, CIVIL WORKS)						
S.No.	DSR Item No.	DESCRIPTION OF ITEM	UNIT	BOQ Qty	RATE	Amount (Rs)
1	B	2.00	3	5	4	6.00
						7.00
		ELECTRIALS CONTROL PANEL WITH FLOAT SWITCH 2W+1S	Nos	1.00	39,131.00	39,131.00
185	MR-3 (Pump)	SEWAGE TRANSFER PUMP				-
	A	The Technical details of the system are as under Make = Kirloskar 1W+1S Model = Eterna 1200CWC Pump Type = Vertical stage pump Head = 10.0 Mtr each	Set	1	187,595.00	187,595.00
	B	ELECTRIALS CONTROL PANEL WITH FLOAT SWITCH 1W+1S	Nos	1	28,057.00	28,057.00
186	MR-4 (Pump)	HYDRO PNEUMATIC PUMP 1W+1S+1VFD at Terrece level				-
		Kirloskar make assembled variable speed pressure boosting system 2xKcil15-3/4Hp consisting of vertical multi stage pump connected in parallel mounted on common base frame of galvanized sheet with suction and discharge manifolds of G.I One no.NRV.Two no. ball valve for each pump .pressure gauge .pressure transmitter, dry run float switch,Electrial VFD panel. The panel shall include all required fuse and Protection.Pressure Tank 100ltr. The Technical details of the system are as under Make = Kirloskar 1W+1S Model = KCIL15-3 Pump Type = Vertical stage pump Head = 30.0 Mtr each Flow = 14.5 m3/h each Kw/HP = 3.0/4.0 PHASE= Three PUMP MOC Impeller = SS304 Casing = SS304 Shaft = SS304	set	1.00	550,099.00	550,099.00
187	MR-5 (Pump)	HOT WATER RETURN PUMP 1W+1S as per Solar water supplier				-
	A	The Technical details of the system are as under Make = Kirloskar 1W+1S Model = AGNES 4-40 Pump Type = Horizontal multi stage pump Head = 25.0 Mtr each Flow = 4.0 m3/h each Kw/HP = .75/1.0 PHASE= Three PUMP MOC Impeller = SS304 Casing = SS304 Shaft = SS304	Set	1.00	71,108.00	71,108.00
	B	ELECTRIALS CONTROL PANEL WITH FLOAT SWITCH 1W+1S	Each	1.00	61,121.00	61,121.00
		Total Amount Pump Non-Schedule				1,163,497.00
		EXTERAL ELECTRICAL WORKS				
	10.00	Cable Laying		-		
188.00	10.10	Laying of One Number PVC Insulated And PVC Sheathed / XLPE Power Cable of 1.1 kV Grade of Following Size Direct in Ground Including Excavation, Sand Cushioning, Protective Covering and Refilling the Trench etc. as required.		-	-	
	10.1.1	Upto 35 sq. mm	Metre	625.00	453.00	283,125.00
	10.1.2	Above 35 sq. mm and upto 95 sq. mm	Metre	1,000.00	475.00	475,000.00
	10.1.3	Above 95 sq. mm and upto 185 sq. mm	Metre	650.00	497.00	323,050.00
				-	-	
189.00	10.20	Laying of one number additional PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size direct in ground in the same trench in one tier horizontal formation including excavation, sand cushioning, protective covering and refilling the trench etc as required.		-		
	10.2.1	Upto 35 sq. mm	Metre	1,000.00	313.00	313,000.00
	10.2.2	Above 35 sq. mm and upto 95 sq. mm	Metre	750.00	335.00	251,250.00
	10.2.3	Above 95 sq. mm and upto 185 sq. mm	Metre	1,500.00	357.00	535,500.00
		LT CABLE JOINTING & END TERMINATION		-	-	
190.00	11.10	Supplying and Making End Termination With Brass Compression Gland and Aluminium lugs for Following Size of PVC Insulated and PVC Sheathed / XLPE Aluminium Conductor Cable of 1.1 kV Grade as Required.		-	-	
	11.1.2	2C X 10 Sq.mm (19 mm)	Each	20.00	295.00	5,900.00
	11.1.3	2C X 16 Sq.mm (22 mm)	Each	20.00	311.00	6,220.00
	11.1.4	3½ X 25 sq. mm (28mm)	Each	12.00	314.00	3,768.00
	11.1.5	3½ X 35 sq. mm (32mm)	Each	6.00	376.00	2,256.00
	11.1.6	3½ X 50 sq. mm (35mm)	Each		419.00	
	11.1.12	3½ X 70 sq. mm (38mm)	Each		495.00	
	11.1.13	3½ X 95 sq. mm (45mm)	Each		636.00	
	11.1.14	3½ X 120 sq. mm (45mm)	Each		694.00	
	11.1.15	3½ X 150 sq. mm (50mm)	Each		781.00	
	11.1.19	3½ X 300 sq. mm (70mm)	Each		1,336.00	
	22.00	H.T. Cable Laying-DSR Item		-	-	
		H V CABLE LAYING		-	-	
191.00	22.10	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 11 KV grade of size upto 240 sq.mm. as under :-		-	-	
	22.1.2	(a) direct in ground including excavation, sand cushioning, protective covering and refilling the trench etc as required.	Metre	200.00	694.00	138,800.00
	DSR 10.1	H.T Termination: DSR Item		-		
192.00	23.10	Supply and making Indoor cable end jointing with cast resin compound, including lugs and other jointing materials for following size of 3 core, XLPE aluminium conductor cable of 11KV (UE) grade as required.		-		
	23.1.3	3 C x 240 Sq.mm (11KV UE)	Sets	8.00	4,144.00	33,152.00
193.00	23.20	Supply and making Outdoor cable end jointing with cast resin compound, including lugs and other jointing materials for following size of 3 core, XLPE aluminium conductor cable of 11KV (UE) grade as required.		-		
	23.2.3	3 C x 240 Sq.mm (11KV UE)	Sets	2.00	7,010.00	14,020.00
	DSR 2	Miscellaneous Items - DSR		-	-	
194.00	2.21	Providing and fixing M.V. danger notice plate of 200 mm X 150 mm, made of mild steel, at least 2 mm thick, and vitreous enameled white on both sides, and with inscription in single red colour on front side as required.	Nos.	12.00	315.00	3,780.00

Proposed Construction of Bank of Baroda's Residential Building at Plot No.03, H Block, Manoharpura, Sidhharth Nagar, Jaipur
BILL OF QUANTITIES

BILL OF QUANTITIES (MAIN BLOCK, CIVIL WORKS)						
S.No.	DSR Item No.	DESCRIPTION OF ITEM	UNIT	BOQ Qty	RATE	Amount (Rs)
1	2.00	3	5	4	6.00	7.00
195.00	2.22	Providing and fixing H.T. danger notice plate of 250 mm X 200 mm, made of mild steel, at least 2 mm thick, and vitreous enameled white on both sides, and with inscription in single Red colour on front side as required.	Nos.	2.00	340.00	680.00
196.00	10.90	Supplying and making cable route marker with cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) of size 60 cm X 60 cm at the bottom and 50 cm X 50 cm at the top with a thickness of 10cm including inscription duly engraved as required.	Each	5.00	683.00	3,415.00
197.00	10.10	Supplying and fixing cable route marker with 10 cm X 10 cm X 5 mm thick G.I. plate with inscription there on, bolted /welded to 35 mm X 35 mm X 6 mm angle iron, 60 cm long and fixing the same in ground as required.	Each	5.00	598.00	2,990.00
	DSR 5	Earthing		-	-	
198.0	5.40	Earthing with G.I. earth plate 600 mm X 600 mm X 6 mm thick including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe of 2.7 meter long etc. with charcoal/ coke and salt as required.. (For BODY EARTHING of each Electrical Panels & Generator Neutral & Body Earthing)	Set	12.00	8,351.00	100,212.00
199.0	5.60	Earthing with copper earth plate 600 mm X 600 mm X 3 mm thick including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe of 2.7 meter long etc. with charcoal/ coke and salt as required.. (For Transformer BODY & NEUTRAL EARTHING)	Set	8.00	15,004.00	120,032.00
200.0	5.20	Earthing with G.I. earth pipe 4.5 metre long, 40 mm dia including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc. with charcoal/ coke and salt as required	SET	6.00	7,658.00	45,948.00
201.0	5.15	Providing and fixing 25 mm X 5 mm G.I. strip on surface or in recess for connections etc. as required.	Metre	300.00	287.00	86,100.00
202.0	5.18	Providing and fixing 6 SWG dia G.I. wire on surface or in recess for loop earthing along with existing surface/ recessed conduit/ submain wiring/ cable as required.	Metre	200.00	50.00	10,000.00
203.0	5.14	Providing and fixing 25 mm X 5 mm copper strip on surface or in recess for connections etc. as required.	Metre	250.00	1,246.00	311,500.00
204.0	5.12	Providing and laying earth connection from earth electrode with 6 SWG dia G.I. Wire in 15 mm dia G.I. pipe from earth electrode including connection with G.I. thimble excavation and re-filling as required.	Metre	100.00	313.00	31,300.00
	DSR 11	Pole Erection				
205.0	12.30	Erection of metallic pole of following length in cement concrete 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40 mm nominal size) foundation including excavation and refilling etc. as required.		-	-	
	12.3.1	Above 4.5 metre and upto 6.5 metre	Each	30.00	6,123.00	183,690.00
206.0	12.60	Supplying and embedding following dia G.I. pipe (medium class) in pole collar/ foundation (during casting) for cable entry including bending the pipe to the required shape . Hole Seeling to be done complete as required.		-		
	12.6.1	32 mm dia	Metre	45.00	559.00	25,155.00

Proposed Construction of Bank of Baroda's Residential Building at Plot No.03, H Block, Manoharpura, Sidhharth Nagar, Jaipur
BILL OF QUANTITIES

BILL OF QUANTITIES (MAIN BLOCK, CIVIL WORKS)						
S.No.	DSR Item No.	DESCRIPTION OF ITEM	UNIT	BOQ Qty	RATE	Amount (Rs)
1	2.00	3	5	4	6.00	7.00
		External Lighting System				
		LED Smart Street light fixture, powder coated pressure die cast aluminium (System. System lumen efficacy >135 lm/Watt). Supplying, installation, Testing & Commissioning of Smart Street light LED fixture, powder coated pressure die cast aluminium body with built in or separate driver as per the requirement (< 700ma), Input voltage: 140-270 Volt AC, frequency 50/60 hz, Operating temp range -5 °C to 50 °C, internal surge protection of 5 KV L.N.E as per IEC 61000-4-5, Driver efficiency >85%, THD < 10% as per IEC 61000-3-2, P.F. ≥ 0.95, IP-66, IK 08, CRI >70, under voltage and over voltage protection, EMI- EMC as per CISPR-15, lenses for beam angle as per IESNA type I/II/III as per the width of the road and the project requirement., suitable to fit in up to 65mm dia pipe, life time of minimum 50000 Burning Hours with 70% of initial Lumen maintained till life ends as per LM80 extrapolation IES TM-21-11 report, CCT 3000°K / 4000°K / 5700°K / 6500°K (As per ANSI Bin), Maximum power consumption should not more than the specified rating and Fixture shall be of relevant BIS standard complete in all respect i/c external connections with 1.5 sq.mm FRLS/HFFR, PVC insulated copper conductor single core cable and earthing etc. as required with Minimum 5 year OEM warranty. System lumen efficacy >135 lm/Watt output. LM79 & LM80 Test report and all testing required for LED fixtures as per BIS shall be submitted.. Shape size and CCT shall be as approved by Engineer-in-Charge as per requirement. (Thermal management: heat sink of aluminium housing such that LED junction temperature shall not rise above 900C) Smart inbuilt controller shall have following features. 1. Control and monitor LED luminaries with bi directional control(Status, Fault, Alarm, dimming level, wattage, on-time).	Nos.			
207.00	8.20					
	8.20.1	45 Watt	Each	60.00	5,804.00	348,240.00
208.00	10.10	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 kV grade of size up to 35 sq. mm		-		
	10.1.1	(a) direct in ground including excavation and refilling the trench etc. as required, but excluding sand cushioning and protective covering.	Metre	360.00	453.00	163,080.00
	10.7.1	(b) On Surface	Metre	360.00	64.00	23,040.00
209.00	10.50	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 kV grade of following size in the existing RCC/ HUME/ METAL pipe as required.		-		
	10.5.1	Upto 35 sq. mm	Metre	500.00	47.00	23,500.00
		<u>DIESEL GENERATING SET 200 KVA</u>				
210.	29.10	Supplying, Erecting, Testing and Commissioning of 200 KVA (continuous rating output at alternator end at 50 Deg C ambient for actual use after derating because of temp. rise in canopy, power consumed by radiator, ventilation fans) 415 volts, 3 phase, 50 HZ, AC alternator coupled to diesel Engine Cummins or equivalent to operate on H.S.D.complete with all accessories as per standard specifications service manual, self starting device, fly wheel, coupling with guard, V belts, Heat radiator, common bed plate, vibration isolation pads, residential silencer duly insulated with 50 mm thick glass wool and clad with Al. foil, first charge of Engine oil, oil tanks of 600 ltrs., High speed diesel oil (600 Ltrs). Tank shall be equipped with float valve. 24 volts chargeable batteries of 180AH, including initial charging of batteries. Cable box for alternator with extension of terminals, connections. (CPCB IV + COMPLIANCE)				
		The D.G. Set shall be housed in weather proof enclosure & sound proof canopies fabricated out of 16 SWG CRCA sheet hot rolled MS channel or CRC cold formed pre-fabricated Steel sections, assembled at site with suitable fasteners door to be provided with EPDM gaskets. The acoustic container shall be made of modular construction for easy assembling and dismantling.				
		The wall and roof panels should be double walled CRC plain and perforated press bent sheet outside and inside respectively. The mineral wool confirming IS 8183 mattressed covered with fibre glass sheet & perforated poly carbonate epoxy coated sheet to be sandwiched through suitable framing and stiffener channels. The panels should be mounted on the structure through suitable clamps and fastness. Necessary doors and openings shall be provided as per site requirements. The sheet metal components should be hot dipped and seven tank pretreated clamps and fastness. Necessary doors and openings shall be provided as per site requirements. The sheet metal components should be hot dipped and seven tank pretreated.				
		The container shall be powder coated painted with pure polyester based powder, coated inside as well outside. The manufacture, has to guarantee the temp rise over ambient inside the container from 5 Deg C to 7 Deg C to avoid any deration.				
		The blower circuit shall be controlled through thermostat/contacter. Adequate ventilation to meet air requirement for combustion & heat removal for water cooled engine with suitably rated axial flow fans for supply and discharge with thermostat control with temp setting 45 to 75 degree centigrade to maintain required temp. & ventilation with in canopy to carry warranty for Engine/Alternator. The noise level shall be 75 dbs at a distance of one meter. Minimum insertion noise loss achieved should be 25 db at a distance of 3 meters. The acoustic container shall have approval from CPCB/their designated agency as per Govt. of India notification for noise control.				
	29.1.15	Diesel Generating Set 200 K.V.A. described as above.	Sets	1.00	1,547,620.00	1,547,620.00
		Total Amount DSR-2025				5,415,323.00
211.00	MR-1 (External Ele)	EXTERNAL LIGHT FEEDER PILLAR		-		
		Design, Manufacture, Supply, Installation, Testing and Commissioning of Panel Fabricated out of 16 SWG CRCA sheet steel, IP 54, wall / floor mounting type with rain canopy The sheet steel shall undergo minimum 7 tank treatment followed by finishing powder coating of min 60 micron thickness. the board includes 415 /240 V electrolytic Aluminium Bus Bar, removable gland plates, cable glands, including connection with outgoing feeders complete in all respect, Panel Should Have Double Earthing Provision Which Connected to the Nearest Earth Grid.		-		
		INCOMER:		-		

Proposed Construction of Bank of Baroda's Residential Building at Plot No.03, H Block, Manoharpura, Sidhharth Nagar, Jaipur
BILL OF QUANTITIES

BILL OF QUANTITIES (MAIN BLOCK, CIVIL WORKS)						
S.No.	DSR Item No.	DESCRIPTION OF ITEM	UNIT	BOQ Qty	RATE	Amount (Rs)
1	2.00	3	5	4	6.00	7.00
		1 no. 16A, 25KA 4P MCCB with Thermal Magnetic based releases, ON indication, + 3 Nos 63A DP MCB For each Phase with 3 Nos Astronomical Weekly programmable time switch (SST- 1min) ON Phase for automatic switching of landscape light fixtures at sun set and sun rise or twilight (auto on/ auto off and auto mode) with manual override facility with 12/24 hour display format with suitable battery and indication for relay status i/c programming at site.		-		
		BUS BAR		-		
		TPN Aluminium bus bar with heat Shrink Sleeve rated for 125A.		-		
		OUTGOING		-		
		12 nos 6A DP MCB (For Compound Group Light + Spare)		-		
		0 Nos 16KA 40A FP MCCB (Spare)		-		
		0nos 40A FP MCCB (BORE WELL STAND BY)		-		
		Other items such as		-		
		1 Set of control wiring		-		
		1 Set of designation plates		-		
		All Items complete as above	Set	1.00	37,375.00	37,375.00
		Supply Of L.T. Cable:		-		
212.00	MR-2 (External Ele)	Supplying of Following Sizes of 1.1 kV Grade Multicore Aluminium Conductor XLPE Power Cable Insulated armoured cable conforming to IS:7098 (Part - I) or as per Relevant IS Code complete with all Amendments etc and should be NABL certified as required.		-		
	MR	3.5 C X 300 Sq.mm Al. XLPE arm.	Metre	600.00	1,990.00	1,194,000.00
	MR	3.5 C X 240 Sq.mm Al. XLPE arm.	Metre	300.00	1,610.00	483,000.00
	MR	3.5 C X 185 Sq.mm Al. XLPE arm.	Metre	150.00	1,264.00	189,600.00
	MR	3.5 C X 150 Sq.mm Al. XLPE arm.	Metre	350.00	999.00	349,650.00
	MR	3.5 C X 120 Sq.mm Al. XLPE arm.	Metre	750.00	857.00	642,750.00
	MR	3.5 C X 95 Sq.mm Al. XLPE arm.	Metre	980.00	683.00	669,340.00
	MR	3.5 C X 70 Sq.mm Al. XLPE arm.	Metre	520.00	540.00	280,800.00
	MR	3.5 C X 50 Sq.mm Al. XLPE arm.	Metre	250.00	396.00	99,000.00
	MR	3.5 C X 35 Sq.mm Al. XLPE arm.	Metre	200.00	297.00	59,400.00
	MR	3.5 C X 25 Sq.mm Al. XLPE arm.	Metre	360.00	229.00	82,440.00
	MR	2 C X 16 Sq.mm Al. XLPE arm.	Metre	780.00	143.00	111,540.00
	MR	2 C X 10 Sq.mm Al. XLPE arm.	Metre	285.00	123.00	35,055.00
		HT Cable And Accessories				
		Supply of H.T. Cable				
213.00	MR-3 (External Ele)	Supply & Testing of following 11 KV(UE) grade multicore Aluminium conductor XLPE insulated cable, insulation screening with extruded semi conducting compound in combination with copper tape armoured cores laid up, inner sheath of PVC tape, galvanised steel flat strip armoured and overall PVC sheathed cable conforming to IS: 7098 (Part - II) and complete with all latest amendments etc. complete as required.				
		3 C x 185 Sq. mm 11 KV (UE)	Metre	50.00	2,171.00	108,550.00
		Miscellaneous Items - MR Items				
214.00	MR-4 (External Ele)	SITC of shock treatment chart (prescribed under I.E.rules) duly framed with glass and supported from back with hard board with supply of all material labour T & P etc for proper completion of work. (Approx front area = 1.20 sq M)	Nos.	2.00	432.00	864.00
215.00	MR-5 (External Ele)	SITC of First aid box as approved by Indian red cross conforming to IS : 2217.	Nos.	2.00	315.00	630.00
216.00	MR-6 (External Ele)	SITC of Fire Bucket stand made of M S angle suitable for and with 4 Nos Fire Buckets of 9.5 Ltrs capacity filled with	Set	2.00	3,111.00	6,222.00
217.00	MR-7 (External Ele)	SITC of rubber gloves of 11 KV grade as per IS : 4770.	Set	2.00	411.00	822.00
218.00	MR-8 (External Ele)	Supplying and fixing of high voltage insulation mat of class B having 11 KV dielectric strength, 1000mm width and thickness of 2.5mm ISI approved as required including cutting to required lengths.	Metre	1.00	3,495.00	3,495.00
219.00	MR-9 (External Ele)	Supplying and fixing of high voltage insulation mat of class B having 1.1 KV dielectric strength, 1000mm width and thickness of 2.0 mm ISI approved as required including cutting to required lengths.	Metre	3.00	2,364.00	7,092.00
		External Lighting System				
220.00	MR-10 (External Ele)	Supply . Installation, Testing & Commissioning of Integrated Post Top Lantern With 45W LED Lamp including suitable size dia G.I.Pipe Pole i/c connection with 3 x 2.5 sq.mm single core PVC insulated copper conductor cable from junction box to fixture as required.	Nos.	10.00	4,386.00	43,860.00
221.00	MR-11 (External Ele)	Supply . Installation, Testing & Commissioning of 60 W LED with complete with pot optic reflector i/c connection with 3x2.5sq.mm single core PVC insulated copper conductor cable from junction box to fixture as required	Nos.	30.00	3,152.00	94,560.00
222.00	MR-12 (External Ele)	Building Outer Light (60W LED) ~ Supply, fitting, fixing and testing of building outer lighting luminaire aerodynamically shaped single piece pressure die-cast Aluminum luminaire with high power LEDs as light source and electronic driver (IP66), along with 60W LED Lamp as Energy saving as per drawing prescribed reflector and heat resistant toughened flat glass cover, with 5ft long 40mm dia G.I pipe with 3 Nos. of iron clamps , anchor nut bolts with double washers as per direction of E/I or consultant as per drawing prescribed reflector and heat resistant toughened flat glass cover. (Make:- Philips/Trilux/Hevelis-Endura Pearl Neo/Wipro.	Each	15.00	4,797.00	71,955.00
223.00	MR-13 (External Ele)	Supply, Installation, Testing and Commissioning of 200x160x98 (KVPC) Polycarbonate thermoplastics enclosure - junction box with IP - 65 Protection with Terminals & cable hinged cover of approved design complete having gasket of internally embedded & made of polyetherene & should be weather proof, rust proof, dust proof, water proof - box shall be tested as per IEC - 60670-2/60670-22. the box shall have self threaded holes & provision for mounting din rail. with 2 Nos cable gland including supplying & fixing crimping 2 nos lugs & 1 nos 32A connector 6 way for looping the incoming & outgoing cables and also connection of the street light one 6A SP MCB Including Connection of 2x6 sqmm Cable etc as Required.	Nos.	15.00	1,062.00	15,930.00

Proposed Construction of Bank of Baroda's Residential Building at Plot No.03, H Block, Manoharpura, Sidhharth Nagar, Jaipur
BILL OF QUANTITIES

BILL OF QUANTITIES (MAIN BLOCK, CIVIL WORKS)						
S.No.	DSR Item No.	DESCRIPTION OF ITEM	UNIT	BOQ Qty	RATE	Amount (Rs)
1	2.00	3	5	4	6.00	7.00
224.00	MR-14 (External Ele)	Supply and fixing of GI/MS swaged round/octagonal tubular pole of 6 Metre length (Above Ground) with Top-70 mm, bottom-135 mm, Base Plate 220x220x12 mm, PCD-205 mm, Foundation Bolts-M20X600, suitable for single/double arm bracket for Solar/ LED fitting. The pole shall be provided with suitable base plate arrangement for fixing on pedestal and looping box complete with MCB, brass connectors etc complete i/c making c.c foundation as required. The street lighting pole shall be in accordance with IS 2713.	Each	25.00	5,962.00	149,050.00
225.00	MR-15 (External Ele)	Supplying/fixing of following light pole arm Bracket fabricated out of GI pipe having thickness and length as per manufacturer design complete etc as reqd.		-		-
	a	Single arm bracket	Each	20.00	699.00	13,980.00
		ELECTRICAL WORKS (External)				
226.0	MR-17 (External Ele)	Transformer and HT Panel				
		11KV HT VCB PANEL - IN DOOR TYPE				
		11KV TRANSFORMER (11 KV /0.433 KV) CSS 1000 KVA		-		
		Bill of material for Outdoor type package substation 1000KVA, 11KV/433V (Oil TYPE TRANSFORMER) - 1 no.		-		
		Design, Supply, Erection, Testing and Commissioning of 11/0.433 KV, Smart Compact Substation (CSS) on existing foundation along with 11kV 3 Way (2LBS+1VCB) RMU and Distribution Transformer and LT Switchgears complete set, type tested in line with latest IEC standards of IEC 62271-202 only.				
		RMU should be SCADA compatible with FRTU.				
		Outdoor type enclosure having modular construction of 2 mm Galvanised Sheet Steel. The Enclosure shall have IP54 degree of protection for MV & LT switchgear compartment & IP34 degree of protection for Transformer compartment. Each compartment will be provided with the door and pad locking arrangement. The Compartment illumination lamp with door operated switch shall be provided for each compartment. Interconnection Between MV switchgear & Transformer using XLPE single core cable & Interconnection between Transformer & LT switchgear using Busbars. Internal earthing connections. All metallic components shall be earthed to a common earthing point. PSS Enclosure should be Internal Arc Tested for IAC A & B both conditions for 21 kA for 1 sec, as per IEC 62271-202. PSS Enclosure shall be K10 class.				
		11/0.415kV, 1000kVA Compact Substation :11/0.415kV Outdoor type Compact Sub-Station, equipped with 1000KVA 11KV/433V, DYn11 Oil filled hermetically sealed transformer, 3 Way 11KV Ring Main Unit consisting of 2 nos. 630A at 11kV load breaking switch with one no tee-off as SF6 insulated 630Amp, Vacuum Circuit Breaker & 1600Amps 415V 50KA 4P Fixed Manual Air Circuit Breaker with numerical overcurrent and earth fault protection as secondary side control as detailed below. The detail bill of material for each Compact Substation shall be as under:				
		A) 3way Non - Extensible unit RMU with 2no. 630 A load break switch and 1 no. 200A tee off with VCB self powered with O/C + E.F. Relay, with Motorized LBS & VCB. VCB shall have line side ES having own making capacity independent of breaker. VCB shall have 50 nos. short circuit breaking operations at 21 kA. B) 1 no. 1000KVA 11KV/415V DYn11 Oil filled hermetically sealed transformer with corrugated wall, without conservator type of design & Top Bushings for HT & LT with Off load tap switch of rating +5% to -5% @2.5%. Temp Rise - Oil/Winding 40/50 Deg cel. Transformer shall have Prime Grade CRGO. Transformer manufacturer shall have In-House Dust free Core cutting Vapor Phased Drying NABL accredited test facility. C) 1600Amps 415V 50KA 4P Fixed Manual Air Circuit Breaker with numerical overcurrent and earth fault protection. Makes of RMU, Transformer & ACB shall be same as that of PSS manufacturer.				
		D) PSS shall have bucket type lifting arrangement connected from base of PSS for all PSS individually.				
		F) CSS should be along with FRTU (Field Remote Terminal Unit) for SCADA.				
		G) RMU (LBS, VCB), LT ACB should be able to be operated from remote SCADA through FRTU. FRTU should be same make as that of PSS manufacturer for better integration.				
		(h) rest specification shall be as per enclosed tender specification.				
		TRANSFORMER COMPARTMENT				
		COMPACT SUB STATION AS DESCRIBED ABOVE	set	1.00	8,064,311.00	8,064,311.00
227.0	MR-18 (External Ele)	PANELS				
		Main LT PANEL				
		NOTE:- MCCB's wherever specified upto 250A shall be Thermal Magnetic & Above 250A will be Microprocessor based inbuilt protections.				
		Supply, installation, testing, Design, manufacture, supply inspection, handling, assembling, affecting proper connections, testing and commissioning of 1.6/2mm CRCA sheet steel fabricated cubical type Main L.T. Panel floor mounting Extensible Type, dust & vermin proof, front operated construction, enclosure class - IP 42, As per IEC 60439 after proper treatment with 9 tank process with top/bottom removable gland plates, as required, double compression type cable glands, earth bus, hinged and lockable doors to achieve dust and vermin proof complete with all inter connections small wiring by min. 1.5-2.5 sq. mm. FR copper wires, ckt labels etc. The panel feeders shall be suitable for terminating suitable nos. 3.5 / 4 core armoured aluminium cable as required.				
		All MCCB's shall be Ics = 100% Icu, with rotary handle & pad locking arrangement. All TP MCCB shall be with heavy duty solid isolable neutral link.				
		The breaking capacity specified for all MCCB's breakers is Ics value (service rating).				
		Each Incoming (ACB/MCCB) shall have ON/OFF/Trip/ LED indication on panel Front door.				

Proposed Construction of Bank of Baroda's Residential Building at Plot No.03, H Block, Manoharpura, Sidhharth Nagar, Jaipur
BILL OF QUANTITIES

BILL OF QUANTITIES (MAIN BLOCK, CIVIL WORKS)						
S.No.	DSR Item No.	DESCRIPTION OF ITEM	UNIT	BOQ Qty	RATE	Amount (Rs)
1	2.00	3	5	4	6.00	7.00
		The incoming MCCB shall be Microprocessor based with inbuilt O/L & S/C release with E/F protection and all Outgoings MCCB's shall be thermal-magnetic based with inbuilt O/L & S/C release.				
		Incoming From TRANSFORMER /CSS				
		Incomer :				
		Incoming From TRANSFORMER /CSS				
		Incomer :				
		1600 Amp ACB				
		400 Amp DG I/C				
		Interlocking & AMF for DG set				
		Bus Bar 2000 Amp				
		O/G				
		4 No - 630 Amp ACB				
		2 No 400 Amp MCCB				
		6No 250 Amp MCCB				
		10No 160 Amp MCCB				
		Complete Panel as Above and complete REFER SLD	set	1.00	6,606,908.00	6,606,908.00
228.0	MR-19 (External Ele)	AUTOMATIC POWER FACTOR CORRECTION PANEL (CAPACITOR PANEL)				
		Capacitor panel should switch OFF when DG starts. Control wiring should be done for it.				
		complete panel as above and complete (280 KVAR)	set	1.00	828,995.00	828,995.00
229.0	MR-20 (External Ele)	STAFF QTRS. METER BOARD		-		-
		Design, manufacture, supply, installation, testing and commissioning of floor / wall mounted powder coated cubicle type, totally enclosed dust and vermin proof compartmentalized meter board fabricated out of 2mm CRCA sheet suitable for use of 415 volts , 3 phase, 50 HZ, complete with bus bars, MV danger notice plate, on surface ISI marked Electronic kWh meter, indication lamps, CT's, Interconnection with suitable capacity aluminium strips , door covers, separate compartment for each meter, glass inspection window, connection of incoming and outgoing cables with thimbles, with all accessories including supply and fixing of following incoming and outgoing switchgears complete as required (Panel Should Have a common earth bus bar of size 25mmx5 mm at the rear with 2 no. earth stud which is connected to the nearest earth grid. (Ref :- Fig. 6,CPWD specifications 2023)				
		NOTE:- MCCB's wherever specified upto 400A shall be Thermal Magnetic & Above 250A will be Microprocessor based inbuilt protections.				
		INCOMER : 160 KVA AMP FP MCCB, 30 KA with Thermal Release Range (80-100) A with O/C, S/C protection				
		3 Nos. Phase Indication light (lamp) with MCBs protection. Multi functional meters (VAF) with suitable CTs and protection MCBS 1 set.				
		BUS BAR : 200 AMP, 500 Volts, 3 phase 50 HZ 4P high conductivity electrolytic extendable type Aluminium bus bar of suitable length, insulated by heat shrinkable sleeves. The current density of bus bar shall be minimum 0.6 sq mm / amp. The Maximum allowable temperature for the Bus bar to be restricted to 90 deg C. The temperature rise should be restricted to 45 deg C above ambient temperature.				
		OUT GOINGS :				
		5 Nos 63AMP TP MCB (For each Qtr.DBs and Spare)				
		Provision for 04 nos , 540 A digital Three phase energy (Kwh) meters of accuracy class 1.0, suitable for operation on 415V, 50 Hz Three phase AC supply with polycarbonate body and backlit LCD display capable of measuring and displaying KWh, V, I, KW, PF, maximum demand in KW with special features like Tamper logging etc.complete with all necessary wiring. (as per local electrical department)				
		complete panel as above		16.00	155,821.00	2,493,136.00
I		AIR TERMINATION SYSTEM				
230.0	MR-21 (External Ele)	Supply and Installation of 8mm dia Aluminum alloy Solid Round Conductor of material AlMgSi used in air termination system . Cross sectional area of conductor should be 50 mm². Test Parameter: a.Lightning impulse current of 100kA for 10/350 µs b.Electrical resistivity - 0.036 µΩm, Tensile strength - 120 to 240 MPa or N/mm², Salt spray - No Sign of Corrosion. Tested as per IEC 62561-2. CAPE Type: SRC 8-AL (Article No. 400 008)	Mtr	590.00	341.00	201,190.00
231.0	MR-22 (External Ele)	Supply and Installation of Plastic Roof Conductor Holder for 8-10 mm dia Aluminium Solid Round Conductor for horizontal Air terminal above metal sheet with fixing screws/Glue. CAPE Type: PRCH 8-10 (Article No.401 204)	Nos	590.00	216.00	127,440.00
232.0	MR-23 (External Ele)	Supply and Installation of UV resistance Nylon/PU roof conductor holder for flat roof with concrete block for fixing 8 mm dia Aluminium alloy Solid Round Conductor in the terrace flat surface at every 1 mtr. CAPE Type: MBPCH8L (Article No. 440 008)	Nos	1.00	199.00	199.00
233.0	MR-24 (External Ele)	Supply and Installation of Top Holder and bottom plate- Stainless steel SS 304 Grade Metal roof holder as per sheet profile for 8-10 mm dia Aluminium alloy Solid Round Conductor for horizontal Air terminal above metal sheet to meet the requirements for IS/IEC 62305. Test Parameter: a) Mechanical Load b) Environmental Test Tested as per IEC 62561-4 CAPE Type: MRMCH 8-10 (Article No. 402 230)	Nos	1.00	332.00	332.00
234.0	MR-25 (External Ele)	Supply and Installation of Adhesion Glue/tape for fixing metal roof holder over the metal surface Cape Type AG10 (Article No 400 411)	Nos	1.00	1,620.00	1,620.00

Proposed Construction of Bank of Baroda's Residential Building at Plot No.03, H Block, Manoharpura, Sidhharth Nagar, Jaipur
BILL OF QUANTITIES

BILL OF QUANTITIES (MAIN BLOCK, CIVIL WORKS)						
S.No.	DSR Item No.	DESCRIPTION OF ITEM	UNIT	BOQ Qty	RATE	Amount (Rs)
1	2.00	3	5	4	6.00	7.00
235.0	MR-26 (External Ele)	Supply and Installation Stainless steel SS 304 Grade multi purpose connector for fixing the 50 ^{mm} insulated copper stranded conductor & Ø8mm aluminium round conductor. CAPE Type: MPC 8-10 SS (Article No. 420 022)	Nos	70.00	615.00	43,050.00
236.0	MR-27 (External Ele)	Supply of Expansion Piece with connector to compensate the expansion and contraction of Solid Round Al. Conductor during temperature variations. Expansion piece should be consider at every 20 mtr length of straight horizontal air termination and connected at both the end with use of straight connector conductor Test Parameter: Electrical Resistivity Test-0.036 µΩm Salt Spray Test - No Sign of Corrosion Tested as per IEC 62561-1 CAPE Type: EPC 8 (Article No. 401 209)	Nos	25.00	507.00	12,675.00
237.0	MR-28 (External Ele)	Supply. of Aluminium Straight connector for interconnecting 8mm Aluminium conductor to meets the requirement of IS/IEC 62305. Test Parameter Electrical Resistivity Test-0.15 µΩm Tested as per IEC 62561-1 CAPE Type : CJ 8 (Article no 401 211)	Nos	20.00	100.00	2,000.00
238.0	MR-29 (External Ele)	Supply and Installation of stainless steel Earth stud of dimension 69 x 69 mm integrated inside concrete and should be tested for electrical resistivity, salt spray and humidity test & short circuit to meet the requirements of IS/IEC 62305 and IEC 62561-1&2. Cape Type No. ES 1 RA1 (Article No. 401 510)	Nos	21.00	3,181.00	66,801.00
239.0	MR-30 (External Ele)	Supply and Installation of CAPE make connecting point made of stainless steel for terminating 10mm copper conductor. CAPE Type: CPES 10 (Article: 400 504)	Nos	21.00	507.00	10,647.00
240.0	MR-31 (External Ele)	Supply and Installation of air termination rod of 2 mtr length of material AlMgSi of diameter ø 16/10 mm crimped on both the ends(Tapered Type). The rod shall be mounted with stainless steel clamp and fixing accessories . Test Parameter: Mechanical Load Test for individual aluminium alloy rods - 120 to 280 N/mm² Salt Spray Test-No sign of corrosion Tested as per IEC 62561-1&2 CAPE Type VATW2 (404 420)	Nos	20.00	6,761.00	135,220.00
241.0	MR-32 (External Ele)	Supply and Installation of Bridging Cable with connecting accessories to interconnect between horizontal air terminal and down conductor in a metal building . Test Parameter: Electrical Resistivity Test- 0.019 µΩm Salt Spray Test - No Sign of Corrosion Tested as per IEC 62561-1 CAPE Type: BCC 1000 (Article No. 403 212)	Nos	1.00	2,641.00	2,641.00
242.0	MR-33 (External Ele)	Supply and Installation of Aluminium folding seam conductor holder asper sheet profile for an 8 mm dia aluminium alloy solid round conductor for fixing a horizontal air terminal above the metal sheet to meet the requirements for IS/IEC 62305 and tested as per IEC 62561-1 CAPE Type : FSCH 14-8 (Article No: 440 011)	Nos	10.00	374.00	3,740.00
II STRUCTURAL RISER						
243.0	MR-34 (External Ele)	Supply and Instalation of 10 mm dia Copper bonded round conductor used for Earth termination inside the concrete and soil. Test parameter: Short circuit current test for copper bonded conductor:Test 6 kA ratings, as per cross sectional area for 1 sec(IS3043/IEEE80); Electrical Resistivity before & after salt mist spray test: 0.25µΩm max. Tensile Test 290 to 510 N/mm². Adhesion no peel or crack & Bend test no seperation of Cu, Cu Coating thickness min. 70µm. Tested as per IEC 62561-2. CAPE Type : SRC 10 Cu (Article No. 400 010)	Mtr	3,375.00	947.00	3,196,125.00
244.0	MR-35 (External Ele)	Supply and Installation of Multi conductor Bonding clamp for interconnecting 10 mm Round Conductor with reinforcement rebar at every 3Mtr inside the concrete to meet the requirements of IS/IEC 62305. CAPE Type: MCBG-101832 (Article No. 410 506)	Nos	1,125.00	689.00	775,125.00
245.0	MR-36 (External Ele)	Supply and Installation of Stainless steel Straight Connector for interconnecting 10 mm dia copper bonded round conductor at straight connection to meets the requirement of IS/IEC 62305. Test Parametres: a) Static Mechanical Test b) Environmental Test Tested as per IEC 62561-1 CAPE Type: SC 8-10 (Article No. 400 210)	Nos	675.00	523.00	353,025.00
246.0	MR-37 (External Ele)	Supply and Installation of stainless steel Earth stud of dimension 69 x 69 mm integrated inside concrete and should be tested for electrical resistivity, salt spray and humidity test & short circuit to meet the requirements of IS/IEC 62305 and IEC 62561-1&2. Cape Type No. ES 1 RA1 (Article No. 401 510)	Nos	21.00	3,181.00	66,801.00
III INTEGRATED RING						
247.0	MR-38 (External Ele)	Supply and Instalation of 10 mm dia Copper bonded round conductor used for Earth termination inside the concrete and soil. Test parameter: Short circuit current test for copper bonded conductor:Test 6 kA ratings, as per cross sectional area for 1 sec(IS3043/IEEE80); Electrical Resistivity before & after salt mist spray test: 0.25µΩm max. Tensile Test 290 to 510 N/mm². Adhesion no peel or crack & Bend test no seperation of Cu, Cu Coating thickness min. 70µm. Tested as per IEC 62561-2. CAPE Type : SRC 10 Cu (Article No. 400 010)	Mtr	2,255.00	930.00	2,097,150.00
248.0	MR-39 (External Ele)	Supply and Installation of Diagonal clamp SS for interconnecting 10 mm Round Conductor with reinforcement rebar at every 3Mtr inside the concrete to meet the requirements of IS/IEC 62305. CAPE Type: DCSS (Article No. 400 507)	Nos	700.00	714.00	499,800.00

Proposed Construction of Bank of Baroda's Residential Building at Plot No.03, H Block, Manoharpura, Sidhharth Nagar, Jaipur
BILL OF QUANTITIES

BILL OF QUANTITIES (MAIN BLOCK, CIVIL WORKS)						
S.No.	DSR Item No.	DESCRIPTION OF ITEM	UNIT	BOQ Qty	RATE	Amount (Rs)
1	2.00	3	5	4	6.00	7.00
249.0	MR-40 (External Ele)	Supply and Installation of Stainless steel Straight Connector for interconnecting 10 mm dia copper bonded round conductor at straight connection to meets the requirement of IS/IEC 62305. Test Parameters: a) Static Mechanical Test b) Environmental Test Tested as per IEC 62561-1 CAPE Type: SC 8-10 (Article No. 400 210)	Nos	105.00	523.00	54,915.00
250.0	MR-41 (External Ele)	Supply and Installation of Stainless steel Cross Connector for 8 mm dia Aluminium alloy round conductor & 10 mm Copper bonded conductor at cross junction. Test Parameter Salt Spray Test (IEC 62561-1) - No sign of Corrosion CAPE Type:CCSS 8-10 (Article No. 400 206)	Nos	226.00	681.00	153,906.00
251.0	MR-42 (External Ele)	Supply and Installation of Fascade stud (strike pad) to meet the requirements of IS/IEC 62305 and IEC 62561-1&2. CAPE Type : FS 72 SS	Nos	72.00	1,163.00	83,736.00
252.0	MR-43 (External Ele)	Supply and Installation of stainless steel Earth stud of dimension 69 x 69 mm integrated inside concrete and should be tested for electrical resistivity, salt spray and humidity test & short circuit to meet the requirements of IS/IEC 62305 and IEC 62561-1&2. Cape Type No. ES 1 RA1 (Article No. 401 510)	Nos	136.00	3,181.00	432,616.00
253.0	MR-44 (External Ele)	Supply Installation of Corner plate of SS 304 grade material used to Protect the building edges & corners from lightning side strike to meet the requirements of IS/IEC-62305. Cape Type No. CRP 300-350 (Article No. 430 010)	Nos	64.00	3,796.00	242,944.00
IV		STRUCTURAL EARTHING		-		
254.0	MR-45 (External Ele)	Supply and Instalation of 10 mm dia Copper bonded round conductor used for Earth termination inside the concrete and soil. Test parameter: Short circuit current test for copper bonded conductor:Test 6 kA ratings, as per cross sectional area for 1 sec(IS3043/IEEE80). Electrical Resistivity before & after salt mist spray test: 0.25µΩm max. Tensile Test 290 to 510 N/mm². Adhesion no peel or crack & Bend test no seperation of Cu, Cu Coating thickness min. 70µm. Tested as per IEC 62561-2. CAPE Type : SRC 10 Cu (Article No. 400 010)	Mtr	1,295.00	930.00	1,204,350.00
255.0	MR-46 (External Ele)	Installation of Exothermic Welding - Including welding mould and other accessories for welding confirms the requirements of IEEE 837:2014 : T-Joint, X-Joint, L-Joint , Straight joint CAPE Article: 400 880	Nos	150.00	8,721.00	1,308,150.00
256.0	MR-47 (External Ele)	Corrosion tape CAPE Type: CT5 (Article No. 400 200)	Nos	18.00	436.00	7,848.00
						-
		Total Amount External Electrical Work Non-Schedule				33,828,356.00

Proposed Construction of Bank of Baroda's Residential Building at Plot No.03, H Block, Manoharpura, Sidhharth Nagar, Jaipur
BILL OF QUANTITIES

BILL OF QUANTITIES (MAIN BLOCK, CIVIL WORKS)						
S.No.	DSR Item No.	DESCRIPTION OF ITEM	UNIT	BOQ Qty	RATE	Amount (Rs)
1	2.00	3	5	4	6.00	7.00
BILL OF QUANTITIES (ENTRANCE GATE)						
257.0	2.6.1	Earth work in excavation by mechanical means (Hydraulic excavator)/ manual means over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 sqm on plan) including getting out and disposal of excavated earth lead upto 50 m and all lift , as directed by Engineer-in-charge. All kinds of soil	CUM.	42.32	177.50	7,511.80
258	4.1.8	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : 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)	CUM.	2.44	6,812.00	16,621.28
259	5.90	Centering and shuttering including strutting, propping etc. and removal of form for :				
	5.9.1	Foundations, footings, bases of columns, etc. for mass concrete	sqm	15.60	392.15	6,117.54
	5.9.5	Lintels, beams, plinth beams, girders, bressumers and cantilevers	sqm	33.28	736.40	24,507.39
	5.9.6	Columns, Pillars, Piers, Abutments, Posts and Struts	sqm	26.74	961.30	25,705.16
260	5.33	Providing and laying in position ready mixed or site batched design mix cement concrete for reinforced cement concrete work; using coarse aggregate and fine aggregate derived from natural sources, Portland Pozzolana / Ordinary Portland /Portland Slag cement, admixtures in recommended proportions as per IS: 9103 to accelerate / retard setting of concrete, to improve durability and workability without impairing strength; including pumping of concrete to site of laying, curing, carriage for all leads; but excluding the cost of centering, shuttering, finishing and reinforcement as per direction of the engineer-in-charge; for the following grades of concrete. Note: Extra cement up to 10% of the minimum specified cement content in design mix shall be payable separately. In case the cement content in design mix is more than 1.10 times of the specified minimum cement content, the contractor shall have discretion to either re-design the mix or bear the cost of extra cement.				
	5.33.1	All works upto plinth level Concrete of M25 grade with minimum cement content of 330 kg /cum	CUM.	7.56	9,504.75	71,855.91
261	5.33.2.1	All works above plinth level upto floor V level Concrete of M25 grade with minimum cement content of 330 kg /cum	CUM.	2.54	9,860.40	25,045.42
262	5.22.6	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete above plinth level Thermo-Mechanically Treated bars of grade Fe-500D or more.	Kg	1598.00	107.85	172,344.30
263	DSR-10.25.2	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. In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works	KG.	3276.00	172.60	565,437.60
264	13.4.2	12 mm cement plaster of mix :1:6 (1 cement: 6 coarse sand)	SQM.	20.98	343.65	7,209.78
265	DSR-13.44.1	Finishing walls with water proofing cement paint of required shade : New work (Two or more coats applied @ 3.84 kg/10 sqm)	SQM.	20.98	116.90	2,452.56
266	13.48.3	Finishing with Deluxe Multi surface paint system for interiors and exteriors using Primer as per manufacturers specifications : Painting Steel work with Deluxe Multi Surface Paint to give an even shade. Two or more coat applied @ 0.90 ltr/10 sqm over an under coat of primer applied @ 0.80 ltr/10 sqm of approved brand and manufacture	SQM.	25.20	170.70	4,301.64
Total Amount Gate DSR-2023						929,110.38
Multiplying Factor .973 on PAR 2023 as per CPWD Circular 62 (SE)/TAS/2024-06-Hi. Dated 03.01.2025						904,024.40
Add Cost Index @ 3% on PAR-2023 as on Date 17.06.2025 as per CPWD Circular DG/cost index/12 Dated 17.06.2025						27,120.73
Total Amount Gate DSR-2023						931,145.13
BILL OF QUANTITIES (BOUNDARY WALL)						
267	2.6.1	Earth work in excavation by mechanical means (Hydraulic excavator)/ manual means over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 sqm on plan) including getting out and disposal of excavated earth , and for all lifts, as directed by Engineer-in-charge. All kinds of soil	Cum	528.79	177.50	93,860.23
268	4.1.8	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : 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)	Cum	28.43	6,812.00	193,665.16
269	5.33	Providing and laying in position ready mixed or site batched design mix cement concrete for reinforced cement concrete work; using coarse aggregate and fine aggregate derived from natural sources, Portland Pozzolana / Ordinary Portland /Portland Slag cement, admixtures in recommended proportions as per IS: 9103 to accelerate / retard setting of concrete, to improve durability and workability without impairing strength; including pumping of concrete to site of laying, curing, carriage for all leads; but excluding the cost of centering, shuttering, finishing and reinforcement as per direction of the engineer-in-charge; for the following grades of concrete. Note: Extra cement up to 10% of the minimum specified cement content in design mix shall be payable separately. In case the cement content in design mix is more than 1.10 times of the specified minimum cement content, the contractor shall have discretion to either re-design the mix or bear the cost of extra cement.				

Proposed Construction of Bank of Baroda's Residential Building at Plot No.03, H Block, Manoharpura, Sidhharth Nagar, Jaipur
BILL OF QUANTITIES

BILL OF QUANTITIES (MAIN BLOCK, CIVIL WORKS)						
S.No.	DSR Item No.	DESCRIPTION OF ITEM	UNIT	BOQ Qty	RATE	Amount (Rs)
1	2.00	3	5	4	6.00	7.00
	5.33.1	All works upto plinth level Concrete of M25 grade with minimum cement content of 330 kg/cum	CUM	82.60	9,504.75	785,092.35
270	5.33	Providing and laying in position ready mixed or site batched design mix cement concrete for reinforced cement concrete work; using coarse aggregate and fine aggregate derived from natural sources, Portland Pozzolana / Ordinary Portland /Portland Slag cement, admixtures in recommended proportions as per IS: 9103 to accelerate / retard setting of concrete, to improve durability and workability without impairing strength; including pumping of concrete to site of laying, curing, carriage for all leads; but excluding the cost of centering, shuttering, finishing and reinforcement as per direction of the engineer-in-charge; for the following grades of concrete. Note: Extra cement up to 10% of the minimum specified cement content in design mix shall be payable separately. In case the cement content in design mix is more than 1.10 times of the specified minimum cement content, the contractor shall have discretion to either re-design the mix or bear the cost of extra cement.				
	5.33.2.1	All works above plinth level upto floor V level Concrete of M25 grade with minimum cement content of 330 kg/cum	Cum	28.99	9,860.40	285,853.00
271	5.22.6	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete above plinth level Thermo-Mechanically Treated bars of grade Fe-500D or more.	Kg	19966.00	107.85	2,153,333.10
272	5.90	Centering and shuttering including strutting, propping etc. and removal of form for :				
A	5.9.1	Foundations, footings, bases of columns, etc. for mass concrete	Sqm	147.21	392.15	57,728.40
B	5.9.5	Lintels, beams, plinth beams, girders, bressumers and cantilevers	Sqm	437.48	736.40	322,160.27
C	5.9.6	Columns, Pillars, Piers, Abutments, Posts and Struts	Sqm	374.85	961.30	360,343.31
273	4.13	Providing & applying a coat of residual petroleum bitumen of grade of VG-10 of approved quality using 1.7kg per square metre on damp proof course after cleaning the surface with brushes and finally with apiece of cloth lightly soaked in kerosene oil.	sqm	47.46	146.15	6,936.28
274	6.1.2	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth in: Cement mortar 1:6 (1 cement : 6 coarse sand)	Cum	0.00	7,132.25	-
274	6.1.2	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth in: Cement mortar 1:6 (1 cement : 6 coarse sand)	cum	56.96	7,132.25	406,252.96
275	6.4.2	Brick work with common burnt clay F.B.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level in all shapes and size in: Cement mortar 1:6 (1 cement: 6 coarse sand)	Cum	65.01	9,105.95	591,977.81
276	6.13.1	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. Cement mortar 1:3 (1 cement: 3 coarse sand)	Sqm	119.76	1,150.50	137,783.88
277	13.4.2	12 mm cement plaster of mix :1:6 (1 cement: 6 coarse sand)	Sqm	711.82	343.65	244,616.94
278	13.5.2	15 mm cement plaster on rough side of single or half brick wall of mix: 1:6 (1 cement: 6 coarse sand)	Sqm	470.55	395.35	186,031.94
279	13.47.1	Finishing walls with Premium Acylic Smooth exterior paint with Silicone additives of required shade : New work (Two or more coats applied @ 1.43 ltr/10 sqm over and priming coat of exterior primer applied @ 0.90 litre / 10 sqm	Sqm	1182.37	171.10	202,303.51
280	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.	Sqm	1182.37	156.05	184,508.84
281	9.48.2	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.	Kg	1671.48	238.35	398,397.26
282	13.48.3	Finishing with Deluxe Multi surface paint system for interiors and exteriors using Primer as per manufacturers specifications : Painting Steel work with Deluxe Multi Surface Paint to give an even shade. Two or more coat applied @ 0.90 ltr/10 sqm over an under coat of primer applied @ 0.80 ltr/10 sqm of approved brand and manufacture	Sqm	92.86	170.70	15,851.20
Total Amount Boundary DSR 2023						6,626,696.44
Multiplying Factor: 973 on PAR 2023 as per CPWD Circular 62 (SE)/TAS/2024-06-Hi. Dated 03.01.2025						6,447,775.64
Add Cost Index @ 3% on PAR-2023 as on Date 17.06.2025 as per CPWD Circular DG/cost index/12 Dated 17.06.2025						193,433.27
Total Amount Boundary DSR 2023						6,641,208.91
BILL OF QUANTITIES (GUARD ROOM, CIVIL WORKS)						
283	2.6.1	Earth work in excavation by mechanical means (Hydraulic excavator)/ manual means over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 sqm on plan) including getting out and disposal of excavated earth , and for all lifts, as directed by Engineer-in-charge. All kinds of soil	cum	39.97	177.50	7,094.68
284	2.27	Supplying and filling in plinth with sand under floors, including watering, ramming, consolidating and dressing complete.	cum	1.32	2,123.75	2,803.35
285	2.34	Supplying chemical emulsion in sealed containers including delivery as specified.				
	2.34.1	Chlorpyrifos/ Lindane emulsifiable concentrate of 20%	litre	10.35	234.75	2,429.66

Proposed Construction of Bank of Baroda's Residential Building at Plot No.03, H Block, Manoharpura, Sidhharth Nagar, Jaipur
BILL OF QUANTITIES

BILL OF QUANTITIES (MAIN BLOCK, CIVIL WORKS)						
S.No.	DSR Item No.	DESCRIPTION OF ITEM	UNIT	BOQ Qty	RATE	Amount (Rs)
1	2.00	3	5	4	6.00	7.00
286	2.35	Diluting and injecting chemical emulsion for Pre-CONSTRUCTIONAL anti-termite treatment (excluding the cost of chemical emulsion) :				
	2.35.3	Treatment of soil under existing floors using chemical emulsion @ one litre per hole, 300 mm apart including drilling 12 mm diameter holes and plugging with cement mortar 1 : 2 (1 cement : 2 Coarse sand) to match the existing floor :				
	2.35.3.1	With Chlorpyrifos/Lindane E.C. 20% with 1% concentration	sqm	18.62	310.05	5,773.13
287	4.1.8	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : 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)	cum	5.250	6,812.00	35,763.00
288	5.33.1	Providing and laying in position ready mixed or site batched design mix cement concrete for reinforced cement concrete work; using coarse aggregate and fine aggregate derived from natural sources, Portland Pozzolana / Ordinary Portland /Portland Slag cement, admixtures in recommended proportions as per IS: 9103 to accelerate / retard setting of concrete, to improve durability and workability without impairing strength; including pumping of concrete to site of laying, curing, carriage for all leads; but excluding the cost of centering, shuttering, finishing and reinforcement as per direction of the engineer-in-charge; for the following grades of concrete. Note: Extra cement up to 10% of the minimum specified cement content in design mix shall be payable separately. In case the cement content in design mix is more than 1.10 times of the specified minimum cement content, the contractor shall have discretion to either re-design the mix or bear the cost of extra cement.				
	5.33.1	All works upto plinth level Concrete of M25 grade with minimum cement content of 330 kg /cum	cum	4.570	9,504.75	43,436.71
289	5.33	Providing and laying in position ready mixed or site batched design mix cement concrete for reinforced cement concrete work; using coarse aggregate and fine aggregate derived from natural sources, Portland Pozzolana / Ordinary Portland /Portland Slag cement, admixtures in recommended proportions as per IS: 9103 to accelerate / retard setting of concrete, to improve durability and workability without impairing strength; including pumping of concrete to site of laying, curing, carriage for all leads; but excluding the cost of centering, shuttering, finishing and reinforcement as per direction of the engineer-in-charge; for the following grades of concrete. Note: Extra cement up to 10% of the minimum specified cement content in design mix shall be payable separately. In case the cement content in design mix is more than 1.10 times of the specified minimum cement content, the contractor shall have discretion to either re-design the mix or bear the cost of extra cement.				
	5.33.2	All works above plinth level upto floor V level Concrete of M25 grade with minimum cement content of 330 kg /cum	cum	4.41	9,860.40	43,484.36
290	5.22.A.6	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level & above plinth level. Thermo-Mechanically Treated bars of grade Fe-500D or more.	KG	1081.00	107.85	116,585.85
291	5.90	Centering and shuttering including strutting, propping etc. and removal of form for :				
	5.9.1	Foundations, footings, bases of columns, etc. for mass concrete	sqm	10.92	392.15	4,282.28
	5.9.3	Suspended floors, roofs, landings, balconies and access platform	sqm	13.21	927.25	12,248.97
	5.9.4	Shelves (Cast in situ)	sqm	1.82	927.25	1,687.60
	5.9.5	Lintels, beams, plinth beams, girders, bressumers and cantilevers	sqm	33.51	736.40	24,676.76
	5.9.6	Columns, Pillars, Piers, Abutments, Posts and Struts	sqm	22.39	961.30	21,523.51
	5.9.16.1	Edges of slabs and breaks in floors and walls Under 20 cm wide	metre	20.65	208.55	4,306.56
	5.9.19	Weather shade, Chajjas, corbels etc., including edges	sqm	2.88	951.10	2,739.17
292	6.1.2	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth in: Cement mortar 1:6 (1 cement : 6 coarse sand)	cum	3.73	7,132.25	26,603.29
293	6.4.2	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 : Cement mortar 1:6 (1 cement : 6 coarse sand)	cum	13.32	9,105.95	121,291.25
294	6.13.2	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. Cement mortar 1 : 4 (1 cement : 4 coarse sand)	sqm	9.29	1,123.80	10,440.10
295	4.13	Providing & applying a coat of residual petroleum bitumen of grade of VG-10 of approved quality using 1.7kg per square metre on damp proof course after cleaning the surface with brushes and finally with apiece of cloth lightly soaked in kerosene oil.	sqm	5.45	146.15	796.52
296	4.10	Providing and laying damp-proof course 40mm thick with cement concrete 1:2:4 (1 cement : 2 coarse sand (zone-III): 4 graded stone aggregate 12.5mm nominal size)	sqm	5.45	410.85	2,239.13
297	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:				
	9.21.1	35 mm thick including ISI marked Stainless Steel butt hinges with necessary screws	sqm	2.52	2,392.65	6,029.48
298	9.13	Providing & Fixing decorative high pressure laminated sheet of plain I wood grain in gloss I matt/ suede finish with high density protective surface layer and reverse side of adhesive bonding quality conforming to IS : 2046 Type S, including cost of adhesive of approved quality.				
	9.127.1	1.5 mm thick	sqm	5.04	1,045.95	5,271.59

Proposed Construction of Bank of Baroda's Residential Building at Plot No.03, H Block, Manoharpura, Sidhharth Nagar, Jaipur
BILL OF QUANTITIES

BILL OF QUANTITIES (MAIN BLOCK, CIVIL WORKS)						
S.No.	DSR Item No.	DESCRIPTION OF ITEM	UNIT	BOQ Qty	RATE	Amount (Rs)
1	2.00	3	5	4	6.00	7.00
299	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).	sqm	2.52	462.35	1,165.12
300	9.96.2 (AR)	Providing and fixing bright /matt finished Stainless Steel Sliding Door Bolt of approved quality & make with necessary screws etc all complete. 200x16 mm.	nos	1.00	253.45	253.45
301	9.97.2	Providing and fixing bright /matt finished Stainless Steel Tower Bolt of approved quality & make with necessary screws etc all complete. 200x10 mm.	nos	3.00	178.14	534.41
302	9.165.1	Providing and fixing bright /matt finished Stainless Steel handles of approved quality & make with necessary screws etc all complete.	nos	3.00	119.20	357.60
303	MR	Providing and fixing ball catch magnet floor door stopper, ISI marked, in SS-304 necessary screws etc. complete.	nos	2.00	590.00	1,180.00
304	9.83	Providing and fixing aluminium die cast body tubular type universal hydraulic door closer (having brand logo with ISI, IS : 3564, embossed on the body, door weight upto 35 kg and door width upto 700 mm), with necessary accessories and screws etc. complete.	each	2.00	1,124.85	2,249.70
305	9.12	Providing and fixing Fiber Glass Reinforced plastic (FRP) Door Frames of cross-section 90 mm x 45 mm having single rebate of 32 mm x 15 mm to receive shutter of 30 mm thickness. The laminate shall be moulded with fire resistant grade unsaturated polyester resin and chopped mat. Door frame laminate shall be 2mm thick and shall be filled with suitable wooden block in all the three legs. The frame shall be covered with fiber glass from all sides. M.S. stay shall be provided at the bottom to steady the frame.	meter	12.00	570.95	6,851.40
306	9.122.1	30 mm thick Glass Fibre Reinforced Plastic (FRP) panelled door shutter of required colour and approved brand and manufacture, made with fire - retardant grade unsaturated polyester resin, moulded to 3 mm thick FRP laminate for forming hollow rails and styles, with wooden frame and suitable blocks of seasoned wood inside at required places for fixing of fittings, cast monolithically with 5 mm thick FRP laminate for panels conforming to IS: 14856, including fixing to frames	sqm	3.78	3,720.75	14,064.44
307	10.15	Providing and fixing M.S. Tubular frames and shutters for doors, windows, ventilators and cupboard with rectangular/ L-Type sections, made of 1.60 mm thick M.S. Sheet, joints mitred, welded and grinded finish, with profiles of required size, including fixing of necessary butt hinges and screws and applying a priming coat of approved steel primer.	kg	71.70	195.20	13,995.84
308	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.	kg	25.92	172.60	4,473.79
309	10.30	Providing & fixing glass panes with putty and glazing clips in steel doors, windows, clerestory windows, all complete with :	sqm	3.24	1,390.15	4,504.09
310	13.4.2	12 mm cement plaster of mix : 1:6 (1 cement: 6 coarse sand)	sqm	56.72	343.65	19,492.52
311	13.12	18 mm cement plaster in two coats under layer 12 mm thick cement plaster 1:5 (1 cement : 5 coarse sand) and a top layer 6 mm thick cement plaster 1:3 (1 cement : 3 coarse sand) finished rough with sponge.	sqm	86.89	537.45	46,697.96
312	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.	sqm	7.66	1,553.45	11,899.43
313	11.41A	Providing and laying Vitrified tiles in floor in different sizes (minimum 10mm thick) 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. Double charge vitrified tile polished finish of size Size of Tile 600x600 mm	sqm	0.99	1,453.65	1,439.11
314	11.39	Providing and laying rectified Glazed Ceramic floor tiles of size 300x300 mm or more (thickness to be specified by approved make & colours), of 1st quality conforming to IS : 15622, of approved make, in colours & shade, 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.	sqm	5.51	1,330.00	7,328.30

Proposed Construction of Bank of Baroda's Residential Building at Plot No.03, H Block, Manoharpura, Sidhharth Nagar, Jaipur
BILL OF QUANTITIES

BILL OF QUANTITIES (MAIN BLOCK, CIVIL WORKS)						
S.No.	DSR Item No.	DESCRIPTION OF ITEM	UNIT	BOQ Qty	RATE	Amount (Rs)
1	2.00	3	5	4	6.00	7.00
315	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.	sqm	18.48	1,267.95	23,431.72
316	4.17	Making plinth protection 50mm thick of cement concrete 1:3:6 (1 cement : 3 coarse sand (zone - III) : 6 graded stone aggregate 20 mm nominal size) 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.	sqm	21.31	749.30	15,967.58
317	11.13.1	Providing and fixing glass strips in joints of terrazo/ cement concrete floors. 40 mm wide and 4 mm thick	metre	71.03	91.75	6,517.00
318	13.82.2	Wall painting with premium acrylic emulsion paint of interior grade in two or more coats, 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.	sqm	60.71	142.80	8,668.67
319	13.47.1	Finishing walls with Premium Acrylic Smooth exterior paint with Silicone additives of required shade: 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)	sqm	82.91	171.10	14,185.05
320	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.	sqm	143.61	156.05	22,410.34
321	13.48.3	Painting Steel work with Deluxe Multi Surface Paint to give an even shade. Two or more coat applied @ 0.90 ltr/ 10 sqm over an under coat of primer applied @ 0.80 ltr/ 10 sqm of approved brand and manufacture	sqm	8.46	170.70	1,444.12
322	12.22	Making khurras 45x45 cm with average minimum thickness of 5 cm cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate of 20 mm nominal size) over P.V.C. sheet 1 m x 1 m x 400 micron, finished with 12 mm cement plaster 1:3 (1 cement : 3 coarse sand) and a coat of neat cement, rounding the edges and making and finishing the outlet complete.	each	1.00	298.25	298.25
323	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, mounting on the chair bracket with clear gap between the wall surface, leaving 10 mm gap for thermal expansion, (i) Single socketed pipes.				
	12.41.2	110 mm diameter	metre	3.75	377.40	1,415.25
324	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.				
	12.42.1	Coupler				
	12.42.1.2	110 mm	each	1.00	136.15	136.15
	12.42.5	Bend 87.5°				
	12.42.5.2	110 mm bend	each	1.00	150.35	150.35
	12.42.6	Shoe (Plain)				
	12.42.6.2	110 mm Shoe	each	1.00	131.85	131.85
325	12.43	Providing and fixing unplasticised -PVC pipe clips of approved design to unplasticised - PVC rain water pipes by means of 50x50x50 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 mounting on the chair bracket with clear gap between the wall surface.etc. complete.				
	12.43.2	110 mm	each	3.00	371.30	1,113.90
326	12.44	Providing and fixing to the inlet mouth of rain water pipe cast iron grating 15 cm diameter and weighing not less than 440 grams.	each	1.00	54.70	54.70
327	22.70	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 Engineer-in-charge				
		(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 Engineer-in-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 300x300 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";				

Proposed Construction of Bank of Baroda's Residential Building at Plot No.03, H Block, Manoharpura, Sidhharth Nagar, Jaipur
BILL OF QUANTITIES

BILL OF QUANTITIES (MAIN BLOCK, CIVIL WORKS)						
S.No.	DSR Item No.	DESCRIPTION OF ITEM	UNIT	BOQ Qty	RATE	Amount (Rs)
1	2.00	3	5	4	6.00	7.00
	22.7.1	With average thickness of 120 mm and minimum thickness at khurra as 65 mm.	sqm	16.25	1,684.60	27,374.75
328	12.55	Providing and fixing Heat Resistant Terrace Tiles (300 mm x 300 mm x 20 mm) with SRI (solar refractive index) > 78, solar reflection > 0.70 and initial emittance > 0.75 on waterproof and sloped surface of terrace, laid on 20 mm thick cement sand mortar in the ratio of 1 : 4 (1 cement : 4 coarse sand) and grouting the joints with mix of white cement & marble powder in ratio of 1 : 1, including rubbing and polishing of the surface upto 3 cuts complete, including providing skirting upto 150 mm height along the parapet walls in the same manner.				-
			sqm	16.25	1,703.95	27,689.19
		Total Amount Gate DSR 2023				788,982.98
		Multiplying Factor .973 on PAR 2023 as per CPWD Circular 62 (SE)/TAS/2024-06-Hi. Dated 03.01.2025				767,680.44
		Add Cost Index @ 3% on PAR-2023 as on Date 17.06.2025 as per CPWD Circular DG/cost index/12 Dated 17.06.2025				23,030.41
		Total Amount Gate DSR 2023				790,710.85
		BILL OF QUANTITIES (ROAD WORKS)				
329	2.6.1	Earth work in excavation by mechanical means (Hydraulic excavator)/ manual means over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 sqm on plan) including getting out and disposal of excavated earth , and for all lifts, as directed by Engineer-incharge. All kinds of soil	CUM	364.73	177.50	64,739.58
330	16.1	Preparation and consolidation of sub grade with power road roller of 8 to 12 tonne capacity after excavating earth to an average of 22.5 cm depth, dressing to camber and consolidating with road roller including making good the undulations etc. and re-rolling the sub grade and disposal of surplus earth with lead upto 50 metres.	SQM	1215.74	218.90	266,125.49
331	16.78.2	Construction of granular sub-base by providing close graded Material conforming to specifications, mixing in a mechanical mix plant at OMC, carriage of mixed material by tippers to work site, for all leads & lifts, spreading in uniform layers of specified thickness with motor grader on prepared surface and compacting with vibratory power roller to achieve the desired density, complete as per specifications and directions of Engineer-in-Charge. With material conforming to Grade-II (size range 53 mm to 0.075 mm) having CBR Value-25	CUM	212.75	2,924.85	622,261.84
332	16.43.1	Providing and laying design mix cement concrete of M-30 grade, in roads/ taxi tracks/ runways, using cement content as per design mix, using coarse sand and graded stone aggregate of 40 mm nominal size in appropriate proportions as per approved & specified design criteria, providing dowel bars with sleeve/ tie bars wherever required, laying at site, spreading and compacting mechanically by using needle and surface vibrators, levelling to required slope/ camber finishing with required texture, including steel form work with sturdy M.S. channel sections, curing, making provision for contraction/ expansion, construction & longitudinal joints (10 mm wide x 50 mm deep) by groove cutting machine, providing and filling joints with approved joint filler and sealants, complete all as per direction of Engineer-in-charge (Item of joint fillers, sealants, dowel bars with sleeve/ tie bars to be paid separately). Cement concrete prepared with batch mixing machine	CUM	182.36	10,529.35	1,920,132.27
333	16.45	Providing and fixing in position pre-moulded joint filler in expansion joints.	per cm depth per cm width per m length	15344.46	5.30	81,325.64
334	16.46.1	Providing and filling in position rubberized bitumen hot sealing compound for sealing expansion joints in roads / pavements all complete as per direction of the Engineer -in - charge.	per cm depth per cm width per m length	15344.46	8.65	132,729.58
335	5.22.6	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete above plinth level Thermo-Mechanically Treated bars of grade Fe-500D or more.	Qtl.	71.58	10,785.00	771,990.30
336	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 5 mm), including making drainage opening wherever required complete etc. as per direction of Engineer-in-charge (length of finished kerb edging shall be measured to calculate volume for payment). (Precast C.C. kerb stone shall be approved by Engineer-in-charge).	Cum	20.27	10,117.60	205,083.75
337	13.62.1	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade : Two or more coats on new work over an under coat of suitable shade with ordinary paint of approved brand and manufacture	Sqm	205.65	226.25	46,528.31
		Total of CC Road DSR 2023				4,110,916.75
		Multiplying Factor .973 on PAR 2023 as per CPWD Circular 62 (SE)/TAS/2024-06-Hi. Dated 03.01.2025				3,999,921.99
		Add Cost Index @ 3% on PAR-2023 as on Date 17.06.2025 as per CPWD Circular DG/cost index/12 Dated 17.06.2025				119,997.66
		Total of CC Road DSR 2023				4,119,919.65
		BILL OF QUANTITIES (INTERLOCKING WORKS)				

Proposed Construction of Bank of Baroda's Residential Building at Plot No.03, H Block, Manoharpura, Sidhharth Nagar, Jaipur
BILL OF QUANTITIES

BILL OF QUANTITIES (MAIN BLOCK, CIVIL WORKS)						
S.No.	DSR Item No.	DESCRIPTION OF ITEM	UNIT	BOQ Qty	RATE	Amount (Rs)
1	2.00	3	5	4	6.00	7.00
338	2.6.1	Earth work in excavation by mechanical means (Hydraulic excavator)/ manual means over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 sqm on plan) including getting out and disposal of excavated earth , and for all lifts, as directed by Engineer-in-charge. All kinds of soil	Cum	38.75	177.50	6,878.13
	4.10	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : 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)				
339	4.1.8		Cum	38.58	6,812.00	262,806.96
340		Brick work in foundation				
(a)	6.1.2	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth in: Cement mortar 1:6 (1 cement : 6 coarse sand)	Cum	157.13	7,132.25	1,120,690.44
341	13.4.2	12 mm cement plaster of mix : 1:6 (1 cement: 6 coarse sand)	Sqm	101.41	343.65	34,849.55
342	16.91.1 (AR)	Providing and laying factory made Rubber Moulded Cement Concrete paver blocks in footpath, parks, lawns, drive ways or light traffic parking etc, of required strength, thickness & size/ shape, made by table vibratory method using PU mould, laid in required colour & pattern over 50mm thick compacted bed of sand, compacting and proper embedding/laying of inter locking paver blocks into the sand bedding layer through vibratory compaction by using plate vibrator, filling the joints with sand and cutting of paver blocks as per required size and pattern, finishing and sweeping extra sand. complete all as per direction of Engineer-in-Charge. 60 mm thick Rubber Moulded C.C. paver block of M-35 grade with approved color design and pattern	Sqm	428.30	1,045.65	447,851.90
		Total amount of Interlocking DSR 2023				1,873,076.97
		Multiplying Factor .973 on PAR 2023 as per CPWD Circular 62 (SE)/TAS/2024-06-Hi. Dated 03.01.2025				1,822,503.89
		Add Cost Index @ 3% on PAR-2023 as on Date 17.06.2025 as per CPWD Circular DG/cost index/12 Dated 17.06.2025				54,675.12
		Total amount of Interlocking DSR 2023				1,877,179.01
		External Storm Water Drainage System		-		
343.00	2.10	Excavating trenches of required width for pipes, cables, etc including excavation for sockets, and dressing of sides, ramming of bottoms, for all depth, 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 50m:		-		
	2.10.1	All kinds of soil		-		
	2.10.1.2	Pipes, cables etc. exceeding 80 mm dia, but not exceeding 300 mm dia	Metre	450.00	293.40	132,030.00
344.00	2.13	Excavating trenches of required width for pipes, cables, etc, including excavation for sockets, depth upto 1.5 m, including getting out the excavated materials, returning the soil as required in layers not exceeding 20 cm in depth, including consolidating each deposited layers by ramming, watering etc., stacking serviceable material for measurements and disposal of unserviceable material as directed, within a lead of 50 m :		-		
	2.13.1	Ordinary rock		-		
	2.13.1.2	Pipes, cables etc. exceeding 80 mm dia but not exceeding 300 mm dia	Metre	250.00	825.30	206,325.00
345.00	19.60	Providing and laying non-pressure NP2 class (light duty) RCC pipes with collars jointed with stiff mixture of cement mortar in the proportion of 1:2 (1 cement : 2 fine sand) including testing of joints etc. complete. (for storm drainage)		-		
	19.6.2	150 mm dia RCC pipe	Metre	450.00	493.10	221,895.00
	19.6.3	250 mm dia RCC pipe	Metre	250.00	811.15	202,787.50
	19.6.4	300 mm dia RCC pipe	Metre	200.00	902.05	180,410.00
346.00	19.19	Providing and fixing in position pre-cast R.C.C. manhole cover and frame of required shape and approved quality				
	19.19.3	L.D> 2.5				
	19.19.3.1	Circular shape 560 mm internal diameter	Each	20.00	1,494.20	29,884.00
347.00	9.50	Providing and fixing hard drawn steel wire fabric 75x25 mm mesh of weight not less than 7.75 Kg per sqm to window frames etc. including 62x19 mm beading of second class teak wood and priming coat with approved steel primer all complete.	Sqm	1.00	1,484.70	1,484.70
348.00	12.41	Providing & fixing on wall face unplasticised -Rigid PVC rain water pipes conforming to IS:13592 Tyape A included jointing with seal ring conforming to IS:5382 leaving 10 mm gap for thermal expansion. (i)Single socketed pipes.				
	12.41.2	110 mm diameter	Metre	4,100.00	319.75	1,310,975.00
		Total Amount Storm Water Drain DSR 2023		-		2,285,791.20
		Multiplying Factor .973 on PAR 2023 as per CPWD Circular 62 (SE)/TAS/2024-06-Hi. Dated 03.01.2025				2,224,074.84
		Add Cost Index @ 3% on PAR-2023 as on Date 17.06.2025 as per CPWD Circular DG/cost index/12 Dated 17.06.2025				66,722.25
		Total Amount Storm Water Drain DSR 2023				2,290,797.09
		BILL OF QUANTITIES (UG TANK, CIVIL WORKS)				
349.00	2.6.1	Earth work in excavation by mechanical means (Hydraulic excavator)/ manual means over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 sqm on plan) including getting out and disposal of excavated earth , and for all lifts, as directed by Engineer-in-charge. All kinds of soil	cum	629.15	177.50	111,674.13
						-
350	4.1.8	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :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)	cum	9.49	6,812.00	64,645.88
						-

Proposed Construction of Bank of Baroda's Residential Building at Plot No.03, H Block, Manoharpura, Sidhharth Nagar, Jaipur
BILL OF QUANTITIES

BILL OF QUANTITIES (MAIN BLOCK, CIVIL WORKS)						
S.No.	DSR Item No.	DESCRIPTION OF ITEM	UNIT	BOQ Qty	RATE	Amount (Rs)
1	2.00	3	5	4	6.00	7.00
351	5.33	Providing and laying in position ready mixed M-25 grade concrete for reinforced cement concrete work, using cement content as per approved design mix, manufactured in fully automatic batching plant and transported to site of work in transit mixer for all leads, having continuous agitated mixer, manufactured as per mix design of specified grade for reinforced cement concrete work, including pumping of R.M.C. from transit mixer to site of laying, excluding the cost of centering, shuttering finishing and reinforcement, including cost of admixtures in recommended proportions as per IS : 9103 to accelerate/ retard setting of concrete, improve workability without impairing strength and durability as per direction of the Engineer-in-charge. (Note :- Cement content considered in this item is @ 330 kg/ cum.Excess/less cement used as per design mix is payable/recoverable separately).				-
	5.33.1	All works upto plinth level	cum	115.20	9,504.75	1,094,947.20
						-
352	5.33	Providing and laying in position ready mixed or site batched design mix cement concrete for reinforced cement concrete work; using coarse aggregate and fine aggregate derived from natural sources, Portland Pozzolana / Ordinary Portland /Portland Slag cement, admixtures in recommended proportions as per IS: 9103 to accelerate / retard setting of concrete, to improve durability and workability without impairing strength; including pumping of concrete to site of laying, curing, carriage for all leads; but excluding the cost of centering, shuttering, finishing and reinforcement as per direction of the engineer-in-charge; for the following grades of concrete. Note: Extra cement up to 10% of the minimum specified cement content in design mix shall be payable separately. In case the cement content in design mix is more than 1.10 times of the specified minimum cement content, the contractor shall have discretion to either re-design the mix or bear the cost of extra cement.				-
	5.33.1.1	All works upto plinth level : Concrete of M25 grade with minimum cement content of 330 kg /cum	cum	6.21	9,860.40	61,233.08
						-
353	5.90	Centering and shuttering including strutting, propping etc. and removal of form for :				-
	5.9.1	Foundations, footings, bases of columns, etc. for mass concrete	sqm	13.37	392.15	5,243.05
	5.9.2	Walls (any thickness) including attached pilasters, buttresses, plinth and string courses etc.	sqm	445.09	842.50	374,988.33
	5.9.6	Columns, Pillars, Piers, Abutments, Posts and Struts	sqm	42.60	961.30	40,951.38
	5.9.3	Suspended floors, roofs, landings, balconies and access platform	sqm	63.04	927.25	58,453.84
	5.9.5	Lintels, beams, plinth beams, girders, bressumers and cantilevers	sqm	49.74	736.40	36,628.54
	5.9.7	Stairs, (excluding landings) except spiral-staircases	sqm	9.62	764.98	7,359.11
						-
354	6.4.2	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 :Cement mortar 1:6 (1 cement : 6 coarse sand)	cum	12.91	8,288.35	107,002.60
						-
355	5.22.6	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level & above plinth level. Thermo-Mechanically Treated bars of grade Fe-500D or more.	qtl.	20654.00	107.85	2,227,533.90
						-
356	9.96.2 (AR)	Providing and fixing bright /matt finished Stainless Steel Sliding Door Bolt of approved quality & make with necessary screws etc all complete. 200x16 mm.	each	1.00	253.47	253.47
						-
357	9.97.2	Providing and fixing bright /matt finished Stainless Steel Tower Bolt of approved quality & make with necessary screws etc all complete. 200x10 mm.	each	2.00	178.14	356.27
						-
358	9.165.1	Providing and fixing bright /matt finished Stainless Steel handles of approved quality & make with necessary screws etc all complete.	each	2.00	119.20	238.40
						-
359	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:				-
	9.21.1	35 mm thick including ISI marked Stainless Steel butt hinges with necessary screws	sqm	2.10	2,392.65	5,024.57
						-
360	10.13.1	Providing and fixing T-iron frames for doors, windows and ventilators of mild steel Tee-sections, joints mitred and welded, including fixing of necessary butt hinges and screws and applying a priming coat of approved steel primer. Fixing with 15x3 mm lugs 10 cm long embedded in cement concrete block 15x10x10 cm of C.C. 1:3:6 (1 Cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size).	kg	20.33	141.70	2,880.76
						-
361	10.25.2	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. In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works	kg	181.50	172.60	31,326.90
						-
362	13.12	18 mm cement plaster in two coats under layer 12 mm thick cement plaster 1:5 (1 cement : 5 coarse sand) and a top layer 6 mm thick cement plaster 1:3 (1 cement : 3 coarse sand) finished rough with sponge.	sqm	61.48	537.45	33,039.74
						-
363	13.4.2	12 mm cement plaster of mix : 1:6 (1 cement: 6 coarse sand)	sqm	313.24	343.65	107,643.21
						-
364	13.82.2	Wall painting with premium acrylic emulsion paint of interior grade in two or more coats, 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.	sqm	307.16	142.80	43,862.45
						-
365	13.44.1	Finishing walls with water proofing cement paint of required shade :New work (Two or more coats applied @ 3.84 kg/10 sqm)	sqm	67.55	116.90	7,896.60
						-

Proposed Construction of Bank of Baroda's Residential Building at Plot No.03, H Block, Manoharpura, Sidhharth Nagar, Jaipur
BILL OF QUANTITIES

BILL OF QUANTITIES (MAIN BLOCK, CIVIL WORKS)						
S.No.	DSR Item No.	DESCRIPTION OF ITEM	UNIT	BOQ Qty	RATE	Amount (Rs)
1	2.00	3	5	4	6.00	7.00
366	13.48.3	Finishing with Deluxe Multi surface paint system for interiors and exteriors using Primer as per manufacturers specifications :Painting Steel work with Deluxe Multi Surface Paint to give an even shade. Two or more coat applied @ 0.90 ltr/10 sqm over an under coat of primer applied @ 0.80 ltr/10 sqm of approved brand and manufacture	sqm	9.80	170.70	1,672.86
						-
367	13.48.2	Finishing with Deluxe Multi surface paint system for interiors and exteriors using Primer as per manufacturers specifications :Painting wood work with Deluxe Multi Surface Paint of required shade. Two or more coat applied @ 0.90 ltr/10 sqm over an under coat of primer applied @0.75 ltr/10 sqm of approved brand and manufacture	sqm	4.20	176.25	740.25
						-
368	19.19.2	Supplying and fixing C.I. cover without frame for manholes :500 mm diameter C.I. cover (medium duty) the weight of the cover to be not less than 58 kg	each	3.00	3,441.20	10,323.60
						-
369	19.15.1	Providing M.S. foot rests including fixing in manholes with 20x20x10 cm cement concrete blocks 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size) as per standard design : With 20x20 mm square bar	Nos.	51.00	544.70	27,779.70
						-
370	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, mounting on the chair bracket with clear gap between the wall surface, leaving 10 mm gap for thermal expansion, (i) Single socketed pipes.				-
	12.41.2	110 mm diameter	metre	3.15	377.40	1,188.81
						-
371	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.				-
	12.42.1	Coupler				-
	12.42.1.2	110 mm	each	3.00	136.15	408.45
	12.42.5	Bend 87.5°				-
	12.42.5.2	110 mm bend	each	1.00	150.35	150.35
	12.42.6	Shoe (Plain)				-
	12.42.6.2	110 mm Shoe	each	1.00	131.85	131.85
						-
372	12.43	Providing and fixing unplasticised -PVC pipe clips of approved design to unplasticised - PVC rain water pipes by means of 50x50x50 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 mounting on the chair bracket with clear gap between the wall surface.etc. complete.				-
	12.43.2	110 mm	each	3.00	371.30	1,113.90
						-
373	12.44	Providing and fixing to the inlet mouth of rain water pipe cast iron grating 15 cm diameter and weighing not less than 440 grams.	each	1.00	54.70	54.70
						-
374	22.23 (AR)	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, reservoir, 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 0.50mm. 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.				-
	22.23.1	For vertical surface two coats @ 0.70 kg per sqm	sqm	164.19	472.90	77,645.45
	22.23.2	For horizontal surface one coat @ 1.10 kg per sqm.	sqm	27.51	362.80	9,980.63
						-
375	22.26	Providing and applying of swellable type water stop tape, 19 mm x 25 mm thick in linear metre (expansive nature) for construction joints treatment of RCC structure such as raft slab, retaining walls, water storage tank and at the junctions of raft slab with the retaining walls etc.. After cleaning the surface, one coat of required primer for swellable water stop tape shall be applied throughout the length of the joint @3.78 litre per 240 running metre. Over the primed surface swellable type water stop tape shall be placed. 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.	Rm	41.25	573.45	23,654.81
						-
376	22.70	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 Engineer-in-charge				-

Proposed Construction of Bank of Baroda's Residential Building at Plot No.03, H Block, Manoharpura, Sidhharth Nagar, Jaipur
BILL OF QUANTITIES

BILL OF QUANTITIES (MAIN BLOCK, CIVIL WORKS)						
S.No.	DSR Item No.	DESCRIPTION OF ITEM	UNIT	BOQ Qty	RATE	Amount (Rs)
1	2.00	3	5	4	6.00	7.00
		(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 Engineer-in-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 300x300 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".				
	22.7.1	With average thickness of 120 mm and minimum thickness at khurra as 65 mm.	sqm	23.66	1,684.60	39,857.64
377	12.55	Providing and fixing Heat Resistant Terrace Tiles (300 mm x 300 mm x 20 mm) with SRI (solar refractive index) > 78, solar reflection > 0.70 and initial emittance > 0.75 on waterproof and sloped surface of terrace, laid on 20 mm thick cement sand mortar in the ratio of 1 :4 (1 cement : 4 coarse sand) and grouting the joints with mix of white cement & marble powder in ratio of 1 :1. including rubbing and polishing of the surface upto 3 cuts complete, including providing skirting upto 150 mm height along the parapet walls in the same manner.				-
			sqm	23.66	1,703.95	40,315.46
		Total Amount of UG Tank DSR 2023				4,658,201.84
		Multiplying Factor .973 on PAR 2023 as per CPWD Circular 62 (SE)/TAS/2024-06-Hi. Dated 03.01.2025				4,532,430.39
		Add Cost Index @ 3% on PAR-2023 as on Date 17.06.2025 as per CPWD Circular DG/cost index/12 Dated 17.06.2025				135,972.91
		Total Amount of UG Tank DSR 2023				4,668,403.30
		BILL OF QUANTITIES (RAIN WATER HARVESTING)				
I		RAIN WATER HARVESTING				
		RECHARGE PITs				
378		Earth work in excavation by mechanical means (Hydraulic excavator)/manual means over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 sqm on plan) including getting out and disposal of excavated earth lead upto 50 m and lift upto 1.5 m, as directed by Engineer-in-charge.				
(A)	2.6.1	All kinds of soil	Cum	22.59	177.50	4,009.66
(B)	2.6.1+2.26.1	Extra for every additional lift of 1.5 m or part thereof in excavation / banking excavated or stacked materials.	Cum	22.59	304.30	6,874.02
(C)	2.6.1+2.26.1	In all kind of soil upto 3.0m to 4.5m. depth	Cum	22.59	481.80	10,883.68
(D)	2.6.1+2.26.1	In all kind of soil upto 4.5 m to 6.0m. depth	Cum	10.54	659.30	6,950.23
379	4.1.3	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : 1:2:4 (1 cement : 2 coarse sand (zone-III) : 4 graded stone aggregate 20 mm nominal size)	Cum	1.20	7,878.50	9,448.00
380	6.1.1	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth in: Cement mortar 1:4 (1 cement : 4 coarse sand)	Cum	24.14	7,370.65	177,932.51
381	4.1.2	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : 1:1½:3 (1 Cement: 1½ coarse sand (zone-III) : 3 graded stone aggregate 20 mm nominal size)	Cum	1.61	8,340.85	13,445.43
382	5.22.6	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level. Thermo-Mechanically Treated bars of grade Fe-500D or more.	KG	190.00	107.85	20,491.50
383	13.4.1	12 mm cement plaster of mix : 1:4 (1 cement: 4 coarse sand)	Sqm	46.16	357.25	16,489.95
384	5.90	Centering and shuttering including strutting, propping etc. and removal of form for :				
	5.9.1	Foundations, footings, bases of columns, etc. for mass concrete	Sqm	1.74	392.15	681.55
	5.9.2	Walls (any thickness) including attached pilasters, buttresses, plinth and string courses etc.	Sqm		842.50	-
	5.9.3	Suspended floors, roofs, landings, balconies and access platform	Sqm	10.75	927.25	9,964.83
385	19.15	Providing M.S. foot rests including fixing in manholes with 20x20x10 cm cement concrete blocks 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20mm nominal size) as per standard design.				
	19.15.1	With 20x20mm square bar	Nos.	10.00	544.70	5,447.00
386	19.19.2.2	Providing and fixing in position precast RCC manhole cover and frame of required shape and approved quality. M.D. -10- Circular shape 500mm internal diameter	No.	1.00	1,172.60	1,172.60
387	23.20	Boring/drilling bore well of required dia for casing/ strainer pipe, by suitable method prescribed in IS: 2800 (part I), including collecting samples from different strata, preparing and submitting strata chart/ bore log, including hire & running charges of all equipments, tools, plants & machineries required for the job, all complete as per direction of Engineer -in-charge, beyond 90 metre & upto 150 metre depth below ground level.				
	23.2.1.1	Drilling of 300mm dia bore hole manually.	MTR	25.00	825.70	20,642.50
388	23.40	Supplying, assembling, lowering and fixing in vertical position in bore well unplasticized PVC medium well screen (RMS) pipes with ribs, conforming to IS: 12818, including hire & labour charges, fittings & accessories etc. all complete, for all depths, as per direction of Engineer-in-charge.				
	23.4.2	150 mm nominal size dia	MTR	15.00	681.90	10,228.50

Proposed Construction of Bank of Baroda's Residential Building at Plot No.03, H Block, Manoharpura, Sidhharth Nagar, Jaipur
BILL OF QUANTITIES

BILL OF QUANTITIES (MAIN BLOCK, CIVIL WORKS)						
S.No.	DSR Item No.	DESCRIPTION OF ITEM	UNIT	BOQ Qty	RATE	Amount (Rs)
1	2.00	3	5	4	6.00	7.00
389	23.50	Supplying, filling, spreading & leveling stone boulders of size range 5 cm to 20 cm, in recharge pit, in the required thickness, for all leads & lifts, all complete as per direction of Engineer-in-charge.	cum	12.13	1,509.80	18,313.87
390	23.60	Supplying, filling, spreading & leveling gravels of size range 5 mm to 10 mm, in the recharge pit, over the existing layer of boulders, in required thickness, for all leads & lifts, all complete as per direction of Engineer-in-charge.	cum	13.11	1,538.25	20,166.46
391	23.70	Supplying, filling, spreading & leveling coarse sand of size range 1.5 mm to 2 mm in recharge pit, in required thickness over gravel layer, for all leads & lifts, all complete as per direction of Engineer-in-charge.	cum	13.11	1,538.25	20,166.46
392	23.80	Gravel packing in tubewell construction in accordance with IS: 4097, including providing gravel fine/ medium/ coarse, in required grading & sizes as per actual requirement, all complete as per direction of Engineer-in-charge.	Cum	1.00	2,024.50	2,024.50
		DESILTING CHAMBER				
393		Earth work in excavation by mechanical means (Hydraulic excavator)/manual means over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 sqm on plan) including getting out and disposal of excavated earth lead upto 50 m and lift upto 1.5 m, as directed by Engineer-in-charge.				
	2.6.1	All kinds of soil	Cum	10.05	177.50	1,784.00
394	2.6.1+2.26.1	Extra for every additional lift of 1.5 m or part thereof in excavation / banking excavated or stacked materials.	Cum	4.06	304.30	1,235.80
395		Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :				
	4.1.3	1:2:4 (1 cement : 2 coarse sand (zone-III) : 4 graded stone aggregate 20 mm nominal size)	Cum	1.04	7,878.50	8,184.03
396		Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth in:				
	6.1.1	Cement mortar 1:4 (1 cement : 4 coarse sand)	Cum	3.52	7,370.65	25,964.44
397		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	1:1½:3 (1 Cement: 1½ coarse sand (zone-III) : 3 graded stone aggregate 20 mm nominal size)	Cum	1.38	8,340.85	11,541.90
398		Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level.				
	5.22.6	Thermo-Mechanically Treated bars of grade Fe-500D or more.	qtl.	1.63	107.85	175.73
399		12 mm cement plaster of mix :				
	13.4.1	1:4 (1 cement: 4 coarse sand)	Sqm	17.36	357.25	6,201.86
400	5.90	Centering and shuttering including strutting, propping etc. and removal of form for :				
	5.9.1	Foundations, footings, bases of columns, etc. for mass concrete	Sqm	0.60	392.15	236.47
	5.9.2	Walls (any thickness) including attached pilasters, buttresses, plinth and string courses etc.	Sqm	1.50	842.50	1,263.75
	5.9.3	Suspended floors, roofs, landings, balconies and access platform	Sqm	6.93	927.25	6,421.39
401	19.15	Providing M.S. foot rests including fixing in manholes with 20x20x10 cm cement concrete blocks 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20mm nominal size) as per standard design.				
	19.15.1	With 20x20mm square bar	Nos.	12.00	544.70	6,536.40
402		Providing and fixing in position precast RCC manhole cover and frame of required shape and approved quality.				
	19.19.2.2	M.D. -10- Circular shape 500mm internal diameter	No.	2.00	544.70	1,089.40
		Total Amount Rain Water Harvesting DSR 2023				445,968.43
		Multiplying Factor .973 on PAR 2023 as per CPWD Circular 62 (SE)/TAS/2024-06-Hi. Dated 03.01.2025				433,927.28
		Add Cost Index @ 3% on PAR-2023 as on Date 17.06.2025 as per CPWD Circular DG/cost index/12 Dated 17.06.2025				13,017.82
		Total Amount Rain Water Harvesting DSR 2023				446,945.10
		BILL OF QUANTITIES (HORTICULTURE AND LANDSCAPING)				
		HORTICULTURE & LANDSCAPE				
403	2.1 DSR-2025 (H & L)	Trenching in ordinary soil up to a depth of 60 cm including removal and stacking of serviceable materials and then disposing of surplus soil, by spreading and neatly leveling within a lead of 50 m and making up the trenched area to proper levels by filling with earth or earth mixed with sludge or/and manure before and after flooding trench with water (excluding cost of imported earth, sludge or manure).	Cum	47.30	119.00	5,628.70
404	2.2 DSR-2025 (H & L)	Supplying and stacking of good earth at site including royalty and carriage up to 1 km (earth measured in stacks will be reduced by 20% for payment).	Cum	71.00	803.75	57,066.25
405	2.4.2 DSR-2025 (H & L)	Supplying and stacking at site dump manure from approved source, including carriage up to 1 km (manure measured in stacks will be reduced by 8% for payment) : Screened through sieve of I.S. designation 16 mm	Cum	23.70	447.05	10,595.09
406	2.7 DSR-2025 (H & L)	Fine dressing of the ground	Sqm	473.30	5.60	2,650.48
407	2.9 DSR-2025 (H & L)	Mixing earth and sludge or manure in the required proportion specified or directed by the Officer-in-charge..	Cum	94.70	55.70	5,274.79
408	2.1 DSR-2025 (H & L)	Grassing with selection No. 1/ Doob grass including watering and maintenance of the lawn for 30 days or more till the grass forms a thick lawn, free from weeds and fit for mowing including supplying good earth, if needed (the grass and good earth shall be paid for separately).				

Proposed Construction of Bank of Baroda's Residential Building at Plot No.03, H Block, Manoharpura, Sidhharth Nagar, Jaipur
BILL OF QUANTITIES

BILL OF QUANTITIES (MAIN BLOCK, CIVIL WORKS)						
S.No.	DSR Item No.	DESCRIPTION OF ITEM	UNIT	BOQ Qty	RATE	Amount (Rs)
1	2.00	3	5	4	6.00	7.00
	2.10.2	With grass Turf	Sqm	473.30	20.30	9,607.99
409	2.34 DSR-2025 (H & L)	Providing & laying Selection no. 1 grass turf with earth 50mm to 60mm thickness of existing ground prepared with proper level and ramming with required tools wooden and than rolling the surface with light roller make the surface smoothen and light watering the same maintenance for 30 days or more till the grass establish properly.as per direction of officer in charge	Cum	473.30	113.70	53,814.21
410	2.13 DSR-2025 (H & L)	Preparation of beds for hedging and shrubbery by excavating 60 cmdeep and trenching the excavated base to a further depth of 30 cm, refilling the excavated earth after breaking clods and mixing with sludge or manure in the ratio of 8:1 (8 parts of stacked volume of earth after reduction by 20% : one part of stacked volume of sludge or manure after reduction by 8%), flooding with water, filling with earth if necessary, watering and finally fine dressing, leveling etc. including stacking and disposal of materials declared unserviceable and surplus earth by spreading and leveling as directed, within a lead of 50 m, lift up to 1.5 m complete (cost of sludge, manure or extra earth to be paid for separately).	Cum	127.70	339.85	43,398.85
		SUPPLY OF PLANTS				
411	5.30 DSR-2025 (H & L)	Providing and Displaying Foxtail palm plant well developed with fresh & healthy foliage of ht. 210 to 240 cm in big 40 cm Cement Pot as per direction of the officer-in-charge.	Nos	10.00	1,295.30	12,953.00
412	8.76 DSR-2025 (H & L)	Supply and stacking of plant Thuja compacta of height 75-90 cm., conical shaped, well formed with healthy foliage in earthen pots of size 30 cm as per direction of the officer-in-charge.	Nos	15.00	140.85	2,112.75
413	5.44 DSR-2025 (H & L)	Providing and Displaying Washingtonia filifera palm plant well developed 90 to 105 cm ht. having 5 to 6 straight fresh and healthy leaves in 35 cm Cement Pot as per direction of the officer-in-charge.	Nos	5.00	586.05	2,930.25
414	5.37 DSR-2025 (H & L)	Providing and Displaying Phoenix roebelenii palm plant well developed having 20 to 25 fresh & healthy leaves 90 to 105 cm ht. in 30 cm Cement Pot as per direction of the officer-in-charge.	Nos	5.00	586.05	2,930.25
415	5.11 DSR-2025 (H & L)	Providing and Displaying Bismarkia Palm plant 115 to 180 cm ht., well developed 12 and above good color fresh and healthy leaves in 40 cm Cement Pot as per direction of the officer-in-charge.	Nos	10.00	2,140.65	21,406.50
416	5.13 DSR-2025 (H & L)	Providing and Displaying Cycus cirsnallis plant well developed with fresh & healthy 35 to 40 lush green leaves in 40 cm Cement Pot as per direction of the officer-in-charge.	Nos	5.00	2,159.15	10,795.75
417	5.39 DSR-2025 (H & L)	Providing and Displaying Topiary plant of Ficus Nuda well developed with fresh & healthy foliage from Top to Bottom with single pillar 75 to 90 cm spread, 195 to 210 cm ht. in 35 cm Cement Tray /Cement Pot as per direction of the officer-in-charge.	Nos	5.00	1,357.20	6,786.00
418	7.45 DSR-2025 (H & L)	Supply and stacking of Grevillea robusta (Silver Oak) plant of height 150- 165 cm. in big poly bags of size 25 cm as per direction of the officer-in-charge.	Nos	10.00	54.15	541.50
419	7.68 DSR-2025 (H & L)	Supply and stacking of Plumeria acutifolia plant of height 150-165 cm. with 3-4 branches in big size HDPE bag as per direction of the officer-in-charge	Nos	15.00	216.65	3,249.75
420	7.21 DSR-2025 (H & L)	Supply and stacking of Chorisia speciosa plant of height 150-165 cm. in big poly bags of size 25 cm as per direction of the officer-in-charge.	Nos	5.00	86.55	432.75
421	7.77 DSR-2025 (H & L)	Supply and stacking of Polyalthia pendula (Ashok Pendula) plant of height 180-195 cm. in gunny bag of size 30 cm as per direction of the officer-in-charge.	Nos	15.00	108.35	1,625.25
422	7.5 DSR-2025 (H & L)	Supply and stacking of Azadirachta indica (Neem) plant of height 120- 130cm in big polybag of size 25 cm as per direction of the officer-in-charge.	Nos	15.00	72.20	1,083.00
423	7.75 DSR-2025 (H & L)	Supply and stacking of Polyalthia longifolia (Ashok) plant of height 180- 195 cm. in gunny bag of size 30 cm as per direction of the officer-in-charge.	Nos	15.00	108.35	1,625.25
424	7.7 DSR-2025 (H & L)	Supply and stacking of Bauhinia blakeana (Kachnar) plant of height 120- 150 cm. in big poly bags of size 25 cm as per direction of the officer-in-charge.	Nos	15.00	86.65	1,299.75
425	7.11 DSR-2025 (H & L)	Supply and stacking of Bottle palm plant of ht. 210-240 cm bottom girth 30-35 cm well developed in big HDPE bags.	Nos	15.00	379.15	5,687.25
		Total Amount Horticulture and Landscaping				263,495.36
		Multiplying Factor .973 on PAR 2023 as per CPWD Circular 62 (SE)TAS/2024-06-Ht. Dated 03.01.2025				256,380.99
		Add Cost Index @ 3% on PAR-2023 as on Date 17.06.2025 as per CPWD Circular DG/cost index/12 Dated 17.06.2025				7,691.43
		Total Amount Horticulture and Landscaping				264,072.42
		HORTICULTURE AND LANDSCAPINGNon-Schedule				
426	MR	Flowering & Indoor Potted Plants in 10" earthen Pots	Nos	50.00	350.00	17,500.00
		Total Amount Horticulture NS				17,500.00