

**Name of Work - Exterior Façade Treatment & Interior Renovation for Reception for SIDBI Tower ,15 ,
Ashok Marg, Lucknow**

<u>COST SUMMARY OF MAJOR CIVIL, INTERIOR FITMENTS AND ELECTRICAL WORKS</u>					
Sl. No.	Description	Amount in Rs.			
		AS PER SOR	AS PER DSR	AS PER MR	TOTAL AMOUNT
A	CIVIL WORK				
1	EARTH WORK	30842.50	0.00	0.00	30842.50
2	CONCRETE WORK	17171.34	0.00	0.00	17171.34
3	REINFORCEMENT CONCRETE WORK	231282.00	314414.92	0.00	545696.92
4	GRC JALI	0.00	0.00	2063959.83	2063959.83
5	BRICK WORK	734836.42	15154.49	0.00	749990.91
6	STRUCTURAL GLAZING WORK	0.00	10765030.22	1614050.75	12379080.97
7	WOOD & PVC WORK	0.00	2675975.06	0.00	2675975.06
8	STEEL WORK	1374882.80	7846.45	93984.00	1476713.24
9	WATER PROOFING	0.00	31111.13	0.00	31111.13
10	FINISHING (Plaster, paint etc)	3499.79	1260832.30	0.00	1264332.09
11	TILES, STONE WORK & STAMP CONCRETE	0.00	2853133.03	28245451.19	31098584.22
12	FALSE CEILING	0.00	494565.44	0.00	494565.44
13	DISMANTLING	0.00	382261.21	2727272.30	3109533.51
14	MISCELLANEOUS WORK & FURNITURE	0.00	0.00	1556773.80	1556773.80
15	HORTICULTURE & LANDSCAPING	0.00	0.00	643129.88	643129.88
16	PLUMBING WORKS	0.00	231862.46	401352.54	633215.00
17	ELECTRICAL WORKS	189712.00	715258.64	1033786.00	1938756.64
	TOTAL (A)	2582226.84	19747445.35	38379760.28	60709432.48
	PERCENTAGE QUOTED				
	GRAND TOTAL (IN FIGURES)				
	GRAND TOTAL (IN WORDS)				
	Note - All the amount is exclusive of GST				

Name of Work - Exterior Façade Treatment & Interior Renovation for Reception for SIDBI Tower ,15 , Ashok Marg, Lucknow											
BOQ SIDBI TOWER As per PWD 2018 and DSR 2016											
SIDBI TOWER											
					AS PER SOR		AS PER DSR		AS PER MR		
S.N.	PWD/D SR	Item No. NBO	DESCRIPTION OF ITEM OF WORK	QTY	UNIT	RATE (Rs)	AMOUNT (Rs)	RATE (Rs)	AMOUNT (Rs)	RATE (Rs)	AMOUNT (Rs)
			EARTH WORK								
1	251	PWD LKO	EXCAVATION in foundation in ordinary Soil (Loam clay or sand) including lift upto 1.5m lead upto 30.0 m & including filling watering and ramming of excavated earth into the space between the building & sides of foundation trenches or into the plinth and removal & disposal surplus earth as directed by the engineer I/C within a lead of 30 m.from foundation trenches.	104.25	CUM.	110.00	11467.50				
2	255	PWD LKO	Filling of available excavated earth in trenches, plinth, sides of foundation etc. inlayers not exceeding 20 cms in depth, consolidating each deposited layer by ramming and watering including lead upto 50m & lift upto 1.50m.	0.00	CUM.	75.00	0.00				
3		PWD LKO	Providing and injecting chemical emulsion for preconstructional antitermite treatment and creating a chemical barrier under and around the coloumn pitwall tench basement excavation top surface if plinth filling junction of wall and floor along the external perimer of binding expansion joints,surrounding of pipes and conduits etc.complete(plinth area of the building at ground floor only shall be measured as per I.S.6313(Part II 1981) aldrine emulsifiable concrete or any other approved material such as hepthachlor or chlordance will be used.The rate of application of chemical emulsion shall be as follows:- (1) treatment for masonary & foundation 5 litres per sq.m. (2) back fill in immediate contract with foundation 7.5 litre per sq.m (3)treatment of top surface of plinth filling 5 liters per sq.m. (4) treatment of soil along external parameter of building 7.50 lire per sq.m.	77.50	CUM.	250.00	19375.00				
SUB TOTAL							30842.50		0.00		0.00
			CONCRETE								

4	281	PWD LKO	Providing and laying Cement concrete 1:4:8 (1cement :4 coarse sand :8 graded stone ballast 40 mm. nominal size) including supply of all materials, labour and T&P etc. required for proper completion of the work and curing complete, also including cost of formwork in foundation.	3.17	CUM.	5410.00	17171.34			
			SUB TOTAL				17171.34	0.00	0.00	
			REINFORCED CEMENT CONCRETE							
5	5.33	DSR	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	10.56	CUM.		6489.33	68514.35		

6	5.33	DSR	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).							
	5.33.2	A	All works above plinth level upto floor V level	22.00	CUM.			7298.28	160551.96	
7	504	PWD LKO	Mild steel or iron in plain work such as in reinforced concrete or reinforced brick work (when not included in overall rates) wrought to required shape as necessary including bending for proper completion of the work and including supply of steel its wastage. Bend hooks and authorized overlapping shall be measured.	42.83	QTL	5400.00	231282.00			
8	5.9	DSR	Centering and shuttering including strutting, propping etc. and removal of form for :							
	5.9.1		Foundations, footings, bases of columns, etc. for mass concrete	46.76	SQM			195.24	9129.43	
	5.9.3		Suspended floors, roofs, landings, balconies and access platform	121.50	SQM			425.11	51648.96	
	5.9.4		Shelves (Cast in situ)	0.00	SQM			425.11	0.00	
	5.9.5		Lintels, beams, plinth beams, girders, bressumers and cantilevers	42.69	SQM			345.18	14736.53	
	5.9.6		Columns, Pillars, Piers, Abutments, Posts and Struts	20.88	SQM			470.96	9833.69	
	5.9.8		Spiral staircases (including landing)	0.00	SQM			383.94	0.00	
	5.9.10		Extra for Arches, Domes, Vaults exceeding 6 m span	0.00	SQM			454.81	0.00	
	5.9.17		Cornices and mouldings	0.00	SQM			568.86	0.00	
	5.9.19		Weather shade, Chajjas, corbels etc., including edges	0.00	SQM			525.22	0.00	
	5.9.20		Suspended floors, roofs, landings, balconies and access platform. with water proof ply 12 mm thick	0.00	SQM			500.76	0.00	
	5.9.14		Extra for shuttering in circular work (20% of respective centering and shuttering items)		SQM					
			For Columns	0.00	SQM			94.19	0.00	
			For Beams	0.00	SQM			69.04	0.00	
			SUB TOTAL					231282.00	314414.92	0.00

GRC JALI WORK										
9		MR	Providing & fixing GRC panel (60mm thick) on external walls as per the architectural drawing. Fixing to be done on external wall including the necessary SS clamps, scaffoldings required etc. complete by speicalised vendor in strict supervision of manufacturer as per direction of Engineer-in-Charge. 60 MM THICK	381.37	SQM				5412.00	2063959.83
SUB TOTAL								0.00	0.00	2063959.83
BRICK WORK										
10	303+307-306	PWD LKO	Class-150 brick work in 1:6 cement and COARSE sand mortar in foundation and plinth including supply of all materials, labour tools and plants, etc. Required for proper completion of the work.	3.72	CUM	3650.00		13560.95		
11	303+307-306+309+310	PWD LKO	Class-150 brick work in 1:6 cement and COARSE sand mortar in SUPERSTRUCTURE including supply of all materials, labour tools and plants, etc. Required for proper completion of the work							
		A	GROUND FLOOR	44.35	CUM	4265.00		189140.11		
		B	1ST FL.	12.63	CUM	4307.65		54403.40		
		C	2ND FL.	9.30	CUM	4350.30		40450.10		
		D	3rd FL.	9.30	CUM	4392.95		40846.67		
		E	4rth FL.	9.30	CUM	4435.60		41243.24		
		F	5th FL.	9.30	CUM	4478.25		41639.81		
		G	6th FL.	9.30	CUM	4520.90		42036.38		
		H	7th FL.	12.06	CUM	4563.55		55028.35		
		I	8th FL.	6.40	CUM	4606.20		29480.75		
		J	TERRACE	7.93	CUM	4648.85		36865.10		
12	305b+309+310+310a	PWD LKO	Class-150 reinforced HALF brick work in 1:4 cement and COARSE sand mortar in SUPERSTRUCTURE including supply of all materials, labour tools and plants, etc.							
		A	GROUND FLOOR	13.00	CUM	4790.00		62278.16		
		B	1st FL.	2.12	CUM	4837.90		10242.56		
		C	2nd FL.	1.82	CUM	4885.80		8888.74		
		D	3rd FL.	1.82	CUM	4933.70		8975.88		
		E	4th FL.	1.82	CUM	4981.60		9063.02		
		F	5th FL.	1.82	CUM	5029.50		9150.17		
		G	6th FL.	1.82	CUM	5077.40		9237.31		
		H	7th FL.	1.82	CUM	5125.30		9324.46		
		I	8th FL.	1.82	CUM	5173.20		9411.60		
		J	TERRACE	2.60	CUM	5221.10		13569.64		

13	6.15	DSR	Extra for providing and placing in position 2 Nos 6mm dia. M.S. bars at every third course of half brick masonry.	264.81	SQM		57.23	15154.49		
			SUB TOTAL				734836.42	15154.49		0.00
			ALUMINIUM WORK							
14	21.1	DSR	Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/ appropriate Z sections and other sections of approved make conforming to IS: 733 and IS: 1285, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/ neoprene gasket etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing / paneling, C.P. brass / stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing, paneling and dash fasteners to be paid for separately)							
	21.1.1.2	A	powder coated aluminium (minimum thickness of powder coating 50 micron)	64.80	KG		387.06	25081.33		
	21.1.2.2	B	For shutters of doors, windows & ventilators including providing and fixing hinges/ pivots and making provision for fixing of fittings wherever required including the cost of EPDM rubber / neoprene gasket required (Fittings shall be paid for separately) Powder coated aluminium (minimum thickness of powder coating 50 micron)	70.20	KG		447.86	31439.73		
15	21.3.2	DSR	Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with EPDM rubber / neoprene gasket etc. complete as per the architectural drawings and the directions of engineer-in-charge (Cost of aluminium snap beading shall be paid in basic item): With float glass panes of 5.50 mm thickness	7.20	SQM		1010.63	7276.52		

16	21.2.2	DSR	Providing and fixing 12 mm thick prelaminated particle board flat pressed three layer or graded wood particle board conforming to IS: 12823 Grade I Type II, in panelling fixed in aluminum doors, windows shutters and partition frames with C.P. brass / stainless steel screws etc. complete as per architectural drawings and directions of engineer-in-charge Pre-laminated particle board with decorative lamination on both sides	3.60	SQM		872.36	3140.51		
17	21.4	DSR	Providing and fixing double action hydraulic floor spring of approved brand and manufacture conforming to IS 6315 having brand logo embossed on the body/plate with double spring mechanism and door weight upto 125 kg, for doors, including cost of cutting floors, embedding in floors as required and making good the same matching to the existing floor finishing and cover plates with brass pivot and single piece M.S. sheet outer box with slide palte etc. complete as per the direction of Engineer-in-charge.							
	21.4.1		With stainless steel cover plate minimum 1.25 mm thickness.							
			Floor Spring	3.00	NO		2068.07	6204.20		
18	21.18	DSR+ AR	Providing and fixing 12 mm thick frameless toughened glass door shutter with all hardware of approved brand and manufacture, including providing and fixing top & bottom pivot & spring type fixing arrangement and making necessary holes etc. for fixing required door fittings, all complete as per direction of Engineer-in-charge	21.75	SQM		7839.51	170509.28		
19		MR	Providing and fixing 12 mm thick toughened glass automatic sensor based sliding door shutter with all hardware of approved brand and manufacture, all complete as per direction of Engineer-in-charge	1.00	SET				131658.00	131658.00
20	25.1	DSR	Providing and supplying aluminium extruded tubular and other aluminium sections as per the architectural drawings and approved shop drawings , the aluminium quality as per grade 6063 T5 or T6 as per BS 1474,including super durable powder coating of 60-80 microns conforming to AAMA 2604 of required colour and shade as approved by the Engineer-in-Charge. (The item includes cost of material such as cleats, sleeves, screws etc. necessary for fabrication of extruded aluminium frame work. Nothing extra shall be paid on this account). for STRUCTURAL GLAZING WORK	6024.32	KG		340.48	2051189.79		

21	25.2	DSR	Designing, fabricating, testing, protection, installing and fixing in position semi (grid) unitized system of structural glazing (with open joints) for linear as well as curvilinear portions of the building for all heights and all levels, including:							
			a) Structural analysis & design and preparation of shop drawings for the specified design loads conforming to IS 875 part III (the system must passed the proof test at 1.5 times design wind pressure without any failure), including functional design of the aluminum sections for fixing glazing panels of various thicknesses, aluminium cleats, sleeves and splice plates etc. gaskets, screws, toggles, nuts, bolts, clamps etc., structural and weather silicone sealants, flashings, fire stop (barrier)-cum-smoke seals, microwave cured EPDM gaskets for water tightness, pressure equalisation & drainage and protection against fire hazard including:	926.82	SQM			2425.93	2248400.57	
22	25.3	DSR	Providing, assembling and supplying visionglass panels (IGUs) comprising of hermetically-sealed 6-12- 6 mm insulated glass (double glazed) vision panel units of size and shape as required and specified, comprising of an outer heat strengthened float glass 6mm thick, of approved colour and shade with reflective soft coating on surface # 2 of approved colour and shade, an inner Heat strengthened clear float glass 6mm thick, spacer tube 12mm wide, dessicants, including primary seal and secondary seal (structural silicone sealant) etc. all complete for the required performances, as per the Architectural drawings, as per the approved shop drawings, as specified and as directed by the Engineer-in-Charge. The IGUs shall be assembled in the factory/ workshop of the glass processor. (Payment for fixing of IGU Panels in the curtain glazing is included in cost of item No.26.2) For payment, only the actual area of glass on face # 1 of the glass panels (excluding the areas of the grooves and weather silicone sealant) provided and fixed in position, shall be measured in sqm	1268.90	SQM			3755.52	4765366.51	

23	25.4	DSR	Extra for openable side / top hung vision glass panels (IGUs) including providing and supplying at site all accessories and hardwares for the openable panels as specified and of the approved make such as heavy duty stainless steel friction hinges, min 4 -point cremone locking sets with stainless steel plates, handles, buffers etc. including necessary stainless steel screws/ fasteners, nuts, bolts, washers etc. all complete as per the Architectural drawings, as per the approved shop drawings, as specified and as directed by the Engineerin- Charge.	46.34	SQM			2961.17	137220.47		
24	21.8	D.S.R.	Filling the gap in between aluminium frame & adjacent RCC/ Brick/ Stone work by providing weather silicon sealant over backer rod of approved quality as per architectural drawings and direction of Engineer-in-charge complete.								
	21.8.1		Upto 5mm depth and 5 mm width	293.50	RMT			62.87	18450.99608		
25		MR	Providing & fixing of 12 mm toughned glass partition with all hardware as per design with edge polish all complete as per drawing, specification and direction of engineer incharge. NSI	344.74	SQM					4300	1482392.75
26	25.8	DSR	Design supply & installation of suspended Spider Glazing system designed to withstand the wind pressure as per IS 875 (Part-III). The Suspended System held with Spider Fittings of SS-316 Grade Steel of approved manufacturer with glass panel having 12 mm thick clear toughened glass held together with SS- 316 Grade Stainless steel Spider & bolt assembly with laminated glass fins 21 mm thick. The Glass fins and glass panel assembly shall be connected to Slab/beams by means of SS- 316 Grade stainless steel brackets & Anchor bolts and at the bottom using SS channel of 50x25x2mm using fastener & anchor bolts, non staining weather sealants of approved make, Teflon/ nylon bushes and separators to prevent bi-metallic contacts, all complete to perform as per specification and approved drawings. The complete system to be designed to accommodate thermal expansion & seismic movements etc. The joints between glass panels (6 to 8 mm) and gaps at the perimeter & in U channel of the assembly to be filled with non staining weather sealant, so as to make the entire system fully water proof & dust proof.								

			The rate shall include all design, Engineering and shop drawing including approval from structural designer, labour, T&P, scaffolding, other incidental charges including wastage, enabling temporary services all fitting fixers nut bolts, washer, Buffer plates, fastener, anchors, SS channel laminated glass etc. all complete. For the purpose of payment, actual elevation area of Glazing including thickness of joints and the portion of Glass panel inside the SS channel shall be measured. (Colour of glass will be approved by architect)	186.50	SQM			6974.64	1300750.314		
			SUB TOTAL					0.00	10765030.22		1614050.75
			DOOR WINDOW WOOD/FRP WORK								
27	9.76	DSR	Providing and fixing bright finished brass 100 mm mortice latch and lock with 6 levers and a pair of lever handles of approved quality with necessary screws etc. complete.	3.00	NO			560.15	1680.45		
28	9.97.2	DSR	Providing and fixing aluminium tower bolts, ISI marked, powder coated (minimum thickness of powder coating 50 micron) transparent or dyed to required colour or shade, with necessary screws etc. complete : 250x10 mm.								
			250x10 mm	9.00	NO			88.69	798.17		
			200x10 mm	3.00	NO			76.66	229.97		
29	9.100.1	DSR	Providing and fixing aluminium handles, ISI marked, powder coated (minimum thickness of powder coating 50 micron) transparent or dyed to required colour or shade, with necessary screws etc. complete :125 mm.	9.00	NO			51.44	462.96		
30	9.101.1	DSR	Providing and fixing aluminium hanging floor door stopper, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour and shade, with necessary screws etc. complete. Single rubber stopper	6.00	NO			27.73	166.40		
31	9.135.2	DSR	Providing and fixing fly proof stainless steel grade 304 wire gauge, to windows and clerestory windows using wire gauge with average width of aperture 1.4 mm in both directions with wire of dia. 0.50 mm all complete. With 12 mm mild steel U beading	342.08	SQM			1,101.38	376757.09		

32	9.121	D.S.R.	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 2 mm 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.	45.40	RMT			418.26	18989.18		
33	9.122.1	D.S.R.	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.	12.39	SQM			2201.90	27281.54		

34	9.147F	D.S.R.	Providing and fixing factory made UPVC white colour sliding glazed door comprising of UPVC multi-chambered frame with in-built roller track and sash extruded profiles duly reinforced with 1.60 ± 0.2 mm thick galvanized mild steel section made from roll forming process of required length (shape & size according to UPVC profile), appropriate dimension UPVC extruded glazing beads, UPVC extruded interlock and UPVC extruded Inline sash adaptor (if required), EPDM gasket, wool pile, zinc alloy (white powder coated) handle with key on one side of extreme panels along with zinc plated mild steel multi point locking having transmission gear with keeps, zinc alloy (white powder coated) crescent lock (if required), stainless steel (SS 304 grade) body with adjustable double nylon rollers (weight bearing capacity to be 120 kg), G.I fasteners 100 x 8 mm size for fixing frame to finished wall and necessary stainless steel screws etc. Profile of frame & sash shall be mitred cut and fusion welded at all corners, including drilling of holes for fixing hardware's 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 required size and of approved quality, all complete as per approved drawing & direction of Engineer-in- Charge. (Single / double glass panes, wire mesh and silicon sealant shall be paid separately). Note: For uPVC frame and sash extruded profiles minus 5% tolerance in dimension i.e. in depth & width of profile shall be acceptable.							
	9.147F.4		Three track three panels sliding door with fly proof S.S wire mesh (Two nos. glazed & one no. wire mesh panels) made of (big series) frame 116 x 45 mm & sash 46 x 82 mm both having wall thickness of 2.3 ± 0.2 mm and single glazing bead / double glazing bead of appropriate dimension. (Area of door above 2.00 sqm upto 5.00 sqm)	342.08	SQM		6576.31	2249609.30		
			SUB TOTAL				0.00	2675975.06		0.00
			MS/ SS WORK							
35	503	PWD	Mild steel or iron work of small size and sections such as holding down bolts, hold fast, tie rods, grating etc. wrought to required shape as necessary for bending etc including supply fo steel and its wastage including cost of bolts, nuts if required, welding, grinding and making holes as required for completion of work in heavy sections such as trusses, built up gates, record racks, roof work, gates etc. including riveting or welding where necessary.							
				23502.27	K.G.	58.50	1374882.80			

36		MR	Providing and fixing chemical anchor fastner 10X160 mm, chemical VM- 250 at all height required for fabrication work.	712.00	NO				132.00	93984.00
37	10.28	DSR	Providing and fixing stainless steel (Grade 304) railing made of hallow tubes, chanells, plates etc. including welding grinding buffing, polishing and making corvechare (wherever required) and fitting the same with necessary stainless steel nuts and bolts complete, i/c fixing railing with necessary accessories and 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 assessories such as nuts, bolts, fasteners etc.	16.50	KG		475.54	7846.45		
SUB TOTAL							1374882.80	7846.45		93984.00
WATER PROOFING										
37			Providing and laying integral cement based water proofing treatment including preparation of surface as required for treatment of roofs, balconies, terracesetc 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 Engineerin- 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. SUB HEAD : 22- WATER PROOFING 1548 (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	DSR	With average thickness of 120 mm and minimum thickness at khurra as 65 mm.	20.00	SQM.			1041.53	20829.40	
38	22.5	DSR	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.	34.24	SQM			300.28	10281.73	
			SUB TOTAL					0.00	31111.13	0.00
			FINISHING							
39	13.4.2	DSR	12 mm cement plaster in single coat on smooth side of single or half brick wall for interior plastering upto floor two level including brick wall for interior plastering upto floor two level including internal rounded angles chamfers and/or rounded angles not exceeding 80mm in girth and finished even and smooth no. extra for mixing and additive. (iii) 1 cement :6 C. sand ON INNER SURFACE	100.27	SQM			169.37	16982.29	
40	13.5.2	DSR	15 mm cement plaster in single coat on rough side of single or half brick wall for interior plastering upto floor two level including internal rounded angles not exceeding 80mm in girth and finished even and smooth (i) 1 cement: (iii) 1 cement: 6 coarse sand	5184.21	SQM			195.89	1015557.84	

41	583+58 7	Item No. NBO	12 mm cement plaster in single coat on fair side of single or half brick wall for single or half brick wall for interior plastering upto floor two level including brick wall for interior plastering upto floor two level including internal rounded angles chamfers and/or rounded angles not exceeding 80mm in girth and finished even and smooth no. extra for mixing and additive. (i) 1 cement: 3 course sand in ceiling.	20.00	SQM.	175.00	3499.79				
42	13.21	DSR	Extra for providing and mixing water proofing material in cement plaster work in proportion recommended by the manufacturers.	420.00	PER BAG		50.68	21287.67			
43	13.60.1	DSR	Wall painting with acrylic emulsion paint of approved brand and manufacture to give an even shade : Two or more coats on new work	220.53	SQM		85.01	18748.03			
44	13.46.1	DSR	Finishing walls with Acrylic Smooth exterior paint of required shade : New work (Two or more coat applied @ 1.67 ltr/10 sqm over and including priming coat of exterior primer applied @ 2.20 kg/10 sqm)	83.94	SQM.		96.69	8116.24			
45	13.52.1	DSR	Finishing with Epoxy paint (two or more coats) at all locations prepared and applied as per manufacturer's specifications including appropriate priming coat, preparation of surface, etc. complete.	948.67	SQM		123.31	116985.56			
46	13.80	DSR	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.s.	304.48	SQM		87.93	26772.92			
47	13.26	DSR	Providing and applying plaster of paris putty of 2 mm thickness over plastered surface to prepare the surface even and smooth complete.	304.48	SQM		119.49	36381.75			
SUB TOTAL							3499.79	1260832.30			0.00
TILES AND STONE FLOORING WORK											

48	11.36	DSR	Providing and fixing Ist 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.	173.24	SQM.			749.75	129886.38		
49	11.40	DSR	Providing and laying rectified antiskid Ceramic floor tiles of size 300x300 mm or more (thickness to be specified by the manufacturer), of 1st quality conforming to IS : 15622, of approved make, in all colours, shades, except White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick Cement Mortar 1:4 (1 Cement : 4 Coarse sand), jointing with grey cement slurry @ 3.3 kg/ sqm including pointing the joints with white cement and matching pigments etc., complete.	41.81	SQM.			907.04	37925.62		
50	8.12	DSR	Providing and laying 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 Engineerin- Charge :	73.38	SQM			2907.06	213322.92		
51			Providing and laying machine cut, mirror polished, Italian Marble stone flooring laid in required pattern in linear portion of the building all complete as per architectural drawings, with 18 mm thick stone slab laid over 20 mm (average) thick base of cement mortar 1:4 (1 cement : 4 coarse sand) laid and jointed with white cement slurry @ 4.4 kg/sqm including pointing with white cement slurry admixed with pigment to match the marble shade including rubbing, curing and polishing etc. all complete as specified and as directed by the Engineer-in-Charge.	264.74	SQM			5039.40	1334112.99		

52	8.11	DSR	Providing and fixing machine cut, mirror/ eggshell polished , Marble stone work for wall lining (vener work) including dado, skirting, risers of steps etc., in required design and pattern wherever required, stones of different finished surface texture, on 12 mm (average) thick cement mortar 1:3 (1 cement : 3 coarse sand) laid and jointed with white cement slurry @ 3.3 kg/sqm including pointing with white cement slurry admixed with pigment of matching shade, including rubbing, curing, polishing etc. all complete as per Architectural drawings, and as directed by the Engineer-in-Charge.“a. 18 mm thick Italian Marble stone slab,Perlato, Rosso verona, Fire Red / Red Travertine etc.	163.70	SQM		6691.57	1095429.55		
53	8.2.2	DSR	Providing and fixing 18mm 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 20mm 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		Area of slab over 0.50 sqm.	7.40	SQM		3134.01	23177.88		
54	8.3.2	DSR	Providing edge moulding to 18 mm thick marble stone counters, Vanities etc., including machine polishing to edge to give high gloss finish etc. complete as per design approved by Engineer-in-Charge. Granite work.	7.36	RMT		247.33	1820.38		
55	8.4	DSR	Extra for fixing marble /granite stone, over and above corresponding basic item, in facia and drops of width upto 150 mm with epoxy resin based adhesive, including cleaning etc. complete.	7.36	RMT		268.02	1972.63		
56	8.50	DSR	Extra for providing opening of required size & shape for wash basin/ kitchen sink in kitchen platform, vanity counter and similar location in marble/Granite / stone work, including necessary holes for pillar taps etc. including moulding, rubbing and polishing of cut edges etc. complete.	5.00	nos.		430.80	2153.98		

57	16.90	DSR	Providing and laying tactile tile of size 300x300x9.8mm having with water absorption less than 0.5% and conforming to IS: 15622 of approved make in all colours and shades in for outdoor floors such as footpath, court yard, multi modals location etc., laid on 20mm thick base of cement mortar 1:4 (1cement : 4 coarse sand) in all shapes & patterns including grouting the joints with white cement mixed with matching pigments etc. complete as per direction of Engineer-in-Charge.	9.13	SQM			1460.10	13330.70	
58		AR	Supply & Application of a polyacrylate, modified cementations, vertical stamping system that can be applied over rough plastered wall to achieve the appearance stone, wood, tile or brick.	6016.11	SQM				4105.00	24696150.74
59		AR	Providing and fixing Unistone wall cladding on interior and exterior wall of vertical garden	50.00	SQM				1322.34	66116.95
60		AR	Providing and fixing 10x10x7.50 cm Granite cobble stone blocks hand cut and chisel dressed on top, for paving in floors, drains etc. laid over 20mm thick base mortar 1:4 (1 cement : 4 coarse sand) with joints 10mm wide filled with same mortar including ruled pointing etc. complete as per direction of engineer-in-charge.	1605.00	SQM				2170.21	3483183.50
SUB TOTAL								0.00	2853133.03	28245451.19
FALSE CEILING										

61	12.54	DSR	Providing and fixing GI Clip in Metal Ceiling System of 600x600 mm module which includes providing and fixing 'C' wall angle of size 20x30x20 mm made of 0.5 mm thick pre painted steel along the perimeter of the room with help of nylon sleeves and wooden screws at 300 mm center to centre, suspending the main C carrier of size 10x38x10 mm made of G.I steel 0.7 mm thick from the soffit with help of soffit cleat 37x27x25x1.6 mm, rawl plugs of size 38x12 mm and C carrier suspension clip and main carrier bracket at 1000 mm c/c. Inverted triangle shaped Spring Tee having height of 24 mm and width of 34 mm made of GI steel 0.45 mm thick is then fixed to the main C carrier and in direction perpendicular to it at 600 mm centers with help of suspension brackets. Wherever the main C carrier and spring T have to join, C carrier and spring T connectors have to be used. All sections to be galvanized @ 120 gms/sqm (both side inclusive), fixing with clip in tiles into spring 'T' with							
	12.54.1		GI Metal Ceiling Clip in plain Beveled edge global white color tiles of size 600x600 and 0.5 mm thick with 25 mm height, made of G I 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.	97.73	SQM			1338.49	130808.40	
62	12.53		Providing and Fixing 15 mm thick densified tegular edged eco friendly light weight calcium silicate false ceiling tiles of approved texture of size 595 x 595 mm in true horizontal level, suspended on inter locking metal grid of hot dipped galvanised steel sections (galvanising @ 120 grams per sqm including both side) consisting of main 'T' runner suitably spaced at joints to get required length and of size 24x38 mm made from 0.33 mm thick (minimum) sheet, spaced 1200 mm centre to centre, and cross "T" of size 24x28 mm made out of 0.33 mm (Minimum) sheet, 1200 mm long spaced between main'T' at 600 mm centre to centre to form a grid of 1200x600 mm and secondary cross 'T' of length 600 mm and size 24 x28 mm made of 0.33 mm thick (Minimum) sheet to be inter locked at middle of the 1200x 600 mm panel to from grid of size 600x600 mm, resting on periphery walls /partitions on a Perimeter wall angle pre-coated steel of size(24x24X3000 mm made of 0.40 mm thick (minimum) sheet with the help of rawl plugs at 450 mm centre to centre with 25 mm long dry wall screws @ 230 mm interval and laying							

			15 mm thick densified edges calicum silicate ceiling tiles of approved texture in the grid, including, cutting/ making opening for services like diffusers, grills, light fittings, fixtures, smoke detectors etc., wherever required. Main 'T' runners to be suspended from ceiling using G.I. slotted cleats of size 25x35x1.6 mm fixed to ceiling with 12.5 mm dia and 50 mm long dash fasteners, 4 mm G.I. adjustable rods with galvanised steel level clips of size 85 x 30 x 0.8 mm, spaced at 1200 mm centre to centre along main 'T', bottom exposed with 24 mm of all Tsections shall be pre-painted with polyster baked paint, for all heights, as per specifications, drawings and as directed by Engineer-in-Charge.	241.24	SQM		1507.86	363757.04		
			SUB TOTAL				0.00	494565.44		0.00
			DISMANTLING							
63	15.7	DSR	Demolishing brick work manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 metres lead as per direction of Engineer-in-charge.							
	15.7.4		In cement mortar	28.70	CUM		848.36	24344.19		
64	15.12	DSR	Dismantling doors, windows and clerestory windows (steel or wood) shutter including chowkhats, architrave, holdfasts etc. complete and stacking within 50 metres lead :							
	15.12.1		Of area 3 sq. metres and below	70.14	EACH		158.90	11145.24		
	15.12.2		Of area beyond 3 sq. metres	324.53	EACH		217.84	70695.00		
65		DSR	Dismantling steel work manually/ by mechanical means in built up sections without dismembering and stacking within 50 metres lead as per direction of Engineer-in-charge.	5630.70	KG		1.61	9069.05		
66	15.25	DSR	Dismantling stone slab flooring laid in cement mortar including stacking of serviceable material and disposal of unserviceable material within 50 metres lead.	385.22	SQM		110.08	42404.01		
67		MR	Dismantling of sand stone/ marble/ granite from wall of internal as well as external upto height of 37 m from ground level including stacking within 50 metres lead :	6323.32	SQM				365.84	2313323.00
			Thickness up to 40 mm							

68	15.41	DSR	Dismantling cement asbestos or other hard board ceiling or partition walls including stacking of serviceable materials and disposal of unserviceable materials within 50 metres lead.	278.80	SQM		24.46	6819.90		
69	15.44.	DSR	Dismantling G.I. pipes (external work) including excavation and refilling trenches after taking out the pipes, manually/ by mechanical means including stacking of pipes within 50 metres lead as per direction of Engineer-in-charge :							
	15.44.1		15 mm to 40 mm nominal bore	100.00	M		64.07	6407.34		
	15.44.2		Above 40 mm nominal bore	150.00	M		71.32	10698.19		
70	15.52	DSR	Dismantling of flushing cistern of all types (C.I./PVC/Vitrious China) including stacking of useful materials near the site and disposal of unserviceable materials within 50 metres lead.	5.00	NO		393.80	1969.01		
71	15.53.1	DSR	Dismantling of C.I. sluice valve including stacking of useful materials within a lead of 50 metres Up to 150 mm diameter	6.00	NO		142.09	852.53		
72		MR	Shifting of PVC water tank UPTO 10 KL at terrace level from one location to another with in 50 m range along with its installation a new location complete.	3.00	NO				800.00	2400.00
73	15.56	DSR	Dismantling old plaster or skirting raking out joints and cleaning the surface for plaster including disposal of rubbish to the dumping ground within 50 metres lead.	6323.32	SQM		22.55	142584.52		
74		MR	Removing of aluminium/ Gypsum partitions , doors, windows, fixed glazing and false ceiling The dismantled shall be taken away by the agency and site will be cleared off from rubbish/malba etc. complete as per direction of Engineer-in-charge. (The rate include the process of demolishing work and site clearance)	914.55	SQM				450.00	411549.30
75	15.58	DSR	Demolishing R.C.C. work by mechanical means and stockpiling at designated locations and disposal of dismantled materials up to a lead of 1 kilometre, stacking serviceable and unserviceable material separately including cutting reinforcement bars.	5.00	CUM		1346.30	6731.48		
76	15.6	DSR	Disposal of building rubbish / malba / similar unserviceable, dismantled or waste materials by mechanical means, including loading, transporting, unloading to approved municipal dumping ground or as approved by Engineer-in-charge, beyond 50 m initial lead, for all leads including all lifts involved.	400.00	CUM		121.35	48540.75		

			SUB TOTAL					0.00		382261.21	2727272.30
			MISCELLANEOUS WORK								
77		MR	Supply of manually operated roller blinds as per approved shade L1-S1 Linen of MAC or approved equivalent make HARDWARE TOP TUBE : Made of extruded aluminium 38 mm Dia. With wall thickness of 1.2 mm with spline adoptable to accommodate clutch. CLUTCH MECHANISM : Moulded plastic having antifriction additive with Glass fibre reinforcement. Should have a minimum lifting capacity of 8 lbs OPERATING CHAIN : #PVC ball chain adoptable to the clutch pitch for smooth lifting & lowering of blind. LOAD TUBE : 38 mm Extruded aluminium wall thickness :1.2 mm + / - 5% Bonding (Fabric > Tube) : 15 mm wide double sided adhesive tape of 3M Bottom Bar : aluminium extruded box section with powder coated finish matching the roller fabric -Min weight to be 365 gms / Lmr for a perfect fall of fabric to avoid warpage / floating.Installation to be insert type with end caps. Screens to be with 5% Openness Composition 22% Polyester + 78% PVC Weight 475 grams per sq.mtr. Thickness 0.68mm	62.43	Sqm					1660.00	103633.80
78		MR	NAME PLATE: Providing Name Plate of size 375 X 150 mm in SS - 304 (Stainless steel) and fixing the same to the required position. Thickness of plate engraved with SS letters shall be 3mm.	4.00	Each					680.00	2720.00
79		MR	NOTICE BOARD: Providing and Supplying Notice Boards 8 cm deep made out of BTC T.W framing 8cm X 24mm with 12mm thick Soft Board covered with cloth felt on 6mm Commercial Ply BWP Grade back and glass shutters openable on pivot hinges complete with lock and handle. Size-1.20 m X 60 cm complete as per the drawings, details & instructions of Architect.	1.00	Each					2500.00	2500.00
80		MR	Providing and fixing Signage of Corrosion Resistant High Grade AISI 316 Stainless Steel of Size (120 mm x 120 mm x 1.5 mm) over Wall/Glass/Wood etc wherever required as per Direction of E.I.C of Kich Make or equiv to Arch,Ozone , Goodrej	8.00	Each					940.00	7520.00
81		MR	Providing & Placing of Three Seater Sofa as per design, specification and direction as approved by the Architect/ Engineer -in-Charge	4.00	NOS					29000.00	116000.00

82	MR	Providing & Placing of Two Seater Sofa as per design approved, specification and direction as approved by the Architect/ Engineer -in-Charge	12.00	NOS					22700.00	272400.00
83	MR	Providing & Placing of One Seater Sofa as per design, specification and direction as approved by the Architect/ Engineer -in-Charge	4.00	NOS					16500.00	66000.00
84	MR	Providing & Placing of Center Table 1400x720 mm SS pipe frame chrome finish top PLPB 30 mm thick lower PLPB 18 mm thick as approved by the Architect/ Engineer -in-Charge	6.00	NOS					11000.00	66000.00
85	MR	Providing & Placing of Side table 650x650 mm SS pipe frame chrome finish top PLPB 30 mm thick lower PLPB 18 mm thick as approved by the Architect/ Engineer -in-Charge	12.00	NOS					8000.00	96000.00
86	MR	Supply and fixing of Reception Table as per approved layout and specification by architect / engineer incharge.	1.00	NOS					100000.00	100000.00
87	MR	Providing and making of Discussion Table in Round Shape as per design approved color complete in all aspect.	1.00	NOS					75000.00	75000.00
88	MR	Medium Back Chair, Cushioned Chrome Arm, PP Chrome Base, Gas Lift, Leatherite Tapestry.BIFMA accredited	12.00	NOS					14000.00	168000.00
89	MR	Providing and making of Water Cascade In Entrance area as per design approved and finla by engineer incharge.	1.00	NOS					400000.00	400000.00
90	MR	Providing & fixing films with plotter cutting on glasses as per design . Cristal effect make all complete as per drawing, specification and direction of engineer incharge.	45	SQM					1800.00	81000.00

91	MR	<p>Supply & Installation of 2-Level Electro Hydraulic Type Car Parking System with all Mechanical & Electrical Arrangements. Erection and Commissioning at the site. 1 Year On-Site Warranty for any manufacturing defect or any other design defect.</p> <p>Type- Two Post Double Parking Car Lift (Dependent or with shared Power units). Mode of Operation- Manual control buttons / Keys/ Automatic</p> <p>Lifting Height- 1600 & 1800mm (adjustable); 1650 & 2100mm (adjustable); 1600 & 1840mm (adjustable); Lifting Mode- Hydraulic Car Platform</p> <p>Thickness- ≥ 1.6mm Surface</p> <p>Treatment- High-grade anti-corrosion spray paint or hot galvanized</p> <p>Color- Red, Blue, Grey, Yellow etc. (customized according to user demand) Working Voltage- 440V/3Ph (according to user's demand), Motor Power 2.2KW, Rise Speed 1.7m/min Fall Speed 1.9m/min Mode of Drive Hydraulic +Chain</p> <p>Car Size (L/W/H)- 4000mm×1850mm×1550mm (small)</p> <p>4000mm×1850mm×2050mm (Suvs) Car Weight ≤ 2000kg</p>	NOT TO QUOTE	NO				NOT TO QUOTE	0.00		
		SUB TOTAL							0.00	0.00	1556773.80
		HORTICULTURE & LANDSCAPING									
92	MR	Detail of tree with development & 6 month maintenance									
		Indoor									
		Areca palm 4' - 5' height	35	NOS.					250		8750.00
		Draceana varieties	50	NOS.					250		12500.00
		Croton varities	50	NOS.					250		12500.00
		Deffenbachia	30	NOS.					350		10500.00
		Aglonema	30	NOS.					350		10500.00
		Money plant with moss stick 3' height	15	NOS.					500		7500.00
		Syngonium with moss stick 3' height	20	NOS.					500		10000.00
		Oxycodium with moss stick 3' height	20	NOS.					500		10000.00

93		SHRUS (have several woody item)							
		Coral Hibiscus 2'-3' ht	5	NOS.				130.00	650.00
		Massanda Pink 2'-3' ht	5	NOS.				130.00	650.00
		Ixora 2'-3' ht	5	NOS.				130.00	650.00
		Hamelia 2'-3' ht	5	NOS.				45.00	225.00
94		Supplying and fixing Vertical garden (Wall) along with drip irrigation system, fixation of frame, planter, manure, fertilizer, soil mixing, supply of plants filling and plantation.	38.61	SQM				8608.00	332354.88
94		Ground edging Plant							
		Eranthemum	2	RMT				180.00	360.00
		Verbena	2	RMT				130.00	260.00
		Setcreasea	2	RMT				235.00	470.00
		Verbena Mix	2	RMT				130.00	260.00
95		SS planter 18" dia	250.00	NOS				900	225000.00
							0.00	0.00	643129.88
						G.TOTAL	2392514.84	18800324.25	36944621.74
								581.37	LACS

SCHEDULE OF QUANTITIES FOR SUPPLY, ERECTION, TESTING AND COMMISSIONING OF ELECTRICAL WORKS OF SIDBI TOWER , LUCKNOW (U.P.)											
S.NO	DSR	Ref. No.	DESCRIPTION OF ITEM	UNIT	QTY.	As per SOR 2018		AS PER DSR - 2018		AS PER MARKET RATE	
	SOR					Rate	RATE (RS.)	AMOUNT (RS.)	RATE (RS.)	AMOUNT (RS.)	
INTERNAL WIRING & LIGHT SYSTEM											
1	DSR	1.10.3	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit, with modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable etc. as required. Group-C (Primary point)	POINT	120.00			883.9286	1,06,071.43		
2	DSR	1.55.3	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. Group-C (looping point)	POINT	25.00			631.25	15,781.25		
3	DSR	1.11	Wiring for twin control light point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface /recessed medium class PVC conduit, 2 way modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable etc. as required.	POINT	10.00			943.75	9,437.50		
4	DSR	1.26	Supplying and fixing modular blanking plate on the existing modular plate & switch box excluding modular plate as required.	EACH	8.00			28.57143	228.57		
5	DSR	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	30.00			358.0357	10,741.07		
6	DSR	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 A & 15/16 A modular socket outlet and 15/16 A modular switch, connections etc. as required.	EACH	10.00			441.9643	4,419.64		
7	DSR	1.57	Supplying & fixing suitable size GI box with modular plate and cover in front on surface or in recess including providing and fixing 25 A modular socket outlet and 25 A modular SP MCB, "C" curve including connections, painting etc. as required.	EACH	5.00			570.5357	2,852.68		
8	DSR	1.14	Wiring for circuit/ submain wiring along with earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as required								
	a)	1.14.1	2 X 1.5 sq. mm + 1 X 1.5 sq. mm earth wire For 6A Light Circuit Point	MTR.	600.00			130.3571	78,214.29		
	b)	1.14.2	2 X 2.5 sq. mm + 1 X 2.5 sq. mm earth wire For 6A UPS & Light Circuit Point	MTR.	870.00			149.1071	1,29,723.21		
	c)	1.14.3	2 X 4 sq. mm + 1 X 4 sq. mm earth wire For 16A Power Circuit Point	MTR.	450.00			178.5714	80,357.14		
	d)	1.14.4	2 X 6 sq. mm + 1 X 6 sq. mm earth wire For DB Submain wire	MTR.	115.00			222.3214	25,566.96		
	e)	1.14.10	4 X 10 sq. mm + 2 X 6 sq. mm earth wire For DB Submain wire	MTR.	30.00			484.8214	14,544.64		
	f)	1.14.11	4 X 16 sq. mm + 2 X 6 sq. mm earth wire For DB Submain wire	MTR.	50.00			671.4286	33,571.43		
9	DSR		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.								
	a)	9.1.32	4 X 10 sq. mm (25 mm)	EACH	10.00			203.00	2,030.00		
	b)	9.1.33	4 X 16 sq. mm (28mm)	EACH	10.00			255.00	2,550.00		
	c)	9.1.21	3½ X 35 sq. mm (32mm)	EACH	-			282.00	-		
	d)	9.1.22	3½ X 50 sq. mm (35mm)	EACH	-			354.00	-		
10	SOR	501	Supplying & laying of following 1100 volt grade XLPE insulated PVC sheathed aluminium conductor armoured cables as per specification in existing trenches, cable trays, ducts over bed of sand, clamped includes anchor fasteners wall with suitable clamps, saddles fixing bolts including connecting testing and commissioning.								

		i	4 core 16 sq. mm For HVAC	MTR.	100.00	343	34,300.00			
		l	3.5 core 50 sq. mm For DB Submain wire	MTR.	50.00	492	24,600.00			
11	SOR	503	Supplying and fixing of brass nickle plated compression gland for PVC insulated and armoured served sheathed ,underground cable including rubber ring etc.complete in all respect. The armouring of the cable shall be properly connected with the earth as per direction of the Engineer -Incharge.							
		(i)	16.0 sq.mm x 4 core	EACH	4.00	87	348.00			
		(l)	50.0 sq.mm x 3½ core	EACH	2.00	178	356.00			
12	SOR	504	Supplying and fixing of plain or pin type copper tin plated cable socket (lug) to the cable leads , insulating with tape and making connection etc. complete in all respect as per direction of the Engineer -Incharge.							
		(d)	16.0 sq.mm	EACH	16.00	21	336.00			
		(e)	25 Sq.mm.	EACH	2.00	27	54.00			
		(g)	50.0 sq.mm	EACH	6.00	48	288.00			
13	DSR	2.4	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)							
	a)	2.4.1	4 way (4 + 12), Double door	EACH	1.00		2739	2,739.29		
	a)	2.4.2	6 way (4 + 18), Double door	EACH	-		3297	-		
	b)	2.4.3	8 way (4 + 24), Double door	EACH	2.00		4108	8,216.07		
14	DSR	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.							
	a)	2.10.1	Single pole (6/32 Amps)	EACH	60.00		178	10,660.71		
15	DSR	2.11	Supplying and fixing single pole blanking plate in the existing MCB DB complete etc. as required.	Each	5.00		7	35.71		
16	DSR	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.							
	a)	2.13.2	63 amps	NOS.	2.00		749	1,498.21		
	b)	2.13.3	100 amps	NOS.	1.00		935	934.82		
17	DSR	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.	EACH	3.00		202	605.36		
18	DSR	4.1	Supplying and installing following size of perforated painted with powder coating M.S. cable trays with perforation not more than 17.5%, in convenient sections, joined with connectors, suspended from the ceiling with M.S. suspenders including bolts & nuts, painting suspenders etc. as required.							
	a)	4.1.1	100 mm width X 50 mm depth X 2 mm thickness	MTR.	50.00		425	21,250.00		
	b)	4.1.2	150 mm width X 50 mm depth X 2 mm thickness	MTR.	25.00		474	11,852.68		
	c)	4.1.4	300 mm width X 50 mm depth X 2 mm thickness	MTR.	25.00		554	13,861.61		
19	DSR		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.							
	a)	1.21.1	20mm	MTR	100.00		75	7,500.00		
	b)	1.21.2	25mm	MTR	100.00		80.35714	8,035.71		
	c)	1.21.3	32mm	MTR	50.00		82.14286	4,107.14		

20	DSR		Supply, fixing, connecting and testing of Telephone/computer modular sockets modular plate anodised MS box and blanking late in surface/recessed including connectionetc as required.									
	a)	1.24.6+1.27.1+1.28.1	RJ-11 telephone socket two line with shutter	EACH	6.00			425	2,550.00			
21	DSR		Supplying drawing, connecting and testing of 0.61mm dia annealed copper conductor PVC insulated PVC sheathed telephone Wire/cables in Existing PVC conduit or a racks as required.									
	a)	1.18.2	2 pair Telephone cable.	MTR	400.00			17.85714	7,142.86			
	b)	1.18.3	4 pair Telephone cable	MTR	-			25.89286	-			
	a)	1.53.1	Supplying and drawing of UTP 4 pair CAT 6 LAN Cable in theexisting surface/ recessed Steel/ PVC conduit as required. 1 run of cable	MTR	300.00			43.75	13,125.00			
22	DSR	1.22.1	Supplying and fixing metal box of following sizes (nominal size) on surface or in reces with suitable size of phenolic laminated sheet cover in front including painting etc as required. 75 mm x 75 mm x 60 mm deep	EACH	2.00			125.00	250.00			
23			Providing, fixing connecting and testing of solder less telephone Tag block of following capacity ties as required in suitable size of m.s. hinged lockable cover box duly painted etc. as required of Krone type.									
	a)	M. R.	10 pair Tele Tag Blk	EACH	1.00					3,500.00	3,500.00	
	b)	M. R.	50 pair Tele Tag Blk	EACH	-					5,500.00	-	
24	DSR		Supply, fixing, connecting and testing of RJ-45 face plate(computer line) with shutter DN-460 computer sockets modular plate anodised MS box and blanking late in surface/recessed including connectionetc as required.	EACH	6.00			469.00	2,814.00			
25	DSR	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.	MTR	150.00			29.46	4,419.64			
26	DSR		Supply, fixing, connecting and testing of TV modular sockets modular plate anodised MS box and blanking late in surface/recessed including connectionetc as required.									
		1.24.7+1.27.1+1.28.1	TV antenna socket outlet	EACH	4.00			425.00	1,700.00			
								60,282.00	6,39,388.64		3,500.00	
			SUB-HEAD II - FANS & LIGHT FIXTURES:									
27		1403	Supply and fixing of recess/ Surface/ Pendent mountingground 15 Watt to 18 watt LED Down Lighter havingPowder coated die cast aluminiumhousing with heat sink, diffuser/Reflector and driver set complete in all respect. (CAT-AAA)	NOS.	60	1870.00	112200.00					
28		1402	Supply and fixingof recess/Surface/Pendent mountingground 10 Watt to 15 watt LED Down Lighter having Powder coated die cast aluminium housingwith heat sink, diffuser/Reflector and driver set complete in all respect. (CAT-AAA)	NOS.	11	1350.00	14850.00					
29		MR	Supply and fixingof recess/Surface/Pendent mountingground 10 Watt to 15 watt LED wall light set complete in all respect. (CAT-AAA)	NOS.	2					1350.00	2700.00	
30		1413	Supply and fixingof LED Tube Lightwith batten suitablefor upto 1 X 22 watt LED Ba tten tube light complete includingtube etc on surface complete in all respect. (CAT - AAA)	NOS.	2	1190.00	2380.00					
31		MR	Supply and fixingof LED Tube Lightwith batten suitablefor upto 1 X 18 watt tube light as a Mirror Light complete includingtube etc on surface complete in all respect. (CAT-AAA)	NOS.	6					324.00	1944.00	

32	MR	Supply & Fixing of Chandeliers 2700 K warm white Light 48 Watt LED 3700 lumen. Equivalent to Philips Sparkle and Shine Model No. 59083.	NOS.	2					49437.00	98874.00	
33	MR	S & F 15 Watt up & down lighter	NOS.	0					0.00	0.00	
34	MR	S & F of Warm White 28 Watt LED Cove Light. Equivalent to Philips LED Cove Linea Plus Model No. 31308	NOS.	20					2284.00	45680.00	
35	MR	S & F of Floor Lamp along with classic design rings on stem with 23 Watt Max E 27 CFL lamp. Equivalent to Philips Wood Heritage Model No. 38392	NOS.	5					8629.00	43145.00	
36	MR	Supply & Fixing of 320 Watt LED Flood Lighting Luminaire with integrated flood optics. Equivalent to Philips Tango G3 BVP383 LED360/CW 320W 220-240NB IN	NOS.	16					46633.00	746128.00	
37	MR	Ceiling mount with cone diffuser Signage with 20 mtr. viewing distance with built in LED, High efficiency L80 LED with 50,000 hour life, Usage: Exit Signage cum Emergency light with Function Use either as an emergency luminaire or exit sign, with standalone Testing system, Housing of Polycarbonate, Glow wire test : 850°C, RAL9003, with set of 3 exit legends (L, R, D), Degree of protection IP42, Lum in case of emergency: 100, Operation Mode Non -Maintained or Maintained mode selectable, Connection voltage 230V +/- 5% [220V-240V] 50-60Hz, Permissible ambient: temperature +5°C to +40°C, compliant with EN standards, with IEC CB test certificate LED, Built in Battery: Ni-Cd, Duration 3 hours, Viewing distance 30m, Dimensions in mm: 371 x 170 x 62 including necessary accessories as per specification, DEKRA certification mandatory, SAFELITE series SL2MNM. Approved makes: Eaton, Ayo, Potter	NOS.	4					6236.00	24944.00	
38	MR	S & F Heavy Duty Exhaust/ Fresh Air Fan 450 mm	Each	3					4725.00	14175.00	
39	MR	Supply and Installation of Air curtain, Ms-powder coated body, width 6", dimension (1800x230x212), single phase, Air throw 21m/s, noise level 50-55db, abs blowers, Maker-Euronics	Each	2					26348.00	52696.00	
		TOTAL RS.							129430.00	0.00	1303286.00
		SUBHEAD - VI : EARTHING									
40	702	Supply and burying of 600 mm X 600 mm X 6 mm GI Plate vertically for earthing with its top at least 3 meter below ground level complete with 20mm dia G.I pipe and funnel for watering and one earthing lead of one No. 8 to 10 SWG GI wire in 15 mm dia G.I pipe and GI wire will be extra) 30 cm square C.I frame with hinged cover masonry housing alternate layers of charcoal/coke/ and salt at least 150 mm thick around etc. as per directions of Engineer-in-charge complete in all respect s as per Drawings	Each	2			5350.00	10700.00			
41	704	Supply and burying of 600 mm X 600 mm X 3 mm copper plate vertically for earthing with its top at least 3 meter below ground level complete with 20mm dia G.I pipe and funnel for watering and one earthing lead of one No. 8 to 10 SWG GI wire in 15 mm dia G.I pipe and GI wire will be extra) 30 cm square C.I frame with hinged cover masonry housing alternate layers of charcoal/coke/ and salt at least 150 mm thick around etc. as per directions of Engineer-in-charge complete in all respect s as per Drawings	Each	1			10170.00	10170.00			
42	716	Supply and laying of 25mm x 3mm G.I. strip from earth electrode directly in the ground as required complete in all respect.	Metre	50			90.00	4500.00			
43	721	Supply and fixing of one number 8 SWG G.I. wire in 15mm dia. G.I. pipe for earthing, laid in ground or in wall duly concealed including the cost of cement, sand, labour, T&P other material required for proper completion of the work as directed at site	Metre	50			200.00	10000.00			
44	718	Supply and laying of 32mm x 6mm copper strip from earth electrode directly in the ground as required complete in all respect.	Metre	25			1110.00	27750.00			

SIDBI Tower
Repair and Renovation
Electrical Works

45		711	Supply and fixing of horizontal air termination (roof conductor) of 25mm x 3mm copper strip, on G.I. clamps on surface complete in all respects as approved by Engineer-in-charge	Metre	25			510.00	12750.00		
			Total					0.00	75870.00		0.00
			G Total					1,89,712.00	7,15,258.64		10,33,786.00

Name of Work : Internal Plumbing Work for Repair Renovation at SIDBI Tower, Lucknow						
DETAILED ESTIMATE						
S. NO.	(DSR-2016)	DESCRIPTION	UNIT	QTY.	RATE	AMOUNT
	Item NO			Total	(in words)	(IN RS.)
SUBHEAD-I (A): SANITARY INSTALLATIONS (As per D.S.R.2016)						
1	8.10	Providing & fixing stone slab table rubbed, edges rounded and polished of size 75 X 50cm deep and 1.8 cm thick fixed in urinal partitions by cutting chase of appropriate width with chase cutter and embedding the stone in chase with epoxy grout or with cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 6mm nominal size) as per Engineer-in-charge and finished smooth				
	8.10.1	White Agaria Marble Stone	sqm	1	2,831.95	2,831.95
2	17.10	Providing and fixing Salem 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.				
	17.10.1	Kitchen sink with drain board				
	17.10.1.3	510X1040mm bowl depth 200mm.	Each	1	3,772.35	3772.35
	17.10.2	Sink without drain board				
	17.10.2.1	610X510 mm bowl depth 200mm.	Each	0	2,476.60	0
3	17.32	Providing and fixing mirror of superior glass (of approved quality) and of required shape and size with plastic moulded frame of approved make and shade with 6 mm thick hard board backing :				
	17.32.1	Rectangular shape 453x357 mm	Each	3	752.80	2,258.40
4	17.34	Providing and fixing toilet paper holder :				
	17.34.1	C.P. brass	Each	5	385.35	1,926.75
TOTAL C/F TO SUMMARY						10,789.45

S. NO.	(DSR-2016) Item NO	DESCRIPTION	UNIT	QTY.	RATE	AMOUNT
				Total	(in words)	(IN RS.)
SUBHEAD-I (B) : SANITARY INSTALLATIONS (NON-SCHEDULED ITEMS)						
		Note : The sanitaryware and CP fittings may change as per internal layout and architect consent. Out of ROCA/TOTO/Kohler ; we have selected kohler models for tentative estimate.				
5	MR	Providing and Fixing of vitreous china single trap syphonic pattern having back inlet, supporting chair wall hung water closet with flush valve and CP brass flush bend (European type) Wall Hung water closet with seat and lid, with C.P. brass hinges and rubber buffers, adapter, rubber joints fixed to W.C., C.P. brass screwed washers including cutting and making good the walls and floors wherever required and HDPE wc pan connector including jointing with white cement complete in all respects. (Make - Roca Model Victoria Cat. No.: Rs346303460 and Seat cover RE80P397461)	Each	5	10,256.45	51,282.25
6	MR	Providing and Fixing of low noise Concealed cistern, mounting module for brick work with actuation plate with water saving: delayed filling process saves appr. 0,5 l/flush ; Dual Flush - 3 litre and 6 Litre (Model no . 03 064 00 99 (Concealed cistern) and 03 068 06 99 (Actuation plate -Chrome finish) Make - Schell)	Each	5	7,850.98	39,254.90
7	MR	Providing and fixing of ABS health spary which can tolerate water pressure up to 6 bar flow pressure with metal hose and holder in Polished Chrome : (Model no. 03 295 06 99 Make - Schell)	Each	5	2,085.80	10,429.00
8	MR	Providing and fixing CP Bottle Trap for basin, sink and urinal. (Make - Roca Model Cat. No.:RF9066A1)	Each	7	1,930.51	13,513.57
9	MR	Supplying & Fixing of CP soap dish Holder fixed to the wall with PVC rubber plug with CP brass screws (Make - Roca Model Cat. No.: RA816070132) or equivalent make	Each	5	1,574.30	7,871.50
10	MR	Providing and fixing Towel ring (Make: Roca, Model :Cat No- RA816070172) with brackets fixed to wooden cleats with C.P. brass screws.	Each	3	1,961.50	5,884.50
11	MR	Providing and fixing of stainless steel braided flexible hoses with inliner EPDM Which can bear the maximum pressure of 10 bar and maximum temperature of 90 degree Celsius with bending radius of 25 r with length 500 mm with Union nut connection of 1/2" (Model no. 10 224 06 99 of Schell)	Each	21	469.25	9,854.25
12	MR	Providing and fixing C.P. brass 15mm dia bib cock of approved quality confirming ((Make: Roca, Model - RT5A7825CA1)	Each	5	1,901.62	9,508.10
13	MR	Providing and fixing C.P. brass Cold-only wall-mount kitchen & lab sink faucet in polished chrome (Make: Roca, Model - RT5A7625C00)	Each	1	6,988.25	6,988.25
14	MR	Providing and fixing of Regulating Angle valve with Comfort handle, with extended push rod, push rosette Ø 54 mm ; Material – Brass DIN EN / Noise Class I ; Connection: 1/2"/DN 15, Outlet: 1/2"/DN 15 ; Chrome / Weight 0.130 KG per piece (Model no. 05 217 06 99 Make Schell)	Each	21	551.37	11,578.77

S. NO.	(DSR-2016)	DESCRIPTION	UNIT	QTY.	RATE	AMOUNT
	Item NO			Total	(in words)	(IN RS.)
15	MR	Providing and fixing white color vitreous China flat back, Rectangular under counter wash basin with R.S. or CI bracket and 32 mm dia outlet, with brass C.P. wall cap and extension pieces, 15 mm dia C.P. brass angle stop cock with 10mm dia C.P. brass connection pipe etc. CP brass chain, CP wall flange, rubber adopter for waste connection complete, CP brass chain CP waste and CP pipe to wall with CP wall flange and rubber adopter for waste connection complete, with pedestal of matching model below wash basin, including cutting and making good the walls wherever required. [Make - Roca, Model RS327115410]	Each	5	7,588.05	37,940.25
16	MR	Providing and fixing of self-closing wash basin tap high pressure cold and pre-mixed water with a plastic cartridge ; manual actuation and automatic closing action should Comprises: mounting accessories for single-hole installation and with technical data: as flow volume 6,0 l/min ; flow pressure: 1 to 5 bar ; flow time: approx. 7 s Material: Housing material: brass DIN EN (Model no. 02 122 06 99 of Schell)	Each	5	6,594.93	32,974.65
17	MR	Providing and fixing urinals with siphon and concealed C.I. brackets, brass C.P. supply and flushing connections with 1 NO. 15 mm Dia. Brass C.P. angle type stop cock with brass C.P. wall cap, with C.P. waste coupling with C.P. wall caps brass CP cones at inlet and outlets concealed lead pipes drains form bottle trap drain pipes in floor. Joining etc complete. (Make: Roca, RS35945H000)	Each	2	21,162.62	42,325.24
18	MR	Providing and Fixing of low noise Urinal flush valve touch-free infrared flushing device Mains Operated 230 V / 50 Hz with internal isolating valve. Which includes roughing in set for electronic actuation and Urinal Control finishing set. Roughing in set should comprises - plastic construction casing with cleaning cover ; pre-assembled water path with isolating valve ; sealing plug ; cleaning cover ; with Flow pressure: 0,8 - 5 bar ; • flush volume: 0,3 l/s ; 230 V 50 Hz power supply unit with mains plug • fitting connection G 1/2" (DN 15) external thread; Connection: G 1/2" ext. thread/ DN 15, and Urinal Control finishing set should comprises mounting frame with electronic module ; front panel with sensor ; cartridge solenoid valve with pre-filer ; diagnostic lamps ; adjustment range; with technical data as flushing time: 2-15 s adjustable; vandal-proof design and Material: front cover out of ABS Plastic ; (Model No. 01 193 00 99 with 02 808 06 99 of Schell)	Each	2	19,204.17	38,408.34
19	MR	Providing and fixing Hand dryer with C.P brackets with C.P brass screws and PVC rawl plugs complete in all respects including cutting and making good the wall where required. (EH 27NW Hand Dryer, Make: Euronics) - For Consultant Room	Each	3	16,835.87	50,507.61
20		Supply, installation, testing and commissioning of horizontal type storage hot water heater within-built pressure relief valve, rated for inlet water pressure upto 6 bar complet in all respects including inlet, outlet connections, fixing bolts etc. and testing complete. [Make: AO Smith or Racold]				
		Capacity 15 litres	Each	3	8,950.00	26,850.00
TOTAL C/F TO SUMMARY						3,95,171.18

S. NO.	(DSR-2016)	DESCRIPTION	UNIT	QTY.	RATE	AMOUNT
	Item NO			Total	(in words)	(IN RS.)
SUBHEAD-II(A): INTERNAL DRAINAGE INSTALLATIONS (As per D.S.R.2016)						
1	17.60.	Providing and fixing cast iron trap of self cleansing design with cast iron screwed down or hinged grating with or without vent arm complete, including cost of cutting and making good the walls and floors.				
	17.60.1.3	100 mm inlet and 100 mm outlet Hubless centrifugally cast iron pipes epoxy coated inside & outside IS : 15905	Each	6.00	677.60	4065.60
	17.60.2.3	100 mm inlet and 75 mm outlet Hubless centrifugally cast iron pipes epoxy coated inside & outside IS : 15905	Each	2.00	496.40	992.80
2	17.35	Providing and fixing soil, waste, vent and rain water pipes				
		100mm dia				
	17.35.1.3	Hubless centrifugally cast iron pipes epoxy coated inside & outside IS : 15905	metre	55.00	925.55	50905.25
3	17.37	Providing and fixing MS holder bat clamps of approved design to cast iron (spun) pipe embedded in and Including cement concrete blocks 10 x10 x10cm of 1:2:4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size) including cost of cutting holes and making good the walls etc.				
	17.37.1	For 100mm dia. Pipe	Each	4.00	167.35	669.40
4	17.38	Providing and fixing bend of required degree with access door, insertion rubber washer 3mm thick, bolts and nuts complete.				
	17.38.1	100mm				
	17.38.1.3	Hubless centrifugally cast iron epoxy coated inside & outside IS : 15905	Each	6.00	489.45	2936.70
5	17.39	Providing and fixing plain bend of required degree.				
	17.39.1	100mm dia				
	17.39.1.3	Hubless centrifugally cast iron epoxy coated inside & outside IS : 15905	Each	14.00	307.10	4299.40
6	17.42	Providing and fixing double equal plain junction of required degree.				
	17.42.1	100x100x100x100 mm				
	17.42.1.3	Hubless centrifugally cast iron pipes epoxy coated inside & outside IS : 15905	Each	5.00	645.10	3225.50
7	17.44	Providing and fixing single equal plain junction of required degree :				
	17.44.1	100X100X100mm				
	17.44.1.3	Hubless centrifugally cast iron epoxy coated inside & outside IS : 15905	Each	5.00	503.40	2517.00
8	17.48	Providing and fixing single unequal plain junction of required degree				
	17.48.1	100x 100x75 mm				
	17.48.1.3	Hubless centrifugally cast iron epoxy coated inside & outside IS : 15905	Each	5.00	482.45	2412.25
9	17.54.A	Providing and fixing Hubless cast iron offsets epoxy coated inside & outside as per IS : 15905				
	17.54A.1	130 mm offsets				
	17.54A.1.1	With 100 mm dia	Each	5.00	557.95	2789.75
10	17.56	Providing and fixing terminal guard:				
	17.56.1	100mm				
	17.56.1.3	Hubless centrifugally cast iron epoxy coated inside & outside IS : 15905	Each	2.00	355.85	711.70

S. NO.	(DSR-2016)	DESCRIPTION	UNIT	QTY.	RATE	AMOUNT
	Item NO			Total	(in words)	(IN RS.)
11	17.57A	Providing and fixing shielded coupling for Hubless centrifugally cast iron pipe				
	17.57A.1	100mm				
	17.57A.1.1	SS 304 grade coupling with EPDM rubber gasket	Each	57.00	360.50	20548.50
12	18.58	Providing and fixing PTMT grating of approved quality and colour				
	18.58.1	Circular type				
	18.58.1.2	125 mm nominal dia	Each	8.00	45.55	364.40
13	AS PER 19.2	Providing and laying cement concrete 1:5:10 (1 cement: 5 coarse sand: 10 graded stone aggregate 40 mm nominal size) around CI HUBLESS including bed concrete as per standard design				
		Note: This work shall be done all-round PIPE AT ground floor's toilet.				
	19.2.1	100mm diameter	metre	45.00	622.95	28032.75
14	DSR Item 18.10	Providing and fixing G.I. pipes complete with GI fittings and clamps including cutting and making good the walls etc. (internal work)				
	18.10.5	40 mm dia, nominal bore	Rm	11.50	425.65	4894.98
	18.10.6	50 mm dia, nominal bore	Rm	4.60	472.40	2173.04
15	DSR Item 13.61	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade				
	13.61.1	Two more coat on new work	sqm	11.00	78.40	862.40
16	7760	P/F M.S. cap 100 mm dia	Each	2.00	150.00	300.00
TOTAL C/F TO SUMMARY						1,32,701.42

S. NO.	(DSR-2016)	DESCRIPTION	UNIT	QTY.	RATE	AMOUNT
	Item NO			Total	(in words)	(IN RS.)
SUBHEAD-III(A): WATER SUPPLY INSTALLATIONS (As per D.S.R.2016)						
1	17.30	Providing and fixing in position 25 mm diameter mosquito proof coupling of approved municipal design.	Each	0	38.50	-
2	18.7	Providing and fixing CPVC pipes having 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 mt spacing. this includes jionting of pipes and fittings with one step CPVC solvent cement and testing of joints complete as per direction of engineer in charge.				
		Internal work -Exposed on Wall				
	18.7.1	15 mm nominal outer dia pipes	Rm	11	142.95	1,572.45
	18.7.2	20 mm nominal outer dia pipes	Rm	20	179.95	3,563.01
	18.7.3	25 mm nominal outer dia pipes	Rm	45	216.20	9,703.06
	18.7.4	32 mm nominal outer dia pipes	Rm	40	289.05	11,446.38
	18.7.5	40 mm nominal outer dia pipes	Rm	33	385.50	12,721.50
	18.7.6	50 mm nominal outer dia pipes	Rm	22	548.55	12,068.10
3	18.8	Providing and fixing CPVC pipes having 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 mt spacing. this includes jionting 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 outer dia pipes	Rm	110	246.20	27,082.00
	18.8.2	20 mm nominal outer dia pipes	Rm	11	284.85	3,133.35
5	DSR Item 13.61	Painting with synthetic enamel paint of approved drand and manufacture to give an even shade				
	13.61.1	Two more coast on new work	sqm	15	78.40	1,176.00

S. NO.	(DSR-2016) Item NO	DESCRIPTION	UNIT	QTY.	RATE	AMOUNT
				Total	(in words)	(IN RS.)
6	18.17	Providing and fixing of gun metal gate valve with CI wheel of approved quality (screwed ends)				
	18.17.1	25mm dia, nominal bore	Each	2.00	428.20	856.40
	18.17.2	32 mm dia, nominal bore	Each	1.00	500.75	500.75
	18.17.3	40 mm dia, nominal bore	Each	1.00	584.70	584.70
	18.17.4	50 mm dia, nominal bore	Each	1.00	749.90	749.90
8.0	18.16	Providing and fixing brass stop cock of approved quality				
	18.16.1	15mm nominal bore	Each	2	260.00	520.00
	18.16.2	20mm nominal bore	Each	6	280.00	1,680.00
9.0	10.2	Structural steel work welded in built up sections, trusses and framed work including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete.	kg	15	67.60	1,014.00
TOTAL C/F TO SUMMARY						88,371.60
SUBHEAD-III (B) : WATER SUPPLY- INTERNAL WORK (NON-SCHEDULED ITEMS)						
13	MR	Providing and fixing brass ball valve with SS 304 Stem and ball, teflon seat complete (PN-16). (Make: Zoloto/Giacomini/Sant)				
		15 mm dia nominal bore	Each	2	394.20	788.40
		20 mm dia nominal bore	Each	4	533.58	2134.32
		25 mm dia nominal bore	Each	4	814.66	3258.64
TOTAL C/F TO SUMMARY						6,181.36