

## CORRIGENDUM-2 : REVISED SECTION – VI: PRICE BID (R1)

Name of Tender : Civil Retrofitting Works of Office Buildings & Grid Buildings in BRPL.

NIT No. CMC/BR/24-25/FK/CR/SS/1232, Dated: 20.12.2024,

Revised Due Date for Submission of Tender: 15.01.2025, 15:30 HRS, Revised Date and Time of opening: 15.01.2025, 15:45 HRS

S.No.	Description of item	Qty	Unit	Amount (in Rs. Including GST @18%)
1	PACKAGE- 1 (Detailed BOQ attached as Appendix-I)	1	LS	
2	PACKAGE-2 (Detailed BOQ attached as Appendix-II)	1	LS	
3	PACKAGE-3 (Detailed BOQ attached as Appendix-III)	1	LS	
4	PACKAGE-4 (Detailed BOQ attached as Appendix-IV)	1	LS	
5	PACKAGE-5 (Detailed BOQ attached as Appendix-V)	1	LS	
<b>Grand Total (in Rs. Including GST @18%)</b>				<b>-</b>
<b>NOTE:</b>				
1)	The price quoted above shall remain firm for the entire duration of the contract including the extension period, if any.			
2)	Reverse Auction (RA) is mandatory. RA methodology shall be informed separately to all the qualified bidders prior to RA.			
3)	The bids will be evaluated commercially based on the total all-inclusive package-wise price quoted by the bidders. However, BRPL reserves the right to split the work/packages for awarding the contracts to more than one bidders.			
4)	The bidder shall quote the prices strictly in the above format / item description / content. The bid shall be liable for rejection, if contractor fail to do so. If at any stage, the content is found to be changed from the given price format, the content as per the given price format will prevail and binding on the contractor.			
5)	The bidder needs to quote for all the line items as mentioned above; failing which the bids are liable for rejection. In addition to that the bidder shall provide details breakup package-wise prices in the respective attachments.			
6)	All materials are to be arranged by the contractor and test certificates are to be furnished by the contractor, wherever applicable.			

**APPENDIX-1****PACKAGE 1 : DETAILED BOQ**

Following is the list of Work in Package-1:

S.NO.	Name of Work
1	Retrofitting work and other allied work in CSO, Nehru Place

**Name of work:- Retrofitting work and other allied work in CSO, Nehru Place**

S.No.	Description of Items	Qty.	Unit	Rate	Amount
<b>PART-A "CIVIL WORKS"</b>					
1	Dismantling roofing including ridges, hips valleys and gutters etc., and stacking the material within 50 metres lead of: G.S. Sheet	82.50	Sqm		
2	Dismantling steel work in built up sections in angles, tees, flats and channels including all gusset plates, bolts, nuts, cutting rivets, welding etc. including dismembering and stacking within 50 m lead.	400.00	Kg		
3	Dismantling PVC/wooden partition wall panelling, false ceiling including stacking of serviceable material and disposal of unserviceable material within 50 m lead/lift.	167.30	Sqm		
4	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of engineer in charge. Nominal concrete: 1:3:6 or richer mix (i/c equivalent design mix)	31.50	Cum		
5	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 disposal of excavated earth, lead upto 50 m and lift upto 1.5 m, disposed earth to be levelled and neatly dressed : All kinds of soil.	101.93	Cum		
6	Filling available excavated earth (excluding rock) in trenches plinth, sides of foundations etc. in layers not exceeding 20 cm in depth : consolidating Ea deposited layer by ramming and watering, lead upto 50 m and lift upto 1.5 m	30.58	Cum		
7	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)	10.43	Cum		
8	Providing and laying damp-proof course 40 mm thick with cement concrete 1:2:4 (1 Cement : 2 coarse sand (Zone-III) derived from natural sources : 4 graded stone aggregate 12.5 mm nominal size. derived from natural sources)	14.10	Sqm		
9	Providing and laying damp-proof course 50 mm thick with cement concrete 1:2:4 (1 Cement : 2 coarse sand (Zone-III) derived from natural sources : 4 graded stone aggregate 20 mm nominal size. derived from natural sources)	14.10	Sqm		

S.No.	Description of Items	Qty.	Unit	Rate	Amount
10	Providing and laying in position specified grade of reinforced cement concrete, excluding the cost of centering, shuttering, finishing and reinforcement - All work up to plinth level : 1:1.5:3 (1 cement : 1.5 coarse sand (zone-III) derived from natural sources : 3 graded stone aggregate 20 mm nominal size derived from natural sources)	6.74	Cum		
11	Providing and laying cement concrete in retaining walls, return walls, walls (any thickness) including attached pilasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window sills, fillets, sunken floor etc., up to floor five level, excluding the cost of centering, shuttering and finishing : 1:1½:3 (1 cement : 1½ coarse sand (zone-III) derived from natural sources : 3 graded stone aggregate 20 mm nominal size) from natural sources	53.62	Cum		
12	Reinforced cement concrete work in beams, suspended floors, roofs having slope upto 15°, landings, balconies, shelves, chajjas, lintels, bands, plain window sills, staircases and spiral stair cases upto floor five level excluding the cost of centring, shuttering, finishing and reinforcement with 1:2:4 (1 Cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size)	108.07	Cum		
13	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level. Cold twisted bars	20,815.20	Kg		
14	Centring and shuttering including strutting, propping etc. and removal of form work for : Foundations, footings, bases of columns. For mass concrete	38.17	Sqm		
15	Centring and shuttering including strutting, propping etc. and removal of form for: Suspended floors, roofs, landings, balconies and access platform	828.69	Sqm		
16	Centring and shuttering including strutting, propping etc. and removal of form for Lintels, beams, plinth beams, girders, bressumers and cantilevers.	391.17	Sqm		
17	Centring and shuttering including strutting, propping etc. and removal of form work for Columns, piers, abutments, pillars, posts and struts	69.27	Sqm		

S.No.	Description of Items	Qty.	Unit	Rate	Amount
18	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 40mm dia. M.S. tube 1.5 m centre to centre horizontal & vertical tubes joining with cup & lock system with M.S. tubes, M.S. tube chalis, 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, connection 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 .The elevational area of the scaffolding shall be measured for payment purpose .The payment will be made once only for execution of all items for such works.	156.00	Sqm		
19	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 )	7.10	Cum		
20	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 1:4 (1 cement : 4 coarse sand)	222.20	Cum		
21	Half brick masonry with common burnt clay F.P.S (non modular) bricks of class designation 7.5 in superstructure above plinth level upto floor V level in cement mortar 1:3 (1 cement : 3 coarse sand)	163.80	Sqm		
22	12 mm cement plaster of mix: 1:4 (1 cement : 4 coarse sand)	1,130.19	Sqm		
23	15 mm cement plaster on rough side of single or half brick wall of mix: 1:4 (1 cement : 4 coarse sand).	1,124.21	Sqm		
24	6mm cement plaster to ceiling of mix: 1:3 (1 cement : 3 fine sand).	632.64	Sqm		
25	Neat cement punning	8.64	Sqm		
26	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.	2,288.15	Sqm		
27	Repairs to plaster of thickness 12mm to 20mm in patches of area 2.5 sq. metres and under, including cutting the patch in proper shape, raking out joints and preparing and plastering the surface of the walls complete, including disposal of rubbish to the dumping ground, all complete as per direction of engineer in charge: With cement mortar 1:4 (1 cement : 4 coarse sand)	33.75	Sqm		

S.No.	Description of Items	Qty.	Unit	Rate	Amount
28	Repair of damaged RCC members like lintels, beams, columns, staircases, sunshades and slabs etc. which has broken and given away by dismantling of loose/unsound portion by chiselling, cleaning of surface with wire brushes and applying a thick coat of cement slurry and filling the cavities/notches and depression with cement mortar 1:2 (1cement : 2 coarse sand + screened stone aggregate upto 6mm nominal size) in one, two or even three operations after fixing of chicken wiremesh with the old reinforcement by binding wire or by nailing whichever is feasible. In case, the thickness of mortar exceeds 8 cm (approx), another layer of chickenmesh shall be fixed over larger area in the same manner and final coat of similar cement mortar shall be applied. Work also includes making arrangement for scaffolding etc complete.	26.00	Sqm		
29	Applying plaster of paris punning on walls up to 12 mm thickness as may be required so as the finished surface would be in plumb, plane and smooth.	632.64	Sqm		
30	Distempering with oil bound washable distemper of approved brand and manufacture to give an even shade. New work (two or more coats) over and including water thinnable priming coat with cement primer	2,467.04	Sqm		
31	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 @2.20Kg/10 Sqm).	291.75	Sqm		
32	Providing and fixing laminated PLY panel/glass partition made up of 12mm thick commercial PLY board of size upto 750X750 mm covered with 1mm thick approved laminate on all exposed surfaces of panels fixed with approved adhesive including finishing of grooves with black Japan paint. The panels to be fixed over KAIL wood frame of section 50X50mm placed not more than 750mm C/C both ways Item includes the framework of section upto 75X100mm for holding door with 8mm thick glass I/C necessary mouldings etc complete as per architectural drawing complete.	189.00	Sqm		
33	Providing and fixing aluminium Composite Panel (ACP) cladding (Al strong or indo bond make) of 4mm thickness consisting of a (.25 +2.5 +0.25) core of polyethylene sandwiched between two skins of aluminium alloy with outer surface in desired color coat in of PVDF paint in fully automatic coil coating process. The PVDF coated finished surface to be factory protected with self adhesive peel off foil tested to withstand atleast 6months exposure to local weathering condition. Specially designing frame work with vertical and Horizontal members of Alum section (38 x 25 x 1.4mm) to be fixed to column and wall with designed Aluminum Brackets and Stainless steel Anchor fasteners with necessary hardware. The Gaps between the pannel to be filled with Backer rod and weather silicon of approved make for the leak proof joints for installation as per approved architect elevation drawing and other Architectural drawings/	40.00	Sqm		

S.No.	Description of Items	Qty.	Unit	Rate	Amount
	details and Architect's approval / directions complete.				
34	False ceiling in armstrong fine fissured butt edge tiles 595x595mm : Providing & fixing of armstrong fine fissured butt edge tile ceiling complete in all respects using armstrong channels, hangers etc. Item complete with all edge cut tiles and required cutting for lights, speakers, detectors, diffusers, etc. Tile code-Armstrong fine fissured NF Butt edge (RH 99E)	446.04	Sqm		
35	FALSE CEILING IN GYPSUM BOARD : P/F FALSE CEILING, DROPS, CEILING " DESIGN IN GYPSUM BOARD . PROVIDING AND FIXING AT ALL HEIGHTS FALSE CEILING OF 12.5MM THICK TAPERED EDGE GYPSUM BOARD CONFIRMING TO IS: 2095 INCLUDING PROVIDING AND FIXING OF FRAME WORK MADE OF SPECIAL SECTIONS POWER PRESSED FROM MS SHEET AND GALVANIZED IN ACCORDANCE WITH ZINC COATING 600 AS PER IS: 277 AND CONSISTING OF ANGEL CLEATS OF SIZE 25MM WIDE X 16MM THICK WITH FLANGES OF 22MM AND 37MM AT 1200 CENTER TO CENTER ONE FLANGE FIXED TO THE CEILING WITH DASH FASTENER 12.5MM DIA 40MM. LONG WITH 6MM DIA BLTS TO ANGE HANGERS OF 25X25X5MM OF REQUIRED LENGTH AND OTHER END OF ANGLE HANGER BEING FIXED WITH NUTS AND BOLTS TO GI CHANNELS 45MM X 15MM X0.9MM RUNNING @ 1200MM C/C TO WHICH THE CEILING SECTION .5MM THICK BOTTOM WEDGE OF 80MM WITH APERED FLANGES OF 26MM EACH HAVING CLIPS OF 10.5MM AT 450MM C/C SHALL BE FIXED IN A DIRECTION PERPENDICULAR TO GI CHANNEL WITH CONNECTING CLIPS MADE OUT OF 2.64 MM DIA X 230MM LONG GI WIRE AT EVERY JUNCTION INCLUDING FIXING THE GYPSUM BOARD WITH CEILING SECTION AND PERIMETER CHANNELS OF .5MM THICK 27MM HEIGHT HAVING FLANGES OF 20MM AND 30MM.	120.00	SQM		
36	P/F Stair case railing of 0.90m avg. height comprising of 20mm square bar of length 1.05 mtr and 150mm centre to centre with 50mm dia MS pipe on top of railing including fixing of vertical bars in steps by grouting of required hold fast as per direction of Engineer - in - charge and a coat of steel primer etc complete.	44.00	Mtr		
37	Galvanized Structural steel work riveted, bolted or welded in built up sections, trusses and framed work including cutting, hoisting, fixing in position all complete.	109.51	Kg		
38	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade. Two or more coats on new work.	3.38	Sqm		
39	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade one or more coats on old work.	64.38	Sqm		

S.No.	Description of Items	Qty.	Unit	Rate	Amount
40	Kota 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 (1cement : 4 coarse sand) : 25 mm thick	22.50	Sqm		
41	Providing and fixing 18 mm thick gang saw cut mirror polished premoulded and prepolished, machine cut for kichen paltforms, vanity counters window sills, facias and similar locations of required size of 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. Granite stone slab of colour black, Cherry/Ruby red. Area of slab over 0.5 Sqm	84.95	Sqm		
42	Providing and Fixing C-Vigo Light ceramic glazed wall tiles of size 300x450 of approved make, shades 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 . Kajaria Make C-VIGO LIGHT HSN CODE 69072100	159.60	Sqm		
43	"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. 18 mm thick Italian Marble stone slab, Perlato, Rosso verona, Fire Red or Dark Emperadore etc.	566.40	Sqm		
44	Providing and laying Vitrified tiles in floor in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS:15622, of approved brand & manufacturer, in all colours and shade, laid on 20 mm thick cement mortar 1:4 (1 cement: 4 coarse sand) jointing with grey cement slurry @3.3 kg/sqm including grouting the joints with white cement and matching pigments etc. The tiles must be cut with the zero chipping diamond cutter only . Laying of tiles will be done with the notch trowel, plier, wedge, clips of required thickness, leveling system and rubber mallet for placing the tiles gently and easily. Double charge vitrified tile polished finish of size of Tile 600 x 600 mm	57.60	Sqm		

S.No.	Description of Items	Qty.	Unit	Rate	Amount
45	Providing and fixing factory made ISI marked steel glazed doors, windows and ventilators, side /top /centre hung, with beading and all members such as F7D,F4B, K11 B and K12 B etc. complete of standard rolled steel sections, joints mitred and flash butt welded and sash bars tenoned and riveted, including providing and fixing of hinges, pivots, including priming coat of approved steel primer, but excluding the cost of other fittings, complete all as per approved design, (sectional weight of only steel members shall be measured for payment). 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)	151.20	Kg		
46	Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/ appropriate Z sections and other sections of approved make conforming to IS:733 and IS:1285, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/ neoprene gasket etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing/panelling, C.P.brass/stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing, panelling and dash fasteners to be paid for separately): For Fixed portion. Anodised aluminium (anodised transparent or dyed to required shade according to IS: 1868, Minimum anodic coating of grade AC 15)	27.00	Kg		
47	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 ie. at top , bottom and sides with required EDPM rubber/neoprene gasket etc . Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing/panelling, C.P. brass/stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing panelling and dash fasteners to be paid for separately.) 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.) Anodised aluminium (anodised transparent or dyed to required shade according to IS: 1868, minimum anodic coating of grade AC 15)	345.60	Kg		



S.No.	Description of Items	Qty.	Unit	Rate	Amount
48	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 fasteners shall be paid for separately : Kiln seasoned and chemically treated hollock wood.	0.32	CUM		
49	P/F OF SOLID SEMI CORE SINGLE LEAF DOORS WITHOUT FRAME WITHOUT VISION " PANEL OF 30 MM THK. DOOR SHUTTERS, FINISHED WITH 1MM THK. APPROVED" " LAMINATE ON BOTH SIDE WITH ALL HARDWARE IN THE FORM OF HINGES," "HANDLES (25MM DIA - 450MM LONG) ,LOCKS OF DORSET ,DOOR CLOSERS ETC. "COMPLETE. (SIZE OF DOOR UPTO 900MM X 2200MM)	8.00	EA		
50	Melamine polishing on door frames/partition/staircase handrail. The item includes rubbing/preparation of wood surface with waterproof sand paper and finishing with melamine polish etc. complete as per direction of Engineer-Incharge	35.28	sqm		
51	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.	32.00	Ea		
52	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. Twin rubber stopper	32.00	Ea		
53	Providing and fixing aluminium handles ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade with necessary screws etc. complete: 125 mm	8.00	Ea		
54	Providing and fixing ISI marked oxidised M.S. tower bolt black finish, (Barrel type) with necessary screws etc. complete : (Copper oxidized as per IS : 1378). : 250x10 mm	8.00	Ea		
55	Providing and fixing ISI marked oxidised M.S. sliding door bolts with nuts and screws etc. complete : (Copper oxidized as per IS 1378):. 250x16 mm	9.00	Ea		

S.No.	Description of Items	Qty.	Unit	Rate	Amount
56	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 25mm to 115mm size with 50% of cement mortar 1:5 (1cement : 5coarse 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 (1cement : 5coarse 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 (1cement :4coarse 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. With average thickness of 120 mm and minimum thickness at khurra as 65 mm.	624.00	Sqm		
57	Providing gola 75x75 mm in cement concrete 1:2:4 (1 cement :2 coarse sand : 4 graded stone aggregate of 10 mm and down gauge) including finishing with cement mortar 1:3 (1 cement: 3 fine sand ) as per standard design : In 75 x75 mm deep chase	50.00	Mtr		

S.No.	Description of Items	Qty.	Unit	Rate	Amount
58	Constructing brick masonry manhole in cement mortar 1:4 (1 cement:4 coarse sand) RCC top slab with 1:2:4 mix (1 cement: 2 coarse sand: 4 graded stone aggregate 20 mm nominal size), foundation concrete 1:4:8 mix ( 1 cement: 4 coarse sand: 8 graded stone aggregate 40mm nominal size), inside plastering 12 mm thick with cement mortar 1:3 (1cement: 3 corse sand) finished with floating coat of neat cement and making channels in cement concrete 1:2:4(1 cement: 2 coarse sand: 4 graded stone aggregate 20 mm nominal size) finished with a floating coat of neat cement complete as per standard design : Inside size 90x80cm and 45cm deep including CI cover with frame(light duty) 455x610mm internal dimensions, total weight of cover and frame to be not less than 38Kg (weight of cover 23Kg and weight of frame 15Kg) With common burnt clay F.P.S (non modular) bricks with class designation 7.5	1.00	Ea		
59	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.	76.80	Sqm		
60	Providing and fixing UPVC (SWR) pipes Class B conforming to IS 13592 for soil, waste and vent pipes including all fittings rubber ring type (plain or access door) e.g. bends, junctions, cowls, offsets, access pieces etc., jointing with rubber ring joints(a) 110 mm dia	128.00	M		
61	Providing and fixing on wall face unplasticised - Rigid PVC rain water pipes conforming to IS : 13592 Type A including jointing with seal ring conforming to IS : 5382 leaving 10 mm gap for thermal expansion. (i) Single socketed pipes: 75 mm diameter	16.00	Mtr		
62	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. coupler-110 mm.	20.00	Ea		
63	Providing and fixing uplasticised PVC connection pipe with brass unions: 45 cm length, 15 mm NB	8.00	Ea		

S.No.	Description of Items	Qty.	Unit	Rate	Amount
64	Providing and fixing white vitreous china flat back half stall urinal of size 580x380x350 mm with white PVC automatic flushing cistern, with fittings, standard size C.P. brass flush pipe, spreaders with unions and clamps (all in C.P. brass) with waste fitting as per IS : 2556, C.I. trap with outlet grating and other couplings in C.P. brass, including painting of fittings and cutting and making good the walls and floors wherever required : Single half stall urinal with 5 litre P.V.C. automatic flushing cistern.	8.00	Ea		
65	Providing and fixing white vitreous china wall mounted water closet (European type) with seat and lid and C.P flush bend with fittings & C.I. brackets, 40 mm flush bend, overflow arrangement with specials of standard make and mosquito proof coupling of approved municipal design complete including painting of fittings and brackets, cutting and making good the walls and floors wherever required. W.C. pan with ISI marked white solid plastic seat and lid. Make- Hindware	16.00	Ea		
66	Providing and fixing chrome plated wall mounted concealed flushing cistern with high and low flow knob and with all fitting. Make- Hindware, Model-Cute.	16.00	EA		
67	Providing and fixing Health faucet (hand held jet with flexible pipe) with chrome finish (make-Jaquar) for WC. Make & Model Jaquar, ALD-573	16.00	Ea		
68	Providing and fixing C.P. brass bib cock of approved quality conforming to IS standards, with health faucet inlet opening 15 mm nominal bore. Make & Model no Jaquar FLR-5041N. 2 way bib cock.	16.00	EA		
69	Providing and fixing Automatic urinal sensor with stainless steel front panel including built in filter complete in all respect including control valves etc., as per approval of Engineer-in-charge including cutting and making good the walls wherever required.(PARRYWARE MAKE, CONCEALED TYPE).	8.00	EA		
70	Providing and fixing CP Pillar Faucet (Sensor based) with chrome finish (make- Hindware, F240001) including pillar sensor of weight 1.90 kg operated on AC/DC and single hole Installation: complete job.	16.00	Ea		
71	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer in Charge. Internal work - Exposed on wall : 25 mm nominal outer dia Pipes.	90.00	M		
72	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge. Concealed work, including cutting chases and making good the walls : 20 mm nominal outer dia Pipes.	140.00	M		

S.No.	Description of Items	Qty.	Unit	Rate	Amount
73	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer in Charge. Internal work - Exposed on wall : 20 mm nominal outer dia Pipes.	10.00	M		
74	P/F of CP jalli of appd design and shape: 100 mm dia.	20.00	Ea		
75	Providing and fixing C.P. brass bib cock of approved quality conforming to IS: 8931: 15 mm nominal bore.	8.00	Ea		
76	Providing and Fixing bevelled edge mirror of superior quality glass (Modi /Sant Gobain) complete with 6 mm thick hard board fixed to wooden cleats with cp brass screws and washers etc complete.	12.00	Sqm		
77	Providing and fixing of Greenlam/Merino/Stylam Sturdo Vibrance splendid toilet cubicle (door size 600mm width) with anti bacterial resistant 12mm thick solid compact laminate panel	16.00	EA		
78	Providing and fixing PTMT liquid soap container 109 mm wide, 125 mm high and 112 mm distance from wall of standard shape with bracket of the same materials with snap fittings of approved quality and colour, weighing not less than 105 gms.	8.00	EA		
79	Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete. Semi rigid pipe 32 mm dia	16.00	Ea		
80	Making opening for Air Conditioners or Exhaust Fan of required size in walls by demolishing brick work and repairing the same by cement plaster 1:4 (1 Cement: 4 Fine sand).	2.00	Ea		
81	Providing and fixing gun metal gate valve with C.I. wheel of approved quality(screwed end): 25 mm NB	4.00	Ea		
82	Providing and fixing C.P. brass angle valve for basin mixer and gyser points of approved quality conforming to IS:8931 a) 15 mm nominal bore make hindware cat -F360006	16.00	Ea		
83	P/F CP brass 0.50 L liquid soap dispenser with simple push lever & brackets / fittings of same colour, fixed on walls i/c cutting of walls and making good after fixing the dispenser complete job. (Jaguar or Equivalent make).	8.00	EA		
84	Providing and fixing rubbed stone slab table, edges rounded and polished, 75 cm high, 50 cm deep and 18mm thick, fixed in urinal partitions by cutting a chase of appropriate width with chase cutter and embedding the stone in the chase with epoxy grout or with cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 6 mm nominal size) as per direction of Engineer-in-charge and finished smooth. Granite Stone of approved shade.	4.00	Ea		

S.No.	Description of Items	Qty.	Unit	Rate	Amount
85	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer in Charge. Internal work - Exposed on wall : 25 mm nominal outer dia Pipes.	100.00	Mtr		
86	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer in Charge. Internal work - Exposed on wall : 15 mm nominal outer dia Pipes	50.00	Mtr		
87	Providing and Laying 150mm dia PVC pipe (Heavy duty-working pressure 6Kg/cm <sup>2</sup> ) of Prakash or equivalent make as per required slope for sewer line including jointing etc. complete as per direction of Engineer-in-charge (Wt. of pipe-22 Kg approx).	50.00	Mtr		
88	Providing and placing on terrace (at all floor levels) polyethylene water storage tank, ISI : 12701 marked, indicating the BIS License No. with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank.	2,000.00	Per Litre		
89	Providing and fixing 12 mm thick frameless toughened glass door shutter 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 (Door handle, lock & stopper etc to be paid separately)	6.30	SQM		
90	Providing and fixing double action hydraulic floor spring with stainless steel cover for Frameless Door of approved brand and includes patch fittings, 40 mm dia-450 mm floor spring of Dorma make (Model XL-C 4001 floor spring of 120 kg capacity) including cost of cutting floors as required, embedding in floors and cover plates with brass pivot and single piece M.S. sheet outer box with slide plate, the cost also of removing and refixing the old glass in working condition etc. complete as per the direction of Engineer-in-charge.	2.00	Ea		

S.No.	Description of Items	Qty.	Unit	Rate	Amount
91	<p>Design supply &amp; 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 &amp; 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 &amp; Anchor bolts and at the bottom using SS channel of 50x25x2mm using fastener &amp; 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 &amp; seismic movements etc. The joints between glass panels (6 to 8 mm) and gaps at the perimeter &amp; in U channel of the assembly to be filled with non staining weather sealant, so as to make the entire system fully water proof &amp; dust proof. The rate shall include all design, Engineering and shop drawing including approval from structural designer, labour, T&amp;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.</p>	99.00	SQM		
92	Dismantling tile work in floors and roofs laid in cement mortar including stacking material within 50 metres lead: For thickness of tiles 10 mm to 25 mm	35.00	Sqm		
93	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.: In cement mortar	2.21	Cum		
94	Removing mortar from bricks and cleaning bricks including stacking within a lead of 50 m. (stacks of cleaned bricks shall be measured): From brick work in cement mortar	387.00	Ea		
95	Removing dry or oil bound distemper water proofing cement paint and the like by scrapping, sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete.	131.00	Sqm		
96	Finishing walls with Acrylic Smooth exterior paint of required shade: Old work (Two or more coats applied @ 1.67 ltr/ 10 Sqm) on existing cement paint surface.	1,426.00	Sqm		
97	Distemping with 1st quality acrylic distemper, 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.Two coats	2,229.07	Sqm		
98	Providing and fixing 8" lock set Kiara model Doorset make with stainless steel handles : Complete Job	6.00	Ea		

S.No.	Description of Items	Qty.	Unit	Rate	Amount
99	Chipping of unsound/weak concrete material from slabs, beams, columns etc. with manual Chisel and/ or by standard power driven percussion type or of approved make including tapering of all edges, making square shoulders of cavities including cleaning the exposed concrete surface and reinforcement with wire brushes etc. and disposal of debris for all lead and lifts all complete as per direction of Engineer-In-Charge. - 50mm average thickness	46.80	Sqm		
100	Providing, mixing and applying bonding coat of approved adhesive on chipped portion of RCC as per specifications and direction of Engineer-In-charge complete in all respect. SBR Polymer (@10% of cement weight) modified cementitious bond coat @ 2.2 Kg cement per Sqm of surface area mixed with specified proportion of approved polymer	46.80	Sqm		
101	Providing and inserting 12mm dia galvanised steel injection nipple in honey comb area and along crack line including drilling of holes of required diameter (20mm to 30mm) up to depth from 30mm to 80mm at required spacing and making the hole & crack dust free by blowing compressed air, sealing the distance between injection nipple with adhesive chemical of approved make and allow it to cure complete as per direction of Engineer-In-Charge.	1,925.00	Ea		
102	Providing and injecting approved grout in proportion recommended by the manufacturer into cracks/honey-comb area of concrete/ masonry by suitable gun/pump at required pressure including cutting of nipples after curing etc. complete as per directions of Engineer-in-Charge.	77.00	Kg		
103	Clean the surface and remove any dust, unsound material, from reinforcement etc Roughen the surface and remove any laitance by light scrubbing. The concrete surfaces shall be thoroughly cleaned with wire brushes/cleaning brushes. Cleaning the existing reinforcement with wire brushes and cleaning burshes application of rust remover Rebakleen RR @ 0.25 Ltr/10sqm. Application of Nitozinc rich Primer @ 5 Sqm/Ltr after 24 hrs.	46.80	Sqm		
104	Providing and placing in position micro-concrete which shall be cement based pre packed single component chloride free non shrink free flow self compacting ready to use after mixing water in specified proportion obtained from approve manufacturer as per specification and direction of Engineer-in-charge. (Payment under this item shall be made only after proper wet curing has been done and surface has been satisfactorily evaluated by sounding / tapping with a blunt metal instrument) self flowing non shrink micro concrete, Grade as per drawing.	2.34	Cum		



S.No.	Description of Items	Qty.	Unit	Rate	Amount
105	Providing and fixing 3 mm dia (Gauge 10) stainless steel wire fabric mesh of grade SS 304 with spacing 25 mm x 25 mm in longitudinal and transverse direction to be fixed & firmly anchored to the surface of Brick masonry , stone masonry or concrete by means of stainless steel shear key or bolts including the cost of labour, tool & plants etc. complete as required for fixing as per direction of Engineer-in-charge. ( Drilling of holes & shear key or bolt shall be paid seperately.)	24.00	Sqm		
106	Providing and fixing trap of self cleansing design with screwed down or hinged grating with or without vent arm complete, including cost of cutting and making good the walls and floors : 100 mm inlet and 75 mm outlet Sand Cast Iron S&S as per IS : 1729.	24.00	Ea		
107	Providing & fixing vitreous china Oval wash basin 570x425mm dia. for under counter mounting, specially fabricated brackets painted white, 32mm C.P.cast brass bottle trap and connection pipe to wall with C.P. wall flange and rubber adopter for waste connection complete, including cutting and making good the walls wherever required. (PARRYWARE 0418 OR APPROVED EQUIVALENT, PASTEL COLOUR)	16.00	Ea		
108	Renewing glass panes, with putty and nails wherever necessary including racking out the old putty: Float glass panes of thickness 4 mm (weight not less than 10Kg/Sqm)	5.76	Sqm		
109	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.	102.85	Cum		
<b>SUB-TOTAL : Part-A CIVIL WORKS</b>					
<b>PART-B "ELECTRICAL WORKS"</b>					
1	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 A	95.00	Point		
2	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 B	141.00	Point		
3	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.2 X 2.5 sq. mm + 1 X 2.5 sq. mm earth wire	1,191.00	Metre		
4	LUMINAIRE,LED TYPE: COOL DAY LIGHT; POWER: 36 W; VOLTAGE: 240V ; LAMP SIZE 600X600MM; ADDITIONAL INFORMATION: LED LIGHT 2X2 FEET	36.00	Each		

S.No.	Description of Items	Qty.	Unit	Rate	Amount
5	INFORMATION: CEILING MOUNTED INTERNAL LIGHT IN ROUND SHAPE LAMP,LED,TYPE:SPOT LIGHT;POWER:12W;VOLTAGE;240V;COLOR WHITE;DIMENSION:150MM;SPECIAL FEATURES:CEILING MOUNTED;ADDITIONAL BRPL-DAP-AD-OFE OFFICE EQUIPMENTS	120.00	Each		
6	Supplying and fixing 20 amps, 240 volts, SPN industrial type, socket outlet, with 2 pole and earth, metal enclosed plug top along with 20 amps C' curve, SP, MCB, in sheet steel enclosure, on surface. or in recess, with chained metal cover for the socket out let and complete with connections, testing and commissioning etc. as required.	19.00	Each		
7	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.2 X 4 sq. mm + 1 X 4 sq. mm earth wire	1,271.00	Metre		
8	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.2 X 16 sq. mm + 1 X 6 sq. mm earth wire	80.00	Metre		
9	Supplying and fixing following rating, double pole, 240 volts, isolator in the existing MCB DB complete with connections. testing and commissioning etc. as required. 63 Amps.	8.00	Each		
10	Supplying and fixing following way, horizontal type three pole and neutral, sheet steel, MCB distribution board, 415 volts, 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). 8 (4+24) way Double door.	7.00	Each		
11	Supplying and fixing following rating, Four pole, 415 volts, MCB in the existing MCB DB complete with connection, testing and commishioning etc. as required 100 amps	7.00	Each		
12	Providing and laying 4 core 10sqmm copper armoured cable with 2 x 16 SWG earth wire.	80.00	Rmt		
13	Supplying, installing ,testing and commissioning triple pole and neutral overhead copper busbars in sheet steel enclosure in convenient sections with top and bottom covers suitable for use in ,3 phase,4 wire,415 volt,50 Hz, A.C. supply and of following rating. Complete with jointing of section. electrical connection/copper strips etc. as required.200 amps. Havells make	3.00	Each		
14	Providing and fixing following rating and breaking capacity and pole MCCB with thermomagnetic release and terminal spreaders in existing cubicle panel board including drilling holes in cubicle panel, making connections, etc. as required. 400 A,50 KA FP MCCB.	1.00	Each		

S.No.	Description of Items	Qty.	Unit	Rate	Amount
15	Supplying and fixing 5 A to 32 A rating, 240/415 volts 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-Single Pole	168.00	Each		
16	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. 25mm	500.00	Metre		
17	Providing and fixing following rating and breaking capacity and pole MCCB with thermomagnetic release and terminal spreaders in existing cubicle panel board including drilling holes in cubicle panel, making connections, etc. as required. 200 A,36 KA FP MCCB.	3.00	Each		
18	Supplying, installing ,testing and commissioning triple pole and neutral overhead copper busbars in sheet steel enclosure in convenient sections with top and bottom covers suitable for use in ,3 phase,4 wire,415 volt,50 Hz, A.C. supply and of following rating. Complete with jointing of section. electrical connection/copper strips etc. as required.400 amps. Havells make	1.00	Each		
19	Providing and fixing Exhaust Fan of size 12" of crompton approved make.	20.00	Each		
20	P/f of M.S Box 4" / 3" for 3/4 Module plate	20.00	Each		
21	Providing and fixing wall mounting revolving fan of approved (Deluxe of 16" size) make including making all necessary connections etc. complete as per directions of Engineer-in-Charge.	37.00	Each		
22	Providing, Fixing, Testing & Commissioning Of 3 nos. 6A 5pin socket and 1 no.6A switch in 5 module plate for the various raw power / computer requirements.(with Ms Box)MAKE - MK OR EQUIVALENT	95.00	Each		
23	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 amps modular socket outlet and 5/6 amps modular switch, connection etc. as required.	26.00	Each		
24	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 amps modular socket outlet and 15/16 amps modular switch, connection etc. as required.	114.00	Each		

25	Supply, fixing, laying of M.S. painted raceway of following sizes with top openable MS sheet cover of 3mm thick complete with junction box of all ways with suitable nos of knockout for fixing conduits directly on it, neoprene rubber packing, bends and all accessories required (separate for computer wiring and power system) in floor. It will be grouted in the floor, junction will be bigger in size. This item will involve breaking the existing floor and putting a cushion of 5cm lean PCC for leveling under the raceway 100 x 50 x 2mm thick with 3mm top cover	120.00	Mtr		
26	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 mtr long etc. With Charcoal/coke and salt as required.	3.00	set		
27	P/F/T/C of PHILIPS make Stellar Bright LED Tube Light 20 W with Batten complete job.	12.00	Each		
28	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.2 X 6 sq. mm + 1 X 6 sq. mm earth wire	60.00	Metre		
29	Providing & Laying of the 300mm x 300mm x 50 mm deep MS junction boxes of 16SWG duly powder coated type with 14 SWG MS cover	20.00	Each		
<b>SUB-TOTAL : PART-B ELECTRICAL WORKS</b>					
<b>TOTAL : PART A + PART B</b>					
<b>ADD GST@18%</b>					
<b>TOTAL AMOUNT I/ GST @18%</b>					

**APPENDIX-II****PACKAGE-2 : DETAILED BOQ**

Following is the list of Work in Package-2:

S.NO.	Name of Work
1	Retrofitting work in 20 No Building at Nehru Place Market , Div- NHP
2	Retrofitting Work at SCADA office building, Balaji, Kalkaji, Div-ALN

**Detailed BOQ is given below:**

S.No.	Description of Items	Unit	Retrofitting work in 20 No Building at Nehru Place Market , Div- NHP	Retrofitting Work at SCADA office building, Balaji, Kalkaji, Div-ALN	Total Qty.	RATE	AMOUNT
			Qty.	Qty.			
<b>PART-A "CIVIL WORKS"</b>							
1	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of engineer in charge. Nominal concrete: 1:3:6 or richer mix (i/c equivalent design mix)	Cum	17.18	0.18	17.36		
2	Demolishing mud phaska in terracing and disposal of material within 50 metres lead	Cum	62.56	28.74	91.30		

S.No.	Description of Items	Unit	Retrofitting work in 20 No Building at Nehru Place Market , Div-NHP	Retrofitting Work at SCADA office building, Balaji, Kalkaji, Div-ALN	Total Qty.	RATE	AMOUNT
			Qty.	Qty.			
3	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 disposal of excavated earth, lead upto 50 m and lift upto 1.5 m, disposed earth to be levelled and neatly dressed : All kinds of soil.	Cum	149.88		149.88		
4	Filling available excavated earth (excluding rock) in trenches plinth, sides of foundations etc. in layers not exceeding 20 cm in depth : consolidating Ea deposited layer by ramming and watering, lead upto 50 m and lift upto 1.5 m	Cum	119.90		119.90		
5	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.	Sqm	179.85	364.02	543.87		
6	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	17.18	6.60	23.78		
7	Providing and fixing bolts including nuts and washers complete	Kg	98.24	227.76	326.00		

S.No.	Description of Items	Unit	Retrofitting work in 20 No Building at Nehru Place Market , Div-NHP	Retrofitting Work at SCADA office building, Balaji, Kalkaji, Div-ALN	Total Qty.	RATE	AMOUNT
			Qty.	Qty.			
8	Providing and laying polished 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 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., complete. size of tile 600x600mm	Sqm	521.31		521.31		
9	12 mm cement plaster of mix: 1:4 (1 cement : 4 coarse sand)	Sqm	239.80	255.84	495.64		
10	15 mm cement plaster on rough side of single or half brick wall of mix: 1:4 (1 cement : 4 coarse sand).	Sqm	239.80	44.22	284.02		
11	Repairs to plaster of thickness 12mm to 20mm in patches of area 2.5 sq. metres and under, including cutting the patch in proper shape, raking out joints and preparing and plastering the surface of the walls complete, including disposal of rubbish to the dumping ground, all complete as per direction of engineer in charge: With cement mortar 1:4 (1 cement : 4 fine sand)	Sqm	2.29		2.29		
12	Distempering with oil bound washable distemper of approved brand and manufacture to give an even shade. New work (two or more coats) over and including water thinnable priming coat with cement primer	Sqm	1,185.81	304.63	1,490.44		
13	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	2,061.87	304.39	2,366.26		



BSES Rajdhani Power Ltd.

S.No.	Description of Items	Unit	Retrofitting work in 20 No Building at Nehru Place Market , Div-NHP	Retrofitting Work at SCADA office building, Balaji, Kalkaji, Div-ALN	Total Qty.	RATE	AMOUNT
			Qty.	Qty.			
14	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 @2.20Kg/10 Sqm).	Sqm	876.06	100.55	976.61		



S.No.	Description of Items	Unit	Retrofitting work in 20 No Building at Nehru Place Market , Div-NHP	Retrofitting Work at SCADA office building, Balaji, Kalkaji, Div-ALN	Total Qty.	RATE	AMOUNT
			Qty.	Qty.			
15	<p>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 :With average thickness of 120 mm and minimum thickness at khurra as 65 mm.</p>	SQM	208.53	565.18	773.71		

S.No.	Description of Items	Unit	Retrofitting work in 20 No Building at Nehru Place Market , Div-NHP	Retrofitting Work at SCADA office building, Balaji, Kalkaji, Div-ALN	Total Qty.	RATE	AMOUNT
			Qty.	Qty.			
16	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 40mm dia. M.S. tube 1.5 m centre to centre horizontal & vertical tubes joining 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, connection 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 .The elevational area of the scaffolding shall be measured for payment purpose .The payment will be made once only for execution of all items for such works.	Sqm	960.00	1,272.00	2,232.00		
17	Chipping of unsound/weak concrete material from slabs, beams, columns etc. with manual Chisel and/ or by standard power driven percussion type or of approved make including tapering of all edges, making square shoulders of cavities including cleaning the exposed concrete surface and reinforcement with wire brushes etc. and disposal of debris for all lead and lifts all complete as per direction of Engineer-In-Charge. - 50mm average thickness	Sqm	2,018.14	360.00	2,378.14		

S.No.	Description of Items	Unit	Retrofitting work in 20 No Building at Nehru Place Market , Div-NHP	Retrofitting Work at SCADA office building, Balaji, Kalkaji, Div-ALN	Total Qty.	RATE	AMOUNT
			Qty.	Qty.			
18	Providing, mixing and applying bonding coat of approved adhesive on chipped portion of RCC as per specifications and direction of Engineer-In-charge complete in all respect. SBR Polymer (@10% of cement weight) modified cementitious bond coat @ 2.2 Kg cement per Sqm of surface area mixed with specified proportion of approved polymer	Sqm	2,018.14	360.00	2,378.14		
19	Providing, mixing and applying SBR polymer (of approved make) modified Cement mortar in proportion of 1:4 (1 cement: 4 graded coarse sand with polymer minimum 2% by wt. of cement used) as per specifications and directions of Engineer-in-charge. Note: Measurement and payment: The pre-measurement of thickness shall be done just after the surface preparation is completed and Payment under this item shall be made only after proper wet curing has been done and surface has been satisfactorily evaluated by sounding / tapping with a blunt metal instrument and/or the 75mm size cube crushing strength at the end of 28 days to be not less than 30 N/Sqmm <sup>2</sup> ). 12 mm average thickness.	Sqm	2,018.14		2,018.14		
20	Providing and inserting 12mm dia galvanised steel injection nipple in honey comb area and along crack line including drilling of holes of required diameter (20mm to 30mm) up to depth from 30mm to 80mm at required spacing and making the hole & crack dust free by blowing compressed air, sealing the distance between injection nipple with adhesive chemical of approved make and allow it to cure complete as per direction of Engineer-In-Charge.	Ea	1,460.00	4,410.00	5,870.00		

S.No.	Description of Items	Unit	Retrofitting work in 20 No Building at Nehru Place Market , Div-NHP	Retrofitting Work at SCADA office building, Balaji, Kalkaji, Div-ALN	Total Qty.	RATE	AMOUNT
			Qty.	Qty.			
21	Providing and injecting approved grout in proportion recommended by the manufacturer into cracks/honey-comb area of concrete/ masonry by suitable gun/pump at required pressure including cutting of nipples after curing etc. complete as per directions of Engineer-in-Charge.	Kg	58.40	176.40	234.80		
22	Clean the surface and remove any dust, unsound material, from reinforcement etc Roughen the surface and remove any laitance by light scrubbing. The concrete surfaces shall be thoroughly cleaned with wire brushes/cleaning brushes. Cleaning the existing reinforcement with wire brushes and cleaning burshes application of rust remover Rebakleen RR @ 0.25 Ltr/10Sqm. Application of Nitozinc rich Primer @ 5 Sqm/Ltr after 24 hrs.	Sqm	2,018.14	360.00	2,378.14		
23	Providing and fixing 3 mm dia (Gauge 10) stainless steel wire fabric mesh of grade SS 304 with spacing 25 mm x 25 mm in longitudinal and transverse direction to be fixed & firmly anchored to the surface of Brick masonry , stone masonry or concrete by means of stainless steel shear key or bolts including the cost of labour, tool & plants etc. complete as required for fixing as per direction of Engineer-in-charge. ( Drilling of holes & shear key or bolt shall be paid seperately.)	Sqm	269.41	55.80	325.21		

S.No.	Description of Items	Unit	Retrofitting work in 20 No Building at Nehru Place Market , Div-NHP	Retrofitting Work at SCADA office building, Balaji, Kalkaji, Div-ALN	Total Qty.	RATE	AMOUNT
			Qty.	Qty.			
24	Providing and Fixing C-Vigo Light ceramic glazed wall tiles of size 300x450 of approved make, shades 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 . Kajaria Make C-VIGO LIGHT HSN CODE 69072100	Sqm	31.50	40.11	71.61		
25	Providing and laying C-Vigo floor tiles of size 300x300 mm of approved make and colors, 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 pigment etc., (Kajaria make HSN Code 69072100)complete	Sqm	15.00		15.00		
26	Drilling suitable holes in reinforced/plain cement concrete/brick masonry/CC block masonry/stone masonry with power driven drill machine in RCC beams, lintels, columns and slabs to introduce steel bars for anchoring wire mesh including fixing the steel bars in position using epoxy resin anchor grout of approved make but excluding the cost of reinforcement, all complete as per direction of Engineer-In-Charge. Upto and including 12 mm dia.	Ea	400.00	438.00	838.00		

S.No.	Description of Items	Unit	Retrofitting work in 20 No Building at Nehru Place Market , Div-NHP	Retrofitting Work at SCADA office building, Balaji, Kalkaji, Div-ALN	Total Qty.	RATE	AMOUNT
			Qty.	Qty.			
27	Providing and placing in position micro-concrete which shall be cement based pre packed single component chloride free non shrink free flow self compacting ready to use after mixing water in specified proportion obtained from approve manufacturer as per specification and direction of Engineer-in-charge. (Payment under this item shall be made only after proper wet curing has been done and surface has been satisfactorily evaluated by sounding / tapping with a blunt metal instrument) self flowing non shrink micro concrete, Grade as per drawing.	Cum	0.33	7.56	7.89		
28	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 20mm nominal size) over P.V.C. sheet 1mx 1mx400 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.	Ea	7.00		7.00		
29	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 1:4 (1 cement : 4 coarse sand)	Cum	55.14	28.11	83.25		
30	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	2.89		2.89		
31	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level. Cold twisted bars	Kg	22,306.44	16,333.05	38,639.49		

S.No.	Description of Items	Unit	Retrofitting work in 20 No Building at Nehru Place Market , Div-NHP	Retrofitting Work at SCADA office building, Balaji, Kalkaji, Div-ALN	Total Qty.	RATE	AMOUNT
			Qty.	Qty.			
32	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.: In cement mortar	Cum	44.52	4.42	48.94		
33	Dismantling tile work in floors and roofs laid in cement mortar including stacking material within 50 metres lead: For thickness of tiles 10 mm to 25 mm	Sqm	521.31	35.00	556.31		
34	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.	Cum	100.61	3.05	103.66		
35	Structural steel work riveted, bolted or 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	4,019.19		4,019.19		
36	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade. Two or more coats on new work.	Sqm	51.85	27.84	79.69		
37	Centring and shuttering including strutting, propping etc. and removal of form for: Suspended floors, roofs, landings, balconies and access platform	Sqm	12.15		12.15		
38	Centring and shuttering including strutting, propping etc. and removal of form work for Columns, piers, abutments, pillars, posts and struts	Sqm	771.15	323.78	1,094.93		

S.No.	Description of Items	Unit	Retrofitting work in 20 No Building at Nehru Place Market , Div-NHP	Retrofitting Work at SCADA office building, Balaji, Kalkaji, Div-ALN	Total Qty.	RATE	AMOUNT
			Qty.	Qty.			
39	Centring and shuttering including strutting, propping etc. and removal of form for Lintels, beams, plinth beams, girders, bressumers and cantilevers.	Sqm	269.41	879.03	1,148.44		
40	Centring and shuttering including strutting, propping etc. and removal of form work for : Foundations, footings, bases of columns. For mass concrete	Sqm	1,151.83		1,151.83		
41	Providing and laying in position specified grade of reinforced cement concrete, excluding the cost of centering, shuttering, finishing and reinforcement - All work up to plinth level : 1:1.5:3 (1 cement : 1.5 coarse sand (zone-III) derived from natural sources : 3 graded stone aggregate 20 mm nominal size derived from natural sources)	Cum	83.57		83.57		
42	Reinforced cement concrete work in walls (any thickness), including attached pilasters, buttresses, plinth and string courses, fillets, columns, pillars, piers, abutments, posts and struts etc. above plinth level up to floor five level, excluding cost of centering, shuttering, finishing and reinforcement : 1:1.5:3 (1 cement : 1.5 coarse sand(zone-III) derived from natural sources : 3 graded stone aggregate 20 mm nominal size derived from natural sources)	Cum	101.99		101.99		
43	6mm cement plaster to ceiling of mix: 1:3 (1 cement : 3 fine sand).	Sqm	1,040.56	97.31	1,137.87		



S.No.	Description of Items	Unit	Retrofitting work in 20 No Building at Nehru Place Market , Div-NHP	Retrofitting Work at SCADA office building, Balaji, Kalkaji, Div-ALN	Total Qty.	RATE	AMOUNT
			Qty.	Qty.			
44	Providing and fixing ISI marked flush door shutters conforming to IS: 2202 (Part I) decorative type, core of block board construction with frame of 1st class hard wood and well matched teak 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters. 25 mm thick (for cupboard) including ISI marked nickel plated bright finished M.S. Piano hinges IS: 3818 marked with necessary screws.	Sqm	7.56	13.86	21.42		
45	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) derived from natural sources : 4 graded stone aggregate 20 mm nominal size derived from natural sources)	Cum	5.29		5.29		

S.No.	Description of Items	Unit	Retrofitting work in 20 No Building at Nehru Place Market , Div-NHP	Retrofitting Work at SCADA office building, Balaji, Kalkaji, Div-ALN	Total Qty.	RATE	AMOUNT
			Qty.	Qty.			
46	False ceiling in gypsum board : P/F false ceiling, drops, ceiling " design in gypsum board. Providing and fixing at all heights false ceiling of 12.5MM thick tapered edge gypsum board conforming to IS: 2095 including providing and fixing of frame work made of special sections power pressed from MS Sheet and galvanized in accordance with Zinc coating 600 as per IS: 277 and consisting of angel cleats of size 25mm wide X 16mm thick with flanges of 22mm and 37mm at 1200 center to center one flange fixed to the ceiling with dash fastener 12.5mm DIA 40mm long with 6mm dia blts to ange hangers of 25X25X5mm of required length and Other end of angle hanger being fixed with nuts and bolts to GI channels 45mm X 15mm X0.9mm running @ 1200mm C/C to which the ceiling section .5mm thick bottom wedge of 80mm with apered flanges of 26mm each having clips of 10.5mm at 450mm C/C shall be fixed in a direction perpendicular to GI channel with connecting clips made out of 2.64 mm dia X 230mm long GI wire at every junction including fixing the gypsum board with ceiling section and perimeter channels of .5mm thick 27mm height having flanges of 20mm and 30mm.	Sqm	287.44	36.68	324.12		
47	False ceiling in armstrong fine fissured butt edge tiles 595x595mm : Providing & fixing of armstrong fine fissured butt edge tile ceiling complete in all respects using armstrong channels, hangers etc. Item complete with all edge cut tiles and required cutting for lights, speakers, detectors, diffures, etc. Tile code-Armstrong fine fissured NF Butt edge (RH 99E)	Sqm	237.60	152.29	389.89		

S.No.	Description of Items	Unit	Retrofitting work in 20 No Building at Nehru Place Market , Div-NHP	Retrofitting Work at SCADA office building, Balaji, Kalkaji, Div-ALN	Total Qty.	RATE	AMOUNT
			Qty.	Qty.			
48	Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/ appropriate Z sections and other sections of approved make conforming to IS:733 and IS:1285, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/ neoprene gasket etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing/panelling, C.P.brass/stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing, panelling and dash fasteners to be paid for separately): For Fixed portion. Anodised aluminium (anodised transparent or dyed to required shade according to IS: 1868, Minimum anodic coating of grade AC 15)	Kg	79.61	3.38	82.99		

S.No.	Description of Items	Unit	Retrofitting work in 20 No Building at Nehru Place Market , Div-NHP	Retrofitting Work at SCADA office building, Balaji, Kalkaji, Div-ALN	Total Qty.	RATE	AMOUNT
			Qty.	Qty.			
49	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 ie. at top , bottom and sides with required EDPM rubber/neoprene gasket etc . Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing/panelling, C.P. brass/stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing panelling and dash fasteners to be paid for separately.)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.) Anodised aluminium (anodised transparent or dyed to required shade according to IS: 1868, minimum anodic coating of grade AC 15	Kg	177.53	943.20	1,120.73		
50	Dismantling doors, windows and clerestory windows (steel or wood) shutter including chowkhats, architrave, holdfasts etc. complete and stacking within 50 metres lead: Of area 3 sq. metres and below	Ea	8.00		8.00		

S.No.	Description of Items	Unit	Retrofitting work in 20 No Building at Nehru Place Market , Div-NHP	Retrofitting Work at SCADA office building, Balaji, Kalkaji, Div-ALN	Total Qty.	RATE	AMOUNT
			Qty.	Qty.			
51	Providing and fixing aluminium extruded section body tubular type universal hydraulic door closer (having brand logo with ISI, IS : 3564 embosed 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.	Ea	6.00	10.00	16.00		
52	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. Twin rubber stopper	Ea	6.00	10.00	16.00		
53	Providing and fixing aluminium tower bolts ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade with necessary screws etc. complete: 300x10 mm	Ea	12.00		12.00		
54	Providing and fixing aluminium sliding door bolts ISI marked anodised (anodic coating not less than grade AC 10 as per IS:1868) transparent or dyed to required colour and shade with nuts and screws etc. complete: 300x16 mm	Ea	4.00		4.00		
55	Providing and fixing aluminium handles ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade with necessary screws etc. complete: 125 mm	Ea	12.00	8.00	20.00		

S.No.	Description of Items	Unit	Retrofitting work in 20 No Building at Nehru Place Market , Div-NHP	Retrofitting Work at SCADA office building, Balaji, Kalkaji, Div-ALN	Total Qty.	RATE	AMOUNT
			Qty.	Qty.			
56	Removal of wooden modular fixtures/work station and all electrical fittings/fixtures by dismantling and there after refixing the same by using new screws/brackets as required at site complete after execution of the required work. The item includes the cost of storing the work station/fixtures and fittings in safe custody. providing new switch/socket if required. For Normal Work stations up to 1.5 Mtrs Length including Chairs For Curvilinear length up to 3 Mtrs.	Ea	25.00		25.00		
57	P/F polythene cover for protection of wooden fixtures/fittings and carpet etc. during the execution of work.	Sqm	132.00		132.00		
58	Providing and Laying 150mm dia PVC pipe (Heavy duty-working pressure 6Kg/cm <sup>2</sup> ) of Prakash or equivalent make as per required slope for sewer line including jointing etc. complete as per direction of Engineer-in-charge (Wt. of pipe-22 Kg approx).	Mtr	15.00		15.00		
59	Excavating trenches of required width for pipes, cables, etc including excavation for sockets, and dressing of sides, ramming of bottoms, depth upto 1.5 m including getting out the excavated soil, and then returning the soil as required, in layers not exceeding 20 cm in depth, including consolidating Ea deposited layer by ramming , watering, etc. and disposing of surplus excavated soil as directed ,within a lead of 50 metre. All kinds of soil -Pipes, cables etc. exceeding 80 mm dia. but not exceeding 300 mm dia.	Mtr	15.00		15.00		

S.No.	Description of Items	Unit	Retrofitting work in 20 No Building at Nehru Place Market , Div-NHP	Retrofitting Work at SCADA office building, Balaji, Kalkaji, Div-ALN	Total Qty.	RATE	AMOUNT
			Qty.	Qty.			
60	Providing and laying cement concrete 1:5:10 (1 cement : 5 coarse sand : 10 graded stone aggregate 40 mm nominal size) allround S.W. pipes including bed concrete as per standard design: 150 mm dia S.W. pipe	Mtr	15.00		15.00		
61	Providing & fixing roller blinds screen Fabric/ blankout, off-white shade (VP-781) as per direction of EIC Mac décor/ approved make	SQM	81.00		81.00		
62	Constructing brick masonry manhole in cement mortar 1:4 (1 cement:4 coarse sand) RCC top slab with 1:2:4 mix (1 cement: 2 coarse sand: 4 graded stone aggregate 20 mm nominal size), foundation concrete 1:4:8 mix ( 1 cement: 4 coarse sand: 8 graded stone aggregate 40mm nominal size), inside plastering 12 mm thick with cement mortar 1:3 (1cement: 3 corse sand) finished with floating coat of neat cement and making channels in cement concrete 1:2:4(1 cement: 2 coarse sand: 4 graded stone aggregate 20 mm nominal size) finished with a floating coat of neat cement complete as per standard design : Inside size 90x80cm and 45cm deep including CI cover with frame(light duty) 455x610mm internal dimensions, total weight of cover and frame to be not less than 38Kg (weight of cover 23Kg and weight of frame 15Kg) With common burnt clay F.P.S (non modular) bricks with class designation 7.5	Ea	2.00	1.00	3.00		
63	P/F MS chequered plate i/c cutting, straightening, rounding of edges, making lifting arrangement & fixing by welding to M.S angle frame etc.	Kg	4,027.10		4,027.10		

S.No.	Description of Items	Unit	Retrofitting work in 20 No Building at Nehru Place Market , Div-NHP	Retrofitting Work at SCADA office building, Balaji, Kalkaji, Div-ALN	Total Qty.	RATE	AMOUNT
			Qty.	Qty.			
64	Providing and laying in position cement concrete of specified grade excluding the cost of centring and shuttering- All work upto plinth level 1:2:4 (1 Cement : 2 Coarse Sand : 4 Graded stone agg. 20 mm nominal size)	CUM	0.32		0.32		
65	Providing and placing on terrace (at all floor levels) polyethylene water storage tank, ISI : 12701 marked, indicating the BIS License No. with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank.	Per Litre	55,000.00	2,000.00	57,000.00		
66	Dismantling of over head water storage tank of capacity upto 1000 litres i/c disconnection of all the inlet and outlet GI Pipe connections,plugging of pipes and disposal of unserviceable material to MCD dumping ground for all lead and lift complete job.	Ea	11.00		11.00		
67	Dismantling steel work in single sections including dismembering and stacking within 50 metres lead in: R.S. Joists	Kg	3,798.03		3,798.03		
68	Dismantling steel work in built up sections in angles, tees, flats and channels including all gusset plates, bolts, nuts, cutting rivets, welding etc. including dismembering and stacking within 50 m lead.	Kg		200.00	200.00		



S.No.	Description of Items	Unit	Retrofitting work in 20 No Building at Nehru Place Market , Div-NHP	Retrofitting Work at SCADA office building, Balaji, Kalkaji, Div-ALN	Total Qty.	RATE	AMOUNT
			Qty.	Qty.			
69	Providing and laying cement concrete in retaining walls, return walls, walls (any thickness) including attached pilasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window sills, fillets, sunken floor etc., up to floor five level, excluding the cost of centering, shuttering and finishing : 1:1½:3 (1 cement : 1½ coarse sand (zone-III) derived from natural sources : 3 graded stone aggregate 20 mm nominal size) from natural sources	Cum		51.43	51.43		
70	Reinforced cement concrete work in beams, suspended floors, roofs having slope upto 15°, landings, balconies, shelves, chajjas, lintels, bands, plain window sills, staircases and spiral stair cases upto floor five level excluding the cost of centring, shuttering, finishing and reinforcement with 1:2:4 (1 Cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size)	Cum		78.25	78.25		
71	Half brick masonry with common burnt clay F.P.S (non modular) bricks of class designation 7.5 in superstructure above plinth level upto floor V level in cement mortar 1:3 (1 cement : 3 coarse sand)	Sqm		39.00	39.00		
72	Applying plaster of paris punning on walls up to 12 mm thickness as may be required so as the finished surface would be in plumb, plane and smooth.	Sqm		97.31	97.31		

S.No.	Description of Items	Unit	Retrofitting work in 20 No Building at Nehru Place Market , Div-NHP	Retrofitting Work at SCADA office building, Balaji, Kalkaji, Div-ALN	Total Qty.	RATE	AMOUNT
			Qty.	Qty.			
73	Repairs to plaster of thickness 12mm to 20mm in patches of area 2.5 sq. metres and under, including cutting the patch in proper shape, raking out joints and preparing and plastering the surface of the walls complete, including disposal of rubbish to the dumping ground, all complete as per direction of engineer in charge: With cement mortar 1:4 (1 cement : 4 coarse sand)	Sqm		4.33	4.33		
74	Repair of damaged RCC members like lintels, beams, columns, staircases, sunshades and slabs etc. which has broken and given away by dismantling of loose/unsound portion by chiselling, cleaning of surface with wire brushes and applying a thick coat of cement slurry and filling the cavities/notches and depression with cement mortar 1:2 (1cement : 2 coarse sand + screened stone aggregate upto 6mm nominal size) in one, two or even three operations after fixing of chicken wiremesh with the old reinforcement by binding wire or by nailing whichever is feasible. Incase, the thickness of mortar exceeds 8 cm (approx), another layer of chickenmesh shall be fixed over larger area in the same manner and final coat of similar cement mortar shall be applied. Work also includes making arrangement for scaffolding etc complete.	Sqm		64.41	64.41		
75	Finishing walls with Acrylic Smooth exterior paint of required shade: Old work (Two or more coats applied @ 1.67 ltr/ 10 Sqm) on existing cement paint surface.	Sqm		1,295.13	1,295.13		



BSES Rajdhani Power Ltd.

S.No.	Description of Items	Unit	Retrofitting work in 20 No Building at Nehru Place Market , Div-NHP	Retrofitting Work at SCADA office building, Balaji, Kalkaji, Div-ALN	Total Qty.	RATE	AMOUNT
			Qty.	Qty.			
76	Distemping with 1st quality acrylic distemper, 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.Two coats	Sqm		3,627.53	3,627.53		
77	P/F LAMINATED PLY PANEL/GLASS PARTITION MADE UP OF 12MM THICK COMMERCIAL PLY BOARD OF SIZE UPTO 750X750 MM COVERED WITH 1MM THICK APPROVED LAMINATE ON ALL EXPOSED SURFACES OF PANELS FIXED WITH APPROVED ADHESIVE INCLUDING FINISHING OF GROOVES WITH BLACK JAPAN PAINT. THE PANELS TO BE FIXED OVER KAIL WOOD FRAME OF SECTION 50X50MM PLACED NOT MORE THAN 750MM C/C BOTH WAYS. ITEM INCLUDES THE FRAMEWORK OF SECTION UPTO 75X100MM FOR HOLDING DOOR WITH 8MM THICK GLASS I/C NECESSARY MOULDINGS ETC COMPLETE AS PER ARCHITECTURAL DRAWING COMPLETE.	Sqm		11.52	11.52		

S.No.	Description of Items	Unit	Retrofitting work in 20 No Building at Nehru Place Market , Div-NHP	Retrofitting Work at SCADA office building, Balaji, Kalkaji, Div-ALN	Total Qty.	RATE	AMOUNT
			Qty.	Qty.			
78	Providing and fixing aluminium Composite Panel (ACP) cladding (Al strong or indo bond make) of 4mm thickness consisting of a (.25 +2.5 +0.25) core of polyethylene sandwiched between two skins of aluminium alloy with outer surface in desired color coat of PVDF paint in fully automatic coil coating process. The PVDF coated finished surface to be factory protected with self adhesive peel off foil tested to withstand atleast 6months exposure to local weathering condition. Specially designing frame work with vertical and Horizontal members of Alum section (38 x 25 x 1.4mm) to be fixed to column and wall with designed Aluminum Brackets and Stainless steel Anchor fasteners with necessary hardware. The Gaps between the pannel to be filled with Backer rod and weather silicon of approved make for the leak proof joints for installation as per approved architect elevation drawing and other Architectural drawings/ details and Architect's approval / directions complete.	Sqm		30.00	30.00		
79	Galvanized Structural steel work riveted, bolted or welded in built up sections, trusses and framed work including cutting, hoisting, fixing in position all complete.	Kg		105.07	105.07		
80	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade one or more coats on old work.	Sqm		7.20	7.20		

S.No.	Description of Items	Unit	Retrofitting work in 20 No Building at Nehru Place Market , Div-NHP	Retrofitting Work at SCADA office building, Balaji, Kalkaji, Div-ALN	Total Qty.	RATE	AMOUNT
			Qty.	Qty.			
81	Kota 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 (1cement : 4 coarse sand) : 25 mm thick	sqm		5.85	5.85		
82	Providing and fixing 18 mm thick gang saw cut mirror polished pre moulded and prepolished, machine cut for kitchen paltforms, vanity counters window sills, facias and similar locations of required size of 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. Granite stone slab of colour black, Cherry/Ruby red. Area of slab over 0.5 Sqm	Sqm		2.90	2.90		
83	Providing and laying Vitrified tiles in floor in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS:15622, of approved brand & manufacturer, in all colours and shade, laid on 20 mm thick cement mortar 1:4 (1 cement: 4 coarse sand) jointing with grey cement slurry @3.3 kg/sqm including grouting the joints with white cement and matching pigments etc. The tiles must be cut with the zero chipping diamond cutter only . Laying of tiles will be done with the notch trowel, plier, wedge, clips of required thickness, leveling system and rubber mallet for placing the tiles gently and easily. Double charge vitrified tile polished finish of size of Tile 600 x 600 mm	Sqm		161.81	161.81		

S.No.	Description of Items	Unit	Retrofitting work in 20 No Building at Nehru Place Market , Div-NHP	Retrofitting Work at SCADA office building, Balaji, Kalkaji, Div-ALN	Total Qty.	RATE	AMOUNT
			Qty.	Qty.			
84	Providing and fixing ISI marked oxidised M.S. tower bolt black finish, (Barrel type) with necessary screws etc. complete : (Copper oxidized as per IS : 1378). : 250x10 mm	Ea		2.00	2.00		
85	Providing and fixing ISI marked oxidised M.S. sliding door bolts with nuts and screws etc. complete : (Copper oxidized as per IS 1378):. 250x16 mm	Ea		2.00	2.00		
86	Providing gola 75x75 mm in cement concrete 1:2:4 (1 cement :2 coarse sand : 4 graded stone aggregate of 10 mm and down gauge) including finishing with cement mortar 1:3 (1 cement: 3 fine sand ) as per standard design : In 75 x75 mm deep chase	Mtr		44.74	44.74		
87	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		10.00	10.00		

S.No.	Description of Items	Unit	Retrofitting work in 20 No Building at Nehru Place Market , Div-NHP	Retrofitting Work at SCADA office building, Balaji, Kalkaji, Div-ALN	Total Qty.	RATE	AMOUNT
			Qty.	Qty.			
88	Providing and fixing UPVC (SWR) pipes Class B conforming to IS 13592 for soil, waste and vent pipes including all fittings rubber ring type (plain or access door) e.g. bends, junctions, cowls, offsets, access pieces etc., jointing with rubber ring joints(a) 110 mm dia	M		24.00	24.00		
89	Providing and fixing on wall face unplasticised - Rigid PVC rain water pipes conforming to IS : 13592 Type A including jointing with seal ring conforming to IS : 5382 leaving 10 mm gap for thermal expansion. (i) Single socketed pipes: 75 mm diameter	Mtr		4.00	4.00		
90	Providing and fixing on wall face unplasticised - Rigid PVC rain water pipes conforming to IS : 13592 Type A including jointing with seal ring conforming to IS : 5382 leaving 10 mm gap for thermal expansion. (i) Single socketed pipes: 110 mm diameter	Mtr		48.00	48.00		
91	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. coupler- 110 mm.	Ea		4.00	4.00		
92	Providing and fixing unplasticised PVC connection pipe with brass unions: 45 cm length, 15 mm NB	Ea		3.00	3.00		

S.No.	Description of Items	Unit	Retrofitting work in 20 No Building at Nehru Place Market , Div-NHP	Retrofitting Work at SCADA office building, Balaji, Kalkaji, Div-ALN	Total Qty.	RATE	AMOUNT
			Qty.	Qty.			
93	Providing and fixing white vitreous china flat back half stall urinal of size 580x380x350 mm with white PVC automatic flushing cistern, with fittings, standard size C.P. brass flush pipe, spreaders with unions and clamps (all in C.P. brass) with waste fitting as per IS : 2556, C.I. trap with outlet grating and other couplings in C.P. brass, including painting of fittings and cutting and making good the walls and floors wherever required : Single half stall urinal with 5 litre P.V.C. automatic flushing cistern.	Ea		2.00	2.00		
94	Providing and fixing white vitreous china wall mounted water closet (European type) with seat and lid and C.P flush bend with fittings & C.I. brackets, 40 mm flush bend, overflow arrangement with specials of standard make and mosquito proof coupling of approved municipal design complete including painting of fittings and brackets, cutting and making good the walls and floors wherever required. W.C. pan with ISI marked white solid plastic seat and lid. Make- Hindware	Ea		2.00	2.00		
95	Providing and fixing chrome plated wall mounted concealed flushing cistern with high and low flow knob and with all fitting. Make- Hindware, Model-Cute.	EA		2.00	2.00		
96	Providing and fixing Health faucet (hand held jet with flexible pipe) with chrome finish (make-Jaquar) for WC. Make & Model Jaquar, ALD-573	Ea		2.00	2.00		



S.No.	Description of Items	Unit	Retrofitting work in 20 No Building at Nehru Place Market , Div-NHP	Retrofitting Work at SCADA office building, Balaji, Kalkaji, Div-ALN	Total Qty.	RATE	AMOUNT
			Qty.	Qty.			
97	Providing and fixing C.P. brass bib cock of approved quality conforming to IS standards, with health faucet inlet opening 15 mm nominal bore. Make & Model no Jaquar FLR-5041N. 2 way bib cock.	EA		2.00	2.00		
98	Providing and fixing Automatic urinal sensor with stainless steel front panel including built in filter complete in all respect including control valves etc., as per approval of Engineer-in-charge including cutting and making good the walls wherever required.(PARRYWARE MAKE, CONCEALED TYPE).	EA		2.00	2.00		
99	Providing and fixing CP Pillar Faucet (Sensor based) with chrome finish (make- Hindware, F240001) including pillar sensor of weight 1.90 kg operated on AC/DC and single hole Installation: complete job.	Ea		2.00	2.00		
100	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer in Charge. Internal work - Exposed on wall : 25 mm nominal outer dia Pipes.	M		20.00	20.00		

S.No.	Description of Items	Unit	Retrofitting work in 20 No Building at Nehru Place Market , Div-NHP	Retrofitting Work at SCADA office building, Balaji, Kalkaji, Div-ALN	Total Qty.	RATE	AMOUNT
			Qty.	Qty.			
101	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge. Concealed work, including cutting chases and making good the walls : 20 mm nominal outer dia Pipes.	M		15.00	15.00		
102	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer in Charge. Internal work - Exposed on wall : 20 mm nominal outer dia Pipes.	M		10.00	10.00		
103	P/F of CP jalli of appd design and shape: 100 mm dia.	Ea		4.00	4.00		
104	Providing and fixing C.P. brass bib cock of approved quality conforming to IS: 8931: 15 mm nominal bore.	Ea		1.00	1.00		
105	Providing and Fixing bevelled edge mirror of superior quality glass (Modi /Sant Gobain) complete with 6 mm thick hard board fixed to wooden cleats with cp brass screws and washers etc complete.	Sqm		1.50	1.50		

S.No.	Description of Items	Unit	Retrofitting work in 20 No Building at Nehru Place Market , Div-NHP	Retrofitting Work at SCADA office building, Balaji, Kalkaji, Div-ALN	Total Qty.	RATE	AMOUNT
			Qty.	Qty.			
106	Providing and fixing PTMT liquid soap container 109 mm wide, 125 mm high and 112 mm distance from wall of standard shape with bracket of the same materials with snap fittings of approved quality and colour, weighing not less than 105 gms.	EA		1.00	1.00		
107	Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete. Semi rigid pipe 32 mm dia	Ea		2.00	2.00		
108	Providing and fixing gun metal gate valve with C.I. wheel of approved quality(screwed end): 25 mm NB	Ea		2.00	2.00		
109	Providing and fixing C.P. brass angle valve for basin mixer and gyser points of approved quality conforming to IS:8931 a) 15 mm nominal bore make hindware cat - F360006	Ea		2.00	2.00		
110	P/F CP brass 0.50 L liquid soap dispenser with simple push lever & brackets / fittings of same colour, fixed on walls i/c cutting of walls and making good after fixing the dispenser complete job. (Jaguar or Equivalent make).	EA		1.00	1.00		
111	Providing and fixing Stainless Steel A ISI 304 (18/8) kitchen sink as per IS: 13983 with C.I. brackets and stainless steel plug 40 mm, including painting of fittings and brackets, cutting and making good the walls wherever required : Kitchen sink without drain board : 610x510 mm bowl depth 200 mm.	Ea		1.00	1.00		
112	Providing and fixing rubbed stone slab table, edges rounded and polished, 75 cm high, 50 cm deep and 18mm thick, fixed in urinal partitions by cutting a chase of appropriate width with chase cutter and embedding the stone in the chase with epoxy grout or with cement	Ea		2.00	2.00		

S.No.	Description of Items	Unit	Retrofitting work in 20 No Building at Nehru Place Market , Div-NHP	Retrofitting Work at SCADA office building, Balaji, Kalkaji, Div-ALN	Total Qty.	RATE	AMOUNT
			Qty.	Qty.			
	concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 6 mm nominal size) as per direction of Engineer-in-charge and finished smooth. Granite Stone of approved shade.						
113	Providing and fixing double action hydraulic floor spring with stainless steel cover for Frameless Door of approved brand and includes patch fittings, 40 mm dia-450 mm floor spring of Dorma make (Model XL-C 4001 floor spring of 120 kg capacity) including cost of cutting floors as required, embedding in floors and cover plates with brass pivot and single piece M.S. sheet outer box with slide plate, the cost also of removing and refixing the old glass in working condition etc. complete as per the direction of Engineer-in-charge.	Ea		2.00	2.00		
114	Removing mortar from bricks and cleaning bricks including stacking within a lead of 50 m. (stacks of cleaned bricks shall be measured): From brick work in cement mortar	Ea		774.00	774.00		
115	Removing dry or oil bound distemper water proofing cement paint and the like by scrapping, sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete.	Sqm		40.00	40.00		
116	Providing and fixing 8" lock set Kiara model Doorset make with stainless steel handles : Complete Job	Ea		2.00	2.00		

S.No.	Description of Items	Unit	Retrofitting work in 20 No Building at Nehru Place Market , Div-NHP	Retrofitting Work at SCADA office building, Balaji, Kalkaji, Div-ALN	Total Qty.	RATE	AMOUNT
			Qty.	Qty.			
117	Providing and fixing trap of self cleansing design with screwed down or hinged grating with or without vent arm complete, including cost of cutting and making good the walls and floors : 100 mm inlet and 75 mm outlet Sand Cast Iron S&S as per IS : 1729.	Ea		3.00	3.00		
118	Providing & fixing vitreous china Oval wash basin 570x425mm dia. for under counter mounting, specially fabricated brackets painted white, 32mm C.P.cast brass bottle trap and connection pipe to wall with C.P. wall flange and rubber adopter for waste connection complete, including cutting and making good the walls wherever required. (PARRYWARE 0418 OR APPROVED EQUIVALENT, PASTEL COLOUR)	Ea		2.00	2.00		
119	Renewing glass panes, with putty and nails wherever necessary including racking out the old putty: Float glass panes of thickness 4 mm (weight not less than 10Kg/Sqm)	Sqm		5.76	5.76		
<b>SUB-TOTAL : PART-A CIVIL WORKS</b>							
<b>PART-B "ELECTRICAL WORKS"</b>							
1	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 A	Point	12.00	20.00	32.00		

S.No.	Description of Items	Unit	Retrofitting work in 20 No Building at Nehru Place Market , Div-NHP	Retrofitting Work at SCADA office building, Balaji, Kalkaji, Div-ALN	Total Qty.	RATE	AMOUNT
			Qty.	Qty.			
2	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 B	Point	20.00	38.00	58.00		
3	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.2 X 2.5 sq. mm + 1 X 2.5 sq. mm earth wire	Metre	140.00	379.00	519.00		
4	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.2 X 4 sq. mm + 1 X 4 sq. mm earth wire	Metre	110.00	354.00	464.00		
5	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. 25mm	Metre	110.00	200.00	310.00		
6	Supplying and fixing following way, single pole and neutral, sheet steel, MCB distribution board, 240 volts, 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) 8 way, Double door.	Each	2.00		2.00		



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S.No.	Description of Items	Unit	Retrofitting work in 20 No Building at Nehru Place Market , Div-NHP	Retrofitting Work at SCADA office building, Balaji, Kalkaji, Div-ALN	Total Qty.	RATE	AMOUNT
			Qty.	Qty.			
7	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.2 X 6 sq. mm + 1 X 6 sq. mm earth wire	Metre	20.00	20.00	40.00		
8	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 amps modular socket outlet and 15/16 amps modular switch, connection etc. as required.	Each	15.00	26.00	41.00		
9	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 amps modular socket outlet and 5/6 amps modular switch, connection etc. as required.	Each	6.00	7.00	13.00		
10	Supplying and fixing following rating, Four pole, 415 volts, MCB in the existing MCB DB complete with connection, testing and commishioning etc. as required 63 amps	Each	2.00		2.00		
11	Supplying and fixing 5 A to 32 A rating, 240/415 volts 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-Single Pole	Each	24.00	48.00	72.00		
12	P/F/T/C of PHILIPS make Stellar Bright LED Tube Light 20 W with Batten complete job.	Each	15.00		15.00		

S.No.	Description of Items	Unit	Retrofitting work in 20 No Building at Nehru Place Market , Div-NHP	Retrofitting Work at SCADA office building, Balaji, Kalkaji, Div-ALN	Total Qty.	RATE	AMOUNT
			Qty.	Qty.			
13	Supply, fixing, laying of M.S. painted raceway of following sizes with top openable MS sheet cover of 3mm thick complete with junction box of all ways with suitable nos of knockout for fixing conduits directly on it, neoprene rubber packing, bends and all accessories required (separate for computer wiring and power system) in floor. It will be grouted in the floor, junction will be bigger in size. This item will involve breaking the existing floor and putting a cushion of 5cm lean PCC for leveling under the raceway 100 x 50 x 2mm thick with 3mm top cover	Mtr	15.00	40.00	55.00		
14	Providing, Fixing, Testing & Commissioning Of 3 nos. 6A 5pin socket and 1 no.6A switch in 5 module plate for the various raw power / computer requirements.(with Ms Box)MAKE - MK OR EQUIVALENT	Each	10.00	25.00	35.00		
15	Providing and fixing wall mounting revolving fan of approved (Deluxe of 16" size) make including making all necessary connections etc. complete as per directions of Engineer-in-Charge.	Each	6.00	11.00	17.00		
16	Supplying and fixing following way, horizontal type three pole and neutral, sheet steel, MCB distribution board, 415 volts, 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). 4 (4+12) way Double door.	Each	2.00		2.00		
17	LUMINAIRE,LED TYPE: COOL DAY LIGHT; POWER: 36 W; VOLTAGE: 240V ; LAMP SIZE 600X600MM; ADDITIONAL INFORMATION: LED LIGHT 2X2 FEET	Each	10.00	12.00	22.00		





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S.No.	Description of Items	Unit	Retrofitting work in 20 No Building at Nehru Place Market , Div-NHP	Retrofitting Work at SCADA office building, Balaji, Kalkaji, Div-ALN	Total Qty.	RATE	AMOUNT
			Qty.	Qty.			
18	Providing and fixing following rating and breaking capacity and pole MCCB with thermomagnetic release and terminal spreaders in existing cubicle panel board including drilling holes in cubicle panel, making connections, etc. as required. 200 A,36 KA FP MCCB.	Each	1.00	1.00	2.00		
19	Providing and laying 4 core 10sqmm copper armoured cable with 2 x 16 SWG earth wire.	Rmt	20.00	30.00	50.00		
20	INFORMATION: CEILING MOUNTED INTERNAL LIGHT IN ROUND SHAPE LAMP,LED,TYPE:SPOT LIGHT;POWER:12W;VOLTAGE;240V;COLOR WHITE;DIMENSION:150MM;SPECIAL FEATURES:CEILING MOUNTED;ADDITIONAL BRPL-DAP-AD-OFE OFFICE EQUIPMENTS	Each	20.00	28.00	48.00		
21	Supplying and fixing following rating, double pole, 240 volts, isolator in the existing MCB DB complete with connections. testing and commissioning etc. as required. 63 Amps.	Each	4.00	2.00	6.00		
22	Supplying and fixing 20 amps, 240 volts, SPN industrial type, socket outlet, with 2 pole and earth, metal enclosed plug top along with 20 amps C' curve, SP, MCB, in sheet steel enclosure, on surface. or in recess, with chained metal cover for the socket out let and complete with connections, testing and commissioning etc. as required.	Each		4.00	4.00		

S.No.	Description of Items	Unit	Retrofitting work in 20 No Building at Nehru Place Market , Div-NHP	Retrofitting Work at SCADA office building, Balaji, Kalkaji, Div-ALN	Total Qty.	RATE	AMOUNT
			Qty.	Qty.			
23	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.2 X 16 sq. mm + 1 X 6 sq. mm earth wire	Metre		20.00	20.00		
24	Supplying and fixing following way, horizontal type three pole and neutral, sheet steel, MCB distribution board, 415 volts, 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). 8 (4+24) way Double door.	Each		2.00	2.00		
25	Supplying and fixing following rating, Four pole, 415 volts, MCB in the existing MCB DB complete with connection, testing and commishioning etc. as required 100 amps	Each		2.00	2.00		
26	Supplying, installing ,testing and commissioning triple pole and neutral overhead copper busbars in sheet steel enclosure in convenient sections with top and bottom covers suitable for use in ,3 phase,4 wire,415 volt,50 Hz, A.C. supply and of following rating. Complete with jointing of section. electrical connection/copper strips etc. as required.200 amps. Havells make	Each		1.00	1.00		
	Providing and fixing Exhaust Fan of size 12" of crompton approved make.	Each		6.00	6.00		
27	P/f of M.S Box 4" / 3" for 3/4 Module plate	Each		10.00	10.00		



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S.No.	Description of Items	Unit	Retrofitting work in 20 No Building at Nehru Place Market , Div-NHP	Retrofitting Work at SCADA office building, Balaji, Kalkaji, Div-ALN	Total Qty.	RATE	AMOUNT
			Qty.	Qty.			
28	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 mtr long etc. With Charcoal/coke and salt as required.	set		1.00	1.00		
29	Providing & Laying of the 300mm x 300mm x 50 mm deep MS junction boxes of 16SWG duly powder coated type with 14 SWG MS cover	Each		6.00	6.00		
<b>SUB-TOTAL : PART-B ELECTRICAL WORKS</b>							
<b>TOTAL : PART A + PART B</b>							
<b>ADD GST@18%</b>							
<b>TOTAL AMOUNT I/C GST @18%</b>							

**APPENDIX-III****PACKAGE-3 : DETAILED BOQ****Following is the list of works in Package-3**

<b>S.NO.</b>	<b>Name of Work</b>
1	Retrofitting work in O&M office at W Block ,GK-1 office, Div- NHP
2	Retrofitting work in Cash Office and EHV office at Lajpat Nagar near (Alankars 3C's), Div - NHP
3	Retrofitting works of S/stn bldg at sector-3 Pushp Vihar Div-SKT
4	Retrofitting Work in Type - V flat at West end colony, Div-RKP
5	Retrofitting work in Type-V flat at F-30B,NDSE-I,South Extension, Div - HKS
6	Retrofitting work in Furniture Store at Jangpura, Div - NZD
7	Retrofitting work in Store & Complaint center at Jangpura, Div - NZD
8	Retrofitting work in Type-5 flat at Ayurvigyan Nagar, Div - HKS
9	Retrofitting and repair works of S/stn building at 33kV Grid S/stn R.K. Puram- I.
10	Retrofitting works at 33 kV grid S/stn Andheria Bagh.



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**Detailed BOQ is as under:**

S.No	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No.5	S.No.6	S.No.7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
<b>PART-A "CIVIL WORKS"</b>															
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 disposal of excavated earth, lead upto 50 m and lift upto 1.5 m, disposed earth to be levelled and neatly dressed : All kinds of soil.	Cum	55.08		15.57	22.46	37.13	30.38			2.00		162.62		
2	Filling available excavated earth (excluding rock) in trenches plinth, sides of foundations etc. in layers not exceeding 20 cm in depth : consolidating Ea deposited layer by ramming and watering, lead upto 50 m and lift upto 1.5 m	Cum	44.06			13.85	29.83	30.38			3.20	120.87	242.19		



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S.No	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No.5	S.No.6	S.No.7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
3	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	SQM	251.37	137.73	240.30	99.98	127.60	405.38	62.56	31.32		309.00	1,665.24		



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S.No	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No.5	S.No.6	S.No.7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
	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														



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S.No	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No.5	S.No.6	S.No.7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
	and for final test."All above operations to be done in order and as directed and specified by the Engineer-in-Charge :With average thickness of 120 mm and minimum thickness at khurra as 65 mm.														





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S.No	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No.5	S.No.6	S.No.7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
4	Chipping of unsound/weak concrete material from slabs, beams, columns etc. with manual Chisel and/ or by standard power driven percussion type or of approved make including tapering of all edges, making square shoulders of cavities including cleaning the exposed concrete surface and reinforcement with wire brushes etc. and disposal of debris for all lead and lifts all complete as per direction of Engineer-In-Charge. - 50mm average thickness	Sqm	218.96		117.69	163.00	262.00				89.08		850.73		
5	Providing, mixing and applying bonding coat of approved adhesive on chipped portion of RCC as per specifications and direction of Engineer-In-charge complete in all respect. SBR Polymer (@10% of cement weight) modified cementitious bond coat @ 2.2 Kg cement per Sqm of surface area mixed with specified proportion of approved polymer	Sqm	2.42		117.69	163.00	262.00				89.08		634.19		



**BSES Rajdhani Power Ltd.**

S.No	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No.5	S.No.6	S.No.7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
6	Providing, mixing and applying SBR polymer (of approved make) modified Cement mortar in proportion of 1:4 (1 cement: 4 graded coarse sand with polymer minimum 2% by wt. of cement used) as per specifications and directions of Engineer-in-charge. Note: Measurement and payment: The pre-measurement of thickness shall be done just after the surface preparation is completed and Payment under this item shall be made only after proper wet curing has been done and surface has been satisfactorily evaluated by sounding / tapping with a blunt metal instrument and/or the 75mm size cube crushing strength at the end of 28 days to be not less than 30 N/Sqmm2). 12 mm average thickness.	Sqm	2.42		117.69	163.00	262.00				73.84	84.48	703.43		
7	Clean the surface and remove any dust, unsound material, from reinforcement etc Roughen the surface and remove any laitance by light scrubbing. The concrete surfaces	Sqm	218.96			163.00	262.00				48.04	34.39	726.39		



BSES Rajdhani Power Ltd.

S.No	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No.5	S.No.6	S.No.7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
	shall be thoroughly cleaned with wire brushes/cleaning brushes. Cleaning the existing reinforcement with wire brushes and cleaning burshes application of rust remover Rebakleen RR @ 0.25 Ltr/10sqm. Application of Nitozinc rich Primer @ 5 Sqm/Ltr after 24 hrs.														
8	Providing and fixing 3 mm dia (Gauge 10) stainless steel wire fabric mesh of grade SS 304 with spacing 25 mm x 25 mm in longitudinal and transverse direction to be fixed & firmly anchored to the surface of Brick masonry , stone masonry or concrete by means of stainless steel shear key or bolts including the cost of labour, tool & plants etc. complete as required for fixing as per direction of Engineer-in-charge. ( Drilling of holes & shear key or bolt shall be paid seperately.)	Sqm	203.29	131.33	117.69	108.68	121.50	64.88	141.15	30.30	42.47		961.29		
9	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding	Kg	-			3,950.92							3,950.92		



BSES Rajdhani Power Ltd.

S.No	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No.5	S.No.6	S.No.7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
	all complete upto plinth level. Thermo-Mechanically Treated bars of grade Fe-500D or more.														
10	Centring and shuttering including strutting, propping etc. and removal of form work for Columns, piers, abutments, pillars, posts and struts	Sqm	232.90			194.69	160.99	72.00		168.78			829.36		
11	Centring and shuttering including strutting, propping etc. and removal of form for Lintels, beams, plinth beams, girders, bressumers and cantilevers.	Sqm	203.29	175.10	106.89	278.10	161.87	173.93	200.70	39.37	84.93	343.88	1,768.06		
12	Centring and shuttering including strutting, propping etc. and removal of form work for : Foundations, footings, bases of columns. For mass concrete	Sqm	38.86			12.48	10.56	16.20				69.07	147.17		
13	Providing and laying in position specified grade of reinforced cement concrete, excluding the cost of centering, shuttering, finishing and reinforcement - All work up to plinth level : 1:1.5:3 (1 cement : 1.5 coarse sand (zone-III) derived from natural sources : 3 graded stone aggregate 20 mm	Cum	8.16			16.64	13.93	6.08		11.60	0.50	1.50	58.41		



**BSES Rajdhani Power Ltd.**

S.No	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No.5	S.No.6	S.No.7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
	nominal size derived from natural sources)														
14	Reinforced cement concrete work in walls (any thickness), including attached pilasters, buttresses, plinth and string courses, fillets, columns, pillars, piers, abutments, posts and struts etc. above plinth level up to floor five level, excluding cost of centering, shuttering, finishing and reinforcement : 1:1.5:3 (1 cement : 1.5 coarse sand(zone-III) derived from natural sources : 3 graded stone aggregate 20 mm nominal size derived from natural sources).	Cum	15.91			7.55	6.60	9.79				0.58	40.43		
15	Providing and inserting 12mm dia galvanised steel injection nipple in honey comb area and along crack line including drilling of holes of required diametre (20mm to 30mm) up to depth from 30mm to 80mm at required spacing and making the hole & crack dust free by blowing compressed air, sealing the distance between injection nipple with adhesive chemical of	Ea		964.00	1,784.00	509.00	558.00				31.04	28.00	3,874.04		

S.No	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No.5	S.No.6	S.No.7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
	approved make and allow it to cure complete as per direction of Engineer-In-Charge.														
16	Providing and injecting approved grout in proportion recommended by the manufacturer into cracks/honey-comb area of concrete/masonry by suitable gun/pump at required pressure including cutting of nipples after curing etc. complete as per directions of Engineer-in-Charge.	Kg		38.56	53.52	21.00	23.00				1.24		137.32		
17	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of engineer in charge. Nominal concrete: 1:3:6 or richer mix (i/c equivalent design mix).	Cum	4.08		0.78	2.64	2.64			0.32	0.51	75.79	86.76		
18	Demolishing mud phaska in terracing and disposal of material within 50 metres lead.	Cum	75.41	41.32	28.84	26.35	38.28		62.56			309.00	581.76		
19	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.	Sqm	203.29	131.33		108.68	121.50	64.88	150.53		435.00	422.41	1,637.62		



BSES Rajdhani Power Ltd.

S.No	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No.5	S.No.6	S.No.7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
20	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	10.94	9.18	1.37	2.64	2.64	4.73	4.44	5.08	0.50	35.89	77.41		
21	Providing and fixing bolts including nuts and washers complete.	Kg	1,612.00	299.52	337.70	259.00	298.00	122.72	299.52	80.08	72.29	46.91	3,427.74		
22	Providing and laying polished 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 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., complete. size of tile 600x600mm	Sqm	295.25	113.63	54.08	122.54	122.54		132.20	115.48		9.32	965.04		
23	12 mm cement plaster of mix: 1:4 (1 cement : 4 coarse sand)	Sqm	131.34	111.15		63.00	51.00		25.00	100.87			482.36		



**BSES Rajdhani Power Ltd.**

S.No	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No.5	S.No.6	S.No.7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
24	15 mm cement plaster on rough side of single or half brick wall of mix: 1:4 (1 cement : 4 coarse sand).	Sqm	131.34	174.60	24.26	63.00	51.00		25.00	74.82	24.17	142.60	710.79		
25	Distemping with oil bound washable distemper of approved brand and manufacture to give an even shade. New work (two or more coats) over and including water thinnable priming coat with cement primer	Sqm	1,538.80	543.31	752.62	776.00	802.54	1,008.86	998.04	258.20	514.75	724.41	7,917.53		
26	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	2,322.39	1,085.30	192.01	923.00	958.00	1,339.79	832.23	353.46	554.84	1,630.64	10,191.66		
27	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 @2.20Kg/10 Sqm).	Sqm	783.59	541.99	741.74	762.00	791.79	330.94	666.41	141.29	40.08	906.23	5,706.06		





**BSES Rajdhani Power Ltd.**

S.No	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No.5	S.No.6	S.No.7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
28	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 40mm dia. M.S. tube 1.5 m centre to centre horizontal & vertical tubes joining with cup & lock system with M.S. tubes, M.S. tube chalis, 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, connection with the building etc, wherever required, if feasible, for inspection of work at required locations with essential safety features for the workmen etc.	Sqm	448.19			272.00	310.00				124.21	187.20	1,341.60		



BSES Rajdhani Power Ltd.

S.No	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No.5	S.No.6	S.No.7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
	complete as per directions and approval of Engineer-in-charge. The elevational area of the scaffolding shall be measured for payment purpose. The payment will be made once only for execution of all items for such works.														
29	Extra for cutting reinforcement bars manually/ by mechanical means in R.C.C. or R.B. work (Payment shall be made on the cross sectional area of R.C.C. or R.B. work) as per direction of Engineer-In-charge.	Sqm	13.84										13.84		
30	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	CUM	48.81					63.69				91.85	204.35		



BSES Rajdhani Power Ltd.

S.No	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No.5	S.No.6	S.No.7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
	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). All works above plinth level upto floor V level														
31	Providing and Fixing C-Vigo Light ceramic glazed wall tiles of size 300x450 of approved make, shades 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 . Kajaria Make C-VIGO LIGHT HSN CODE 69072100	Sqm	21.00	40.60		37.87	37.87		40.60		46.70		224.64		



BSES Rajdhani Power Ltd.

S.No	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No.5	S.No.6	S.No.7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
32	Providing and laying C-Vigo floor tiles of size 300x300 mm of approved make and colors, 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 pigment etc., ( Kajaria make HSN Code 69072100)complete	Sqm	6.00	21.00		10.25	10.33		12.00		10.38		69.96		
33	Drilling suitable holes in reinforced/plain cement concrete/brick masonry/CC block masonry/stone masonry with power driven drill machine in RCC beams, lintels, columns and slabs to introduce steel bars for anchoring wire mesh including fixing the steel bars in position using epoxy resin anchor grout of approved make but excluding the cost of reinforcement, all complete as per direction of Engineer-In-Charge. Upto and including 12 mm dia.	Ea	3,100.00		1,810.00	87.00	647.00				60.00		5,704.00		



BSES Rajdhani Power Ltd.

S.No	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No.5	S.No.6	S.No.7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
34	Providing and placing in position micro-concrete which shall be cement based pre packed single component chloride free non shrink free flow self compacting ready to use after mixing water in specified proportion obtained from approve manufacturer as per specification and direction of Engineer-in-charge. (Payment under this item shall be made only after proper wet curing has been done and surface has been satisfactorily evaluated by sounding / tapping with a blunt metal instrument) self flowing non shrink micro concrete, Grade as per drawing.	Cum	4.08		5.88						2.40	0.50	12.86		
35	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 20mm nominal size) over P.V.C. sheet 1mx 1mx400 micron, finished with 12 mm cement plaster 1:3 (1 cement : 3 coarse sand) and a coat of neat cement rounding	Ea	7.00	4.00		6.00	6.00		4.00		3.00		30.00		

S.No	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No.5	S.No.6	S.No.7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
	the edges and making and finishing the outlet complete.														
36	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 1:4 (1 cement : 4 coarse sand)	Cum	30.21	12.42	5.77	14.42	11.80			23.53	1.96	23.49	123.60		
37	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	4.31	4.66							0.50	3.31	12.78		
38	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.: In cement mortar	Cum	34.51	9.32		14.42	11.80			5.30		53.08	128.43		
39	Dismantling tile work in floors and roofs laid in cement mortar including stacking material within 50 metres lead: For thickness of tiles 10 mm to 25 mm	Sqm	295.25	113.63	39.14	154.42	154.42		132.20	36.54	6.00	4.48	936.08		



BSES Rajdhani Power Ltd.

S.No	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No.5	S.No.6	S.No.7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
40	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.	Cum	113.46	79.37	52.50	25.00	25.00		100.61	50.00			445.94		
41	Structural steel work riveted, bolted or 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	351.88	673.80	150.89	94.80	189.60		20.90	750.31	50.00	101.74	2,383.92		
42	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade. Two or more coats on new work.	Sqm	67.36	184.39		98.06	98.06	43.00	121.40	24.40			636.67		
43	Centring and shuttering including strutting, propping etc. and removal of form for: Suspended floors, roofs, landings, balconies and access platform	Sqm	12.15		15.98			405.38	279.08	79.03	9.15	327.69	1,128.46		
44	6mm cement plaster to ceiling of mix: 1:3 (1 cement : 3 fine	Sqm	473.19	196.99	26.22	324.12	297.06	610.16	500.67	96.45		33.49	2,558.35		



BSES Rajdhani Power Ltd.

S.No	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No.5	S.No.6	S.No.7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
45	Providing and fixing ISI marked flush door shutters conforming to IS: 2202 (Part I) decorative type, core of block board construction with frame of 1st class hard wood and well matched teak 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters. 25 mm thick (for cupboard) including ISI marked nickel plated bright finished M.S. Piano hinges IS: 3818 marked with necessary screws.	SQM	17.01	18.90					7.56				43.47		
46	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) derived from natural sources : 4 graded stone aggregate 20 mm nominal size derived from natural sources)	Cum	13.75	13.13	0.48			9.19	11.29	2.27	1.00	3.66	54.77		





BSES Rajdhani Power Ltd.

S.No	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No.5	S.No.6	S.No.7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
47	Providing/fixing by welding (IRC fabric) welded mesh of size 25x75 mm of weight not less than 7.75 kg/ sqm to the frame of MS angles, tees, etc. including priming coat of approved brand.	KG	275.13							189.11			464.24		
48	Providing and fixing M.S. Sheet of required thickness to M.S frames by welding. (The cost includes the cost of M.S. sheet, cutting, straightening, labour, cartage, welding rods, hire charges of welding machine etc. complete) as per direction of Engineer-In-Charge.	Kg	29.87						42.63				72.50		
49	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge. Concealed	Mtr	10.00	25.00	35.00	30.00	40.00		5.00	75.00			220.00		



BSES Rajdhani Power Ltd.

S.No	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No.5	S.No.6	S.No.7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
	work, including cutting chases and making good the walls : 20 mm nominal outer dia Pipes.														
50	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge. Concealed work, including cutting chases and making good the walls : 15 mm nominal outer dia Pipes.	Mtr	10.00	20.00					5.00				35.00		
51	Providing and fixing on wall face unplasticised - Rigid PVC rain water pipes conforming to IS : 13592 Type A including jointing with seal ring conforming to IS : 5382 leaving 10 mm gap for thermal expansion. (i) Single socketed pipes: 110 mm	Mtr	20.00	80.00	16.80	33.60	33.60		20.00	20.00			224.00		



**BSES Rajdhani Power Ltd.**

S.No	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No.5	S.No.6	S.No.7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
52	diameter. Dismantling doors, windows and clerestory windows (steel or wood) shutter including chowkhats, architrave, holdfasts etc. complete and stacking within 50 metres lead: Of area 3 sq. metres and below	Ea	11.00		21.00	10.00	5.00				19.00	8.00	74.00		
53	Providing and fixing aluminium extruded section body tubular type universal hydraulic door closer (having brand logo with ISI, IS : 3564 embosed 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.	Ea	6.00	2.00	9.00				2.00	12.00	4.00		35.00		
54	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. Twin rubber stopper	Ea	9.00	10.00	11.00				6.00		4.00	7.00	47.00		



BSES Rajdhani Power Ltd.

S.No	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No.5	S.No.6	S.No.7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
55	Providing and fixing aluminium tower bolts ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade with necessary screws etc. complete: 300x10 mm	Ea	18.00	20.00					12.00				50.00		
56	Providing and fixing aluminium sliding door bolts ISI marked anodised (anodic coating not less than grade AC 10 as per IS:1868) transparent or dyed to required colour and shade with nuts and screws etc. complete: 300x16 mm	Ea	9.00	10.00					4.00		8.00		31.00		
57	Providing and fixing aluminium handles ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade with necessary screws etc. complete: 125 mm	Ea	18.00	20.00					12.00		20.00	12.00	82.00		
58	Providing and fixing C.P. brass long body bib cock of approved quality conforming to IS standards and weighing not less than 690 gms: 15 mm nominal bore	Ea	6.00	8.00	4.00	2.00	2.00		4.00	10.00	2.00		38.00		



BSES Rajdhani Power Ltd.

S.No	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No.5	S.No.6	S.No.7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
59	Removal of wooden modular fixtures/work station and all electrical fittings/fixtures by dismantling and there after refixing the same by using new screws/brackets as required at site complete after execution of the required work. The item includes the cost of storing the work station/fixtures and fittings in safe custody. providing new switch/socket if required. For Normal Work stations up to 1.5 Mtrs Length including Chairs For Curvilinear length up to 3 Mtrs.	Ea	25.00	50.00					25.00				100.00		
60	P/F polythene cover for protection of wooden fixtures/ fittings and carpet etc. during the execution of work.	Sqm	132.00	264.00					132.00				528.00		



BSES Rajdhani Power Ltd.

S.No	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No.5	S.No.6	S.No.7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
61	Providing and fixing pre-coated galvanised iron profile sheets. (size shape make and pitch of corrugation as approved by Engineer in-charge) 0.50 mm (+0.05%) total coated thickness with zinc coating 120 grams per Sqm as per IS:277, in 240 mpa steel grade 5-7 microns epoxy primer on both side of the sheet and polyster top coat 15-18 microns. Sheet should have protective guard film of 25microns minimum to avoid scratches during transportation and should be supplied in single length upto 12 metre or as desired by Engineer -in-charge The sheet shall be fixed using self drilling /self tapping screws of size (5.5x 55 mm) with EPDM seal, complete upto any pitch in horizontal/ vertical or curved surfaces, excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required.	Sqm	117.00							86.17			203.17		



BSES Rajdhani Power Ltd.

S.No	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No.5	S.No.6	S.No.7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
62	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of engineer in charge. Nominal concrete : 1:4:8 or leaner mix (i/c equivalent design mix)	Cum	0.45								0.50		0.95		
63	Providing and Laying 150mm dia PVC pipe (Heavy duty-working pressure 6Kg/cm2) of Prakash or equivalent make as per required slope for sewer line including jointing etc. complete as per direction of Engineer-in-charge (Wt. of pipe-22 Kg approx).	Mtr	15.00	25.00	11.50				15.00	20.00			86.50		
64	Excavating trenches of required width for pipes, cables, etc including excavation for sockets, and dressing of sides, ramming of bottoms, depth upto 1.5 m including getting out the excavated soil, and then returning the soil as required, in layers not exceeding 20 cm in depth, including consolidating Ea deposited layer by ramming , watering, etc. and disposing of surplus excavated soil as directed ,within a	Mtr	15.00	25.00					15.00				55.00		



BSES Rajdhani Power Ltd.

S.No	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No.5	S.No.6	S.No.7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
	lead of 50 metre. All kinds of soil -Pipes, cables etc. exceeding 80 mm dia. but not exceeding 300 mm dia.														
65	Providing and laying cement concrete 1:5:10 (1 cement : 5 coarse sand : 10 graded stone aggregate 40 mm nominal size) allround S.W. pipes including bed concrete as per standard design: 150 mm dia S.W. pipe	Mtr	15.00	25.00					15.00				55.00		
66	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		2.76	5.55			17.33	2.76	2.01			30.41		





BSES Rajdhani Power Ltd.

S.No	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No.5	S.No.6	S.No.7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
67	Providing and fixing concertina coil fencing with punched tape concertina coil 600 mm dia 10 metre openable length (total length 90 m), having 50 nos rounds per 6 metre length, upto 3 m height of wall with existing angle iron 'Y' shaped placed 2.4 m or 3.00 m apart and with 9 horizontal R.B.T. reinforced barbed wire, stud tied with G.I. staples and G.I. clips to retain horizontal, including necessary bolts or G.I. barbed wire tied to angle iron, all complete as per direction of Engineer-in-charge, with reinforced barbed tape(R.B.T.) / Spring core (2.5mm thick) wire of high tensile strength of 165 Kg/sq.mm with tape (0.52 mm thick) and weight 43.478 gm/ metre (cost of M.S. angle, C.C. blocks shall be paid separately).	Mtr		27.00						55.00	120.00		202.00		



BSES Rajdhani Power Ltd.

S.No	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No.5	S.No.6	S.No.7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
68	Providing and fixing white vitreous china pedestal type water closet (European type) with seat and lid, 10 litre low level white vitreous china flushing cistern and C.P flush bend with fittings & C.I. brackets, 40 mm flush bend, overflow arrangement with specials of standard make and mosquito proof coupling of approved municipal design complete including painting of fittings and brackets, cutting and making good the walls and floors wherever required. W.C. pan with ISI marked white solid plastic seat and lid.	Ea		2.00						4.00			6.00		
69	Providing and fixing white vitreous china flat back or wall corner type lipped front urinal basin of 430x260x350 mm and 340x410x265 mm sizes respectively with automatic flushing cistern with standard flush pipe and C.P. brass spreaders with brass unions and GI clamps complete, including painting of fittings and brackets, cutting and making good the walls and	Ea		2.00							1.00		3.00		



BSES Rajdhani Power Ltd.

S.No	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No.5	S.No.6	S.No.7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
	floors wherever required: Range of two urinal basins with 5 litre white P.V.C. automatic flushing cistern.														
70	Providing and fixing wash basin with C.I. brackets, 15 mm C.P. brass pillar taps, 32 mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever required : White Vitreous China Surgeon type wash basin of size 660x460 mm with a pair of 15 mm C.P. brass pillar taps with elbow operated levers.	Ea		2.00	2.00					4.00			8.00		
71	Constructing brick masonry manhole in cement mortar 1:4 (1 cement:4 coarse sand) RCC top slab with 1:2:4 mix (1 cement: 2 coarse sand: 4 graded stone aggregate 20 mm nominal size), foundation concrete 1:4:8 mix ( 1 cement: 4 coarse sand: 8 graded stone aggregate 40mm nominal size), inside plastering 12 mm thick with cement mortar 1:3 (1cement: 3 corse sand) finished with floating coat of	Ea		2.00	3.00					2.00			7.00		



BSES Rajdhani Power Ltd.

S.No	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No.5	S.No.6	S.No.7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
	neat cement and making channels in cement concrete 1:2:4(1 cement: 2 coarse sand: 4 graded stone aggregate 20 mm nominal size) finished with a floating coat of neat cement complete as per standard design : Inside size 90x80cm and 45cm deep including CI cover with frame(light duty) 455x610mm internal diamensions, total weight of cover and frame to be not less than 38Kg (weight of cover 23Kg and weight of frame 15Kg) With common burnt clay F.P.S (non modular) bricks with class designation 7.5														
72	Constructing brick masonry road gully chamber 45x45x77.5 cm with bricks in cement mortar 1:4 (1 cement : 4 coarse sand ) with pre-cast R.C.C. vertical grating complete as per standard design : With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	Nos		2.00						3.00			5.00		

S.No	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No.5	S.No.6	S.No.7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
73	Providing and laying 60mm thick factory made cement concrete interlocking paver block of M -30 grade made by block making machine with strong vibratory compaction, of approved size, design & shape, laid in required colour and pattern over and including 50mm thick compacted bed of coarse sand, filling the joints with line sand etc. all complete as per the direction of Engineer-in-charge.	Sqm		89.06					59.19	122.50			270.75		
74	Reinforced cement concrete work in beams, suspended floors, roofs having slope up to 15° landings, balconies, shelves, chajjas, lintels, bands, plain window sills, staircases and spiral stair cases above plinth level up to floor five level, excluding the cost of centering, shuttering, finishing and reinforcement with 1:1.5:3 (1 cement : 1.5 coarse sand(zone-III) derived from natural sources : 3 graded stone aggregate 20 mm nominal size derived from natural sources).	Cum			2.38				40.12		0.38	2.61	45.49		



BSES Rajdhani Power Ltd.

S.No	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No.5	S.No.6	S.No.7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
75	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete above plinth level. Cold twisted bars	Kg			814.03					3,479.03			4,293.06		
76	12 mm cement plaster of mix 1:4 (1 cement : 4 fine sand)	Sqm			49.78			15.00			47.49	188.99	301.26		
77	Removing dry or oil bound distemper water proofing cement paint and the like by scrapping, sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete.	Sqm			1,494.36	923.00	958.00				483.18		3,858.54		
78	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 ie. at top, bottom and sides with required EDPM rubber/neoprene gasket etc.	Kg			83.16					208.79			291.95		



BSES Rajdhani Power Ltd.

S.No	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No.5	S.No.6	S.No.7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
79	Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing/panelling, C.P. brass/stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing panelling and dash fasteners to be paid for separately.) 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.) Anodised aluminium (anodised transparent or dyed to required shade according to IS: 1868, minimum anodic coating of grade AC 15) Providing and fixing aluminium work for doors, windows, and ventilators	Kg			9.36								9.36		



BSES Rajdhani Power Ltd.

S.No	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No.5	S.No.6	S.No.7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
	partitions with extruded built up standard tubular sections/ appropriate Z sections and other sections of approved make conforming to IS:733 and IS:1285, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/ neoprene gasket etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing/panelling, C.P.brass/stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing, panelling and dash fasteners to be paid for separately): For Fixed portion. Anodised aluminium (anodised transparent or dyed to required shade according to IS: 1868, Minimum anodic coating of grade AC 15)														





BSES Rajdhani Power Ltd.

S.No	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No.5	S.No.6	S.No.7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
80	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 mm thickness (weight not less than 12.50 kg/sqm)	Sqm			13.44							36.66	50.10		
81	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 : 35 mm thick including ISI marked Stainless Steel butt hinges with necessary screws	Sqm			23.35	18.90	18.90			22.68			83.83		



BSES Rajdhani Power Ltd.

S.No	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No.5	S.No.6	S.No.7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
82	Providing & fixing decorative high pressure laminated sheet of plain / wood grain in gloss/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 1.0 mm thick.	Sqm			36.54					45.36			81.90		
83	Providing and fixing chromium plated brass 100mm mortice latch and lock with 6 levers and a pair of lever handles of approved quality with necessary screws etc. complete.	Ea			7.00					12.00			19.00		
84	Providing and fixing stainless steel door Handles of approved quality and design having 25mm dia rod of semi glass finish-450mm long	Pair			11.00								11.00		
85	Providing and fixing aluminium sliding door bolts ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade with nuts and screws etc. complete : 250x16 mm	Ea			3.00	4.00	4.00					6.00	17.00		



BSES Rajdhani Power Ltd.

S.No	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No.5	S.No.6	S.No.7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
86	Providing and fixing aluminium tower bolts ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade with necessary screws etc. complete: 250x10 mm	Ea			18.00	4.00	4.00					10.00	36.00		
87	Supplying and fixing rolling shutters of approved make, made of required size M.S. laths, interlocked together through their entire length and jointed together at the end by end locks, mounted on specially designed pipe shaft with brackets, side guides and arrangements for inside and outside locking with push and pull operation complete, including the cost of providing and fixing necessary 27.5 cm long wire springs manufactured from high tensile steel wire of adequate strength conforming to IS: 4454 - part 1 and M.S. top cover of required thickness for rolling shutters. 80x1.25 mm M.S. laths with 1.25 mm thick top cover.	Sqm			7.18								7.18		



BSES Rajdhani Power Ltd.

S.No	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No.5	S.No.6	S.No.7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
88	Repairs to plaster of thickness 12mm to 20mm in patches of area 2.5 sq. metres and under, including cutting the patch in proper shape, raking out joints and preparing and plastering the surface of the walls complete, including disposal of rubbish to the dumping ground, all complete as per direction of engineer in charge. With cement mortar 1:4 (1 cement : 4 fine sand)	Sqm			25.00								25.00		
89	Supplying and filling in plinth with Jamuna sand under floors including, watering, ramming consolidating and dressing complete.	Cum			18.42								18.42		
90	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	Sqm			29.32					9.36			38.68		



BSES Rajdhani Power Ltd.

S.No	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No.5	S.No.6	S.No.7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
	jointing with grey cement slurry @ 3.3Kg per Sqm, including pointing in white cement mixed with pigment of matching shade complete.														
91	Providing and laying Ceramic glazed floor tiles of size 300x300 mm (thickness to be specified by the manufacturer) of 1st quality conforming to IS : 15622 of approved make in colours such as 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 pigment etc., complete.	Sqm			9.82							4.48	14.30		



BSES Rajdhani Power Ltd.

S.No	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No.5	S.No.6	S.No.7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
92	Providing and fixing 18 mm thick gang saw cut mirror polished pre moulded and prepolished, machine cut for kitchen paltforms, vanity counters window sills, facias and similar locations of required size of 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. Granite stone slab of colour black, Cherry/Ruby red. Area of slab over 0.5 Sqm	Sqm			6.29					9.77			16.06		



BSES Rajdhani Power Ltd.

S.No	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No.5	S.No.6	S.No.7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
93	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			12.50								12.50		
94	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints	Mtr			20.00	70.96	141.92			80.00	15.00		327.88		



BSES Rajdhani Power Ltd.

S.No	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No.5	S.No.6	S.No.7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
	complete as per direction of Engineer in Charge. Internal work - Exposed on wall : 25 mm nominal outer dia Pipes.														
95	Providing and fixing C.P. brass angle valve for basin mixer and gyser points of approved quality conforming to IS:8931 a) 15 mm nominal bore : 15 mm nominal bore	Ea			14.00	3.00	3.00			10.00	5.00		35.00		
96	Providing and fixing brass stop cock of approved quality: 15 mm Nominal bore	Ea			4.00								4.00		
97	Providing and fixing PTMT pillar cock of approved quality and colour 15mm nominal bore, 125mm long, foam flow. weighing not less than 120 gms.	Ea			2.00								2.00		
98	Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete. flexible pipe 32 mm dia.	Ea			5.00						3.00	2.00	10.00		
99	Providing and fixing trap of self cleansing design with screwed down or hinged grating with or without vent arm complete, including cost of cutting and making good the walls and floors : 100 mm inlet and 100 mm outlet	Ea			7.00	4.00	12.00						23.00		





BSES Rajdhani Power Ltd.

S.No	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No.5	S.No.6	S.No.7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
	Sand Cast Iron S&S as per IS : 1729.														
100	Providing and fixing uplasticised PVC connection pipe with brass unions: 45 cm length, 15 mm NB	Ea			7.00	8.00	8.00				3.00		26.00		
101	Providing and fixing white vitreous china pedestal type water closet (European type W.C. pan) with seat and lid, 10 litre low level white P.V.C. flushing cistern, including flush pipe with manually controlled device (handle lever), conforming to IS : 7231, with all fittings and fixtures complete including cutting and making good the walls and floors wherever required : W.C. pan with ISI marked white solid plastic seat and lid.	Ea			1.00								1.00		
102	Providing and fixing water closet squatting pan (Indian type W.C. pan) with 100mm sand cast Iron P or S trap, 10 litre low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever) conforming to IS : 7231, with all fitting and fixtures complete, including cutting and making good the walls	Ea			1.00								1.00		



BSES Rajdhani Power Ltd.

S.No	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No.5	S.No.6	S.No.7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
	and floors wherever required: White Vitreous china Orissa pattern W.C. pan.of size 580x440 mm with integral type foot rests.														
103	Providing and fixing white vitreous china flat back half stall urinal of size 580x380x350 mm with white PVC automatic flushing cistern, with fittings, standard size C.P. brass flush pipe, spreaders with unions and clamps (all in C.P. brass) with waste fitting as per IS : 2556, C.I. trap with outlet grating and other couplings in C.P. brass, including painting of fittings and cutting and making good the walls and floors wherever required : Single half stall urinal with 5 litre P.V.C. automatic flushing cistern.	Ea			1.00								1.00		
104	Providing and Fixing 600x450mm bevelled edge mirror of superior glass (of approved quality) complete with 6 mm thick hard board ground fixed to wooden cleats with cp brass screws and washers etc complete.	Ea			2.00						0.45	0.90	3.35		



BSES Rajdhani Power Ltd.

S.No	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No.5	S.No.6	S.No.7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
105	Providing and placing on terrace (at all floor levels) polyethylene water storage tank, ISI : 12701 marked, indicating the BIS License No. with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank.	Per Litre			1,000.00	1,000.00	2,000.00			2,000.00	1,000.00		7,000.00		
106	Making soak pit 2.5 m diameter 3.0 metre deep with 45 x 45 cm dry brick honey comb shaft with bricks and S.W. drain pipe 100 mm diameter, 1.8 m long complete as per standard design. With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	Ea			1.00								1.00		
107	Disconnecting damaged overhead/terrace PVC water storage tank of any size from water supply line and removing from the terrace including shifting at ground level as per direction of Engineer-in-charge.	Ea			2.00								2.00		

S.No	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No.5	S.No.6	S.No.7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
108	Supply, precast RCC trench cover of various size varying 1500 mm in length, 450 mm in width & 50 mm in thickness, with 3 mm thick 50mm wide, ms strip all around welded to the steel reinforcement bar of 6mm dia, 100 mm centre to centre & two no. hooks of 12 mm dia bar for lifting giving finishing top surface & grade of cement concrete M-20.	Sqm			11.25								11.25		
109	Kota 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) : 25 mm thick	Sqm			5.00	24.48	24.48						53.96		
110	Providing and laying in position specified grade of reinforced cement concrete, excluding the cost of centering, shuttering, finishing and reinforcement - All work up to plinth level : 1:2:4 (1 cement : 2 coarse sand (zone-III) derived from natural sources : 4 graded	Cum				0.90	0.90						1.80		



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S.No	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No.5	S.No.6	S.No.7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
	stone aggregate 20 mm nominal size derived from natural sources)														
111	Demolishing R.C.C. work manually /by mechanical means including stacking of steel bars and disposal of unserviceable material within 50 metres lead as per direction of Engineer-In-charge.	Cum				17.64					2.02	78.39	98.05		
112	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	Cum				20.16				20.03			40.19		



BSES Rajdhani Power Ltd.

S.No	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No.5	S.No.6	S.No.7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
	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. All works above plinth level upto floor V level Concrete of M25 grade with minimum cement content of 330 Kg /Cum														



BSES Rajdhani Power Ltd.

S.No	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No.5	S.No.6	S.No.7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
113	Repair of damaged RCC members like lintels, beams, columns, staircases, sunshades and slabs etc. which has broken and given away by dismantling of loose/unsound portion by chiselling, cleaning of surface with wire brushes and applying a thick coat of cement slurry and filling the cavities/notches and depression with cement mortar 1:2 (1 cement : 2 coarse sand + screened stone aggregate upto 6mm nominal size) in one, two or even three operations after fixing of chicken wiremesh with the old reinforcement by binding wire or by nailing whichever is feasible. Incase, the thickness of mortar exceeds 8 cm (approx), another layer of chickenmesh shall be fixed over larger area in the same manner and final coat of similar cement mortar shall be applied. Work also includes making arrangement for scaffolding etc complete.	SQM				9.03	9.03						18.06		



BSES Rajdhani Power Ltd.

S.No	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No.5	S.No.6	S.No.7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
114	Painting with aluminium paint of approved brand and manufacture to give an even shade. Two or more coats on new work	Sqm				37.80	37.80						75.60		
115	Providing and fixing ISI marked steel glazed doors, windows and ventilators of standard rolled steel sections, joints mitred and welded with 15x3 mm lugs, 10cm long, embedded in cement concrete blocks 15x10x10 cm of 1:3:6 (1Cement : 3 Coarse Sand : 6 graded stone aggregate 20 mm nominal size) or with wooden plugs and screws or rawl plugs and screws or with fixing clips or with bolts and nuts as required, including providing and fixing of glass panes with glazing clips and special metal sash putty of approved make complete including applying a priming coat of approved steel primer excluding the cost of metal beading and other fittings except necessary hinges or pivots as required. Windows side Hung	Sqm				4.32	4.32						8.64		



S.No	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No.5	S.No.6	S.No.7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
116	Providing and fixing ISI marked steel glazed doors, windows and ventilators of standard rolled steel sections, joints mitred and welded with 15x3mm lugs, 10cm long, embedded in cement concrete blocks 15x10x10 cm of 1:3:6 (1 Cement : 3 Coarse Sand : 6 graded stone aggregate 20 mm nominal size) or with wooden plugs and screws or rawl plugs and screws or with fixing clips or with bolts and nuts as required, including providing and fixing of glass panes with glazing clips and special metal sash putty of approved make complete including applying a priming coat of approved steel primer excluding the cost of metal beading and other fittings except necessary hinges or pivots as required. Ventilators Top Hung	Sqm				1.44	1.44						2.88		
117	Renewing glass panes, with putty and nails wherever necessary including racking out the old putty: Float glass panes of thickness 4 mm (weight not less	Sqm				8.10	8.10						16.20		



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S.No	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No.5	S.No.6	S.No.7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
118	than 10Kg/Sqm) Providing and fixing ISI marked oxidised M.S. handles conforming to IS:4992 with necessary screws etc. complete : (Copper oxidized as per IS : 1378). : 125 mm	Ea				4.00	4.00						8.00		
119	Providing and fixing by welding 65 mm size M.S. Hinges made out of 5mm thick M.S. sheet i/c nuts, bolts etc. complete to M.S. angles/channels as approved by Engineer-In-Charge . The cost is inclusive of material, cartage, welding etc. complete job.	Ea				30.00	30.00						60.00		
120	Providing and fixing 60 cm long PVC rain water spout in proper line and level in cement mortar 1:4 (1 cement : 4 fine sand) in the existing khurra level, dismantling wall/ pipe and making hole of required size for fixing of pipe, filling CC 1:3:6 (1cement :3 coarse sand : 6 graded stone aggregate 20mm nominal size) between wall and pipe, plastering both sides of walls with cement mortar 1:4 (1 cement :4 fine	EA				6.00	6.00				3.00		15.00		

S.No	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No.5	S.No.6	S.No.7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
	sand)and making the pipe joint leak proof. (PVC pipe should be of Prakash or equivalent make) 150 mm dia.														
121	Kota stone slabs 20 mm thick in risers of steps, skirting, dado and pillars laid on 12mm (average) thick cement mortar 1:3 (1cement : 3coarse sand) and jointed with grey cement slurry mixed with pigment to match the shade of the slabs, including rubbing and polishing complete.	Sqm				10.08	10.08						20.16		
122	Providing and fixing C.P. brass stop cock (concealed) of standard design and of approved make conforming to IS:8931: 15 mm nominal bore.	Ea				10.00	10.00			10.00	2.00	2.00	34.00		
123	Providing & fixing White vitreous china water closet squatting pan (Indian type) along with "S" or "P" trap including dismantling of old WC seat and "S" or "P" trap at site complete with all operations including all necessary materials, labour & disposal of dismantled material i/c malba, all complete as per the direction of Engineer-in charge.	Ea				2.00	4.00						6.00		



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S.No	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No.5	S.No.6	S.No.7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
	Long pattern W.C Pan of size 580x440 mm														
124	Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete. Semi rigid pipe 32 mm dia	Ea				16.00	16.00						32.00		
125	Dismantling broken W.C. pot/urinal/Wash basin including dismantling flooring, disconnecting G.I. inlet connection, flush pipe, traps etc. and disposal of rubbish to M.C.D. dumping ground complete.	EA				8.00	16.00				3.00		27.00		
126	Providing and fixing wash basin with C.I. brackets, 15 mm C.P. brass pillar taps, 32 mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever require : white vitreous china wash basin size 630x450 mm with single 15 mm C.P. brass pillar tap	Ea				4.00	4.00				1.00		9.00		
127	Providing and fixing Stainless Steel A ISI 304 (18/8) kitchen sink as per IS: 13983 with C.I. brackets and stainless steel plug 40 mm, including painting of fittings and brackets, cutting and making good the walls	Ea				2.00	4.00						6.00		



**BSES Rajdhani Power Ltd.**

S.No	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No.5	S.No.6	S.No.7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
	wherever required : Kitchen sink without drain board : 610x510 mm bowl depth 200 mm.														
128	Dismantling and refixing steel work in single sections including dismembering and stacking within 50 metres lead in: Channels, angles, tees and flats.	Kg				200.00	200.00						400.00		
129	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level. Cold twisted bars	Kg					2,464.1 3	7,603.38	4,011.8 2		262.40	12,081.15	26,422.88		
130	Providing and fixing aluminium Composite Panal (ACP) cladding (Al strong or indo bond make) of 4mm thickness consisting of a (.25 +2.5 +0.25) core of polyethylene sandwiched between two skins of aluminium alloy with outer surface in desired color coat in of PVDF paint in fully automatic coil coating process. The PVDF coated finished surface to be factory protected with self adhesive peel off foil tested to withstand atleast 6months	Sqm					19.76						19.76		

S.No	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No.5	S.No.6	S.No.7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
	exposure to local weathering condition. Specially designing frame work with vertical and Horizontal members of Alum section (38 x 25 x 1.4mm) to be fixed to column and wall with designed Aluminum Brackets and Stainless steel Anchor facsteners with necessary hardware. The Gaps between the pannel to be filled with Backer rod and weather silicon of approved make for the leak proof joints for installation as per approved architect elevation drawing and other Architectural drawings/ details and Architect's approval / directions complete.														
131	Dismantling roofing including ridges, hips valleys and gutters etc., and stacking the material within 50 metres lead of: G.S. Sheet	Sqm					9.88			10.50			20.38		
132	15 mm cement plaster on rough side of single or half brick wall of mix 1:4 (1 cement : 4 fine sand)	SQM						15.00					15.00		



BSES Rajdhani Power Ltd.

S.No	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No.5	S.No.6	S.No.7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
133	Disposal of moorum/building rubbish/ malba/ similar unserviceable, dismantled or waste material by mechanical transport including loading, transporting, unloading to approved municipal dumping ground for lead upto 10 km for all lifts, complete as per directions of Engineer-in-charge. Note - item to be applicable in urban areas having directions for restricted hours for movement/ plying of load carrying motor vehicle of 3.5 cum or more.	CUM						30.00			50.00	15.00	95.00		
134	Earth work in excavation by mechanical means (hydraulic excavator)/ manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 Sqm on plan) including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil. as directed, within a lead of 50 m. All kinds of soil.	Cum								28.05	2.00	151.09	181.14		



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S.No	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No.5	S.No.6	S.No.7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
135	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								8.42			8.42		
136	Dismantling doors, windows and clerestory windows (steel or wood) shutter including chowkhats, architrave, holdfasts etc. complete and stacking within 50 metres lead: Of area beyond 3 sq. metres	Ea								9.00	2.00	2.00	13.00		
137	Distemping with oil bound washable distemper of approved brand and manufacture to give an even shade : Old Work (two or more coats).	Sqm								554.42			554.42		
138	Finishing walls with Acrylic Smooth exterior paint of required shade: Old work (Two or more coats applied @ 1.67 ltr/ 10 Sqm) on existing cement paint surface.	Sqm								727.24			727.24		





BSES Rajdhani Power Ltd.

S.No	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No.5	S.No.6	S.No.7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
139	Providing and Fixing C-Vigo Light ceramic glazed wall tiles of size 300x450 of approved make, shades 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 . Kajaria Make C-VIGO LIGHT HSN CODE 69072100	SQM								34.20			34.20		
140	Providing and laying C-Vigo floor tiles of size 300x300 mm of approved make and colors, 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 pigment etc., ( Kajaria make HSN Code 69072100)complete	SQM								17.55			17.55		
141	Extra for fixing marble /granite stone over and above corresponding basic item, in facia and drops of width upto	Mtr								9.77		7.20	16.97		



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S.No	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No.5	S.No.6	S.No.7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
	150 mm with epoxy resin based adhesive including cleaning etc. complete.														
142	Half brick masonry with common burnt clay F.P.S (non modular) bricks of class designation 7.5 in superstructure above plinth level upto floor V level in cement mortar 1:4 (1 cement : 4 coarse sand)	Sqm								9.18		5.14	14.32		
143	Extra for providing and placing in position 2 No. 6 mm dia M.S bars at every third course of half brick masonry	Sqm								9.18			9.18		
144	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 fasteners shall be paid for separately : Kiln seasoned and chemically treated hollock wood.	Cum								0.44			0.44		
145	Providing and fixing bright finished brass tower bolts (barrel type) with necessary screws etc. complete : 200x10 mm	Ea								24.00			24.00		



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S.No	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No.5	S.No.6	S.No.7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
146	Providing and fixing bright finished brass handles with screws etc. complete: 125 mm	Ea								24.00			24.00		
147	Providing and fixing bright finished brass hanging type floor door stoper with necessary screws etc complete.	Ea								12.00			12.00		
148	Providing and fixing Stainless Steel A ISI 304 (18/8) kitchen sink as per IS:13983 with C.I. brackets and stainless steel plug 40 mm, including painting of fittings and brackets, cutting and making good the walls wherever required : Kitchen sink with drain board-510x1040 mm bowl depth 200 mm	Ea								4.00			4.00		
149	Providing and fixing C.P. brass bib cock of approved quality conforming to IS: 8931: 15 mm nominal bore.	Ea								10.00	6.00	3.00	19.00		
150	Providing and fixing C.P. brass long nose bib cock of approved quality conforming to IS standards and weighing not less than 810 gms : 15 mm nominal bore.	Ea								10.00		1.00	11.00		



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S.No	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No.5	S.No.6	S.No.7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
151	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. coupler-75 mm	Ea								10.00			10.00		
152	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. coupler- 110 mm.	Ea								10.00			10.00		
153	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. Single tee with door-	Ea								10.00			10.00		



BSES Rajdhani Power Ltd.

S.No	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No.5	S.No.6	S.No.7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
154	75x75x75 mm. 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. Single tee with door-110x110x110 mm.	Ea								10.00			10.00		
155	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. shoe (Plain) 75 mm.	Ea								10.00			10.00		
156	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	Ea								10.00			10.00		



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S.No	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No.5	S.No.6	S.No.7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
157	thermal expansion: shoe (plain) 110 mm. Providing and fixing on wall face unplasticised - Rigid PVC rain water pipes conforming to IS : 13592 Type A including jointing with seal ring conforming to IS : 5382 leaving 10 mm gap for thermal expansion. (i) Single socketed pipes: 75 mm diameter	Mtr								20.00			20.00		
158	FALSE CEILING IN POP PUNNING : P/F FALSE CEILING, DROPS, CEILING DESIGN BY. PROVIDING AND FIXING AT ALL HEIGHTS FALSE CEILING OF PLASTER OF PARIS PUNNING INCLUDING PROVIDING AND FIXING OF FRAME WORK MADE OF SPECIAL G.I. SECTIONS AND GALVANIZED IN ACCORDANCE WITH ZINC COATING 600 AS PER IS: 277 AND CONSISTING OF ANGEL CLEATS OF SIZE 25MM WIDE X 16MM THICK WITH FLANGES OF 22MM AND 37MM AT 300	SQM								63.70			63.70		



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S.No	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No.5	S.No.6	S.No.7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
	TO 450 CENTER TO CENTER AND G.I. JALI AS PER DESIGN HAVING Wt. 0.70 KG / SQM . SUPPORT FLANGE FIXED TO THE CEILING WITH DASH FASTENER 12.5MM DIA 40MM														
159	Providing and fixing wooden moulded beading to door and window frames with iron screws, plugs and priming coat on unexposed surface etc. complete :2nd class teak wood 50x12 mm	M								106.88			106.88		
160	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	Sqm								15.12			15.12		



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S.No	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No.5	S.No.6	S.No.7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
	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.														
161	Providing & fixing roller blinds screen Fabric/ blankout, off-white shade (VP-781) as per direction of EIC Mac décor/ approved make	Sqm								21.60			21.60		
162	Providing and laying rectified Glazed 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 colours White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick cement mortar 1:4 (1 Cement: 4 Coarse sand), jointing with grey cement slurry @ 3.3 Kg/ Sqm including grouting the joints with white cement and matching pigments etc., complete.	Sqm								3.78			3.78		



S.No	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No.5	S.No.6	S.No.7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
163	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 12 mm thick Hardcrete cement hardener consisting of mix 1:2 (1 cement hardener mix : 2 graded stone aggregate 6 mm nominal size) by volume with which 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									10.27	309.00	319.27		
164	Providing and fixing glass strips in joints of terrazo/cement concrete floors. - 40 mm wide and 4 mm thick.	Mtr									25.65		25.65		
165	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade one or more coats on old work.	SQM									82.57	159.99	242.56		



BSES Rajdhani Power Ltd.

S.No	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No.5	S.No.6	S.No.7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
166	Structural steel work in single section fixed with or without connecting plate including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete.	KG									46.00	1,342.80	1,388.80		
167	Providing sand stone slab for roofing and laying them in cement mortar 1 : 4 (1 cement : 4 coarse sand) over wooden karries or R.C.C. battens or structural steel sections (Karries or battens or structural steel sections to be paid separately), including pointing the ceiling joints with cement mortar 1:3 (1 cement : 3 fine sand ) complete : Red sand stone slab 40 to 50 mm thick	Sqm									3.75		3.75		
168	Providing & fixing White vitreous china water closet squatting pan (Indian type) along with "S" or "P" trap including dismantling of old WC seat and "S" or "P" trap at site complete with all operations including all necessary materials, labour and disposal of dismantled material i/c malba, all complete as per the direction of	Ea									1.00		1.00		



BSES Rajdhani Power Ltd.

S.No	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No.5	S.No.6	S.No.7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
	Engineer-in charge. Orissa pattern W.C Pan of size 580x440 mm														
169	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer in Charge. Internal work - Exposed on wall : 15 mm nominal outer dia Pipes	M									20.00	10.00	30.00		
170	P/F of CP jalli of appd design and shape: 100 mm dia.	Ea									5.00		5.00		
171	Trimming of any no. of branches of any size of any type of tree overhanging on building / terrace so as to keep them away from building by at least 2.00 mtr at the time of trimming in such a way that they do not fall on the bldg, terrace, GI/ACC shed, live transformer, electric/telephone wire by any means	Ea									3.00		3.00		



BSES Rajdhani Power Ltd.

S.No	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No.5	S.No.6	S.No.7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
	Use axe, saw, ropes etc. as per site conditions. The trimmed material to be disposed to the MCD bin by any means. Nothing shall be allowed to be burnt or flamed.														
172	Dismantling of PVC flooring of area up to 100 sqm by scraping/streching/cutting with necessary tools includig disposal of rubbish upto 50 m lead.	LS									1.00		1.00		
173	Providing and applying of approved make self-leveling epoxy coating at your plant with Specification as follows: • Scraping the complete area with the help of mechanical means or suitable method and grinding the floor with the help of floor grinding machine (dry grinding) to remove all dirt debris and loosely bonded epoxy coating • Application of Primer @ 200gm/sqm on the treated surface • Application of screed 2mm @ 2.5kg/sqm. • Final coat of Self leveling 2mm @2.5kg/sqm to attain the desired finish	Sqm									147.28		147.28		

S.No	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No.5	S.No.6	S.No.7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
174	Providing and fixing 18 mm thick gang saw cut mirror polished pre moulded and prepolished, machine cut for kitchen platforms, vanity counters window sills, facias and similar locations of required size of 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. Raj nagar plain white marble/Udaipur green marble/Zebra black marble. Area of slab over 0.5 Sqm	Sqm									3.79		3.79		
175	Making the opening in brick masonry including dismantling in floor or wall by cutting masonry making good the damages to walls, flooring and jambs complete to match the existing surface including disposal of malba/rubbish to the nearest municipal dumping ground. For	Ea									2.00	6.00	8.00		



BSES Rajdhani Power Ltd.

S.No	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No.5	S.No.6	S.No.7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
176	door/window/celerstor y window. 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) : For fixed	KG									113.45	219.92	333.37		



BSES Rajdhani Power Ltd.

S.No	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No.5	S.No.6	S.No.7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
	portion Powder coated aluminium (minimum thickness of powder coating 50 micron)														
177	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	KG									136.24	153.99	290.23		



BSES Rajdhani Power Ltd.

S.No	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No.5	S.No.6	S.No.7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
	separately) : 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).														





BSES Rajdhani Power Ltd.

S.No	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No.5	S.No.6	S.No.7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
178	Providing and fixing Curtain Glazing using Double Glazed Unit which shall be hermetically insulated (6mm thick heat reflective, toughened, hard coated colour glass on outside and 6 mm thick clear toughened glass on inside with 12 mm air gap fixed using aluminium extruded sections). The framing system shall use aluminum of grade 63400 WP IS: 733 and ID: 1285, pure polyester powder coated, 65microns in approved colour and shade fixed through adequately designed MS galvanized / aluminium anchor brackets. Work shall include designing, shop drawing, structural calculations based on thermal movement, air filtration, water penetration, seismic movement and structural movement as per standard procedure. The whole work to be done as per architectural elevation drawing i/c required aluminium sub-frame. Structural grade silicone filling with masonry / RCC	Sqm									14.47		14.47		



BSES Rajdhani Power Ltd.

S.No	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No.5	S.No.6	S.No.7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
	work, all height i/c double height, for straight / curve etc. complete.														
179	Providing and fixing aluminium casement windows fastener of required length for aluminium windows with necessary screws etc. complete. Powder coated minimum thickness 50 micron aluminium	Each									6.00		6.00		
180	Providing and fixing aluminium tower bolts ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to	EA									3.00		3.00		



BSES Rajdhani Power Ltd.

S.No	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No.5	S.No.6	S.No.7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
	required colour or shade with necessary screws etc. complete: 200x10 mm														
181	Washed stone grit plaster on exterior walls height upto 10 Meter. above ground level, in two layers, under layer 12 mm cement plaster 1:4 (1 cement : 4 coarse sand), furrowing the under layer with scratching tool, applying cement slurry on the under layer @ 2 Kg of cement per square metre, top layer 15mm cement plaster 1:1/2:2 (1 cement : 1/2 coarse sand : 2 stone chipping 10mm nominal size) in panels with groove all around as per approved pattern including scrubbing and washing. the top layer with brushes and water to expose the stone chippings, complete as per specification and direction of Engineer-In-Charge (Payment for providing grooves shall be made separately)	Sqm									430.84		430.84		

S.No	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No.5	S.No.6	S.No.7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
182	Forming groove of uniform size in the top layer of washed stone grit plaster as per approved pattern using wooden battens, nailed to the under layer including removal of wooden battens, repair to the edges of panels and finishing the groove complete as per specification and direction of the Engineer-In-Charge. 15 mm wide and 15 mm deep groove	Mtr									663.78		663.78		
183	Extra for using white cement in place of ordinary cement in the top layer of the item of washed stone grit plaster	Sqm									62.73		62.73		
184	Extra for using marble chips of size 7 to 10 mm nominal size in place of stone chipping 10 mm nominal size in Washed stone grit plaster on exterior walls	Sqm									62.73		62.73		



BSES Rajdhani Power Ltd.

S.No	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No.5	S.No.6	S.No.7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
185	Providing and fixing ISI marked Fire Escape door shutters with frame of Powder coated GI sheet. Each door leaf with 4 hinges (Make-Dauerhaft/ Hafele/ Equivalent), 1 no.of fire rated Door closure (make- Dauerhaft/ Hafele/ Equivalent), 1 no. of external trim (make- Dauerhaft/ Hafele/ Equivalent), 1 Fire Rated Wired Glass(200x300mm), (Make-Pilkington/ equivalent), 1 no. Three Point Panic Bar (Make-Dauerhaft / Hafele/ equivalent) with necessary screws. Cost includes Supply and installation of door. Cost of making opening for door with allied activities viz. dismantling work, concrete work, brick work, plastering, painting, tile work, false ceiling work, electrical and furniture dismantling and refixing etc which will be paid separately.	Sqm									11.48		11.48		
186	Surface dressing of the ground including removing vegetation and in-equalities not exceeding 15 cm deep and disposal of rubbish, lead upto 50	SQM										125.00	125.00		



BSES Rajdhani Power Ltd.

S.No	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No.5	S.No.6	S.No.7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
	m and lift upto 1.5 m : All kinds of soil.														
187	Earth work in surface excavation not exceeding 30 cm in depth but exceeding 1.5 m in width as well as 10 Sqm on plan including disposal of excavated earth upto 50 m and lift upto 1.5 m, disposed soil to be levelled and neatly dressed : All kinds of soil.	SQM										120.00	120.00		
188	Removing mortar from bricks and cleaning bricks including stacking within a lead of 50 m. (stacks of cleaned bricks shall be measured): From brick work in cement mortar	Each										7,962.00	7,962.00		
189	Dismantling stone slab flooring laid in cement mortar including stacking of serviceable material and disposal of unserviceable material within 50 metres lead.	Sqm										125.57	125.57		



BSES Rajdhani Power Ltd.

S.No	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No.5	S.No.6	S.No.7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
190	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 : 5 coarse sand (zone-III) derived from natural sources : 10 graded stone aggregate 40 mm nominal size derived from natural sources)	CUM										18.00	18.00		
191	Taking out doors, windows and clerestory window shutters (steel or wood) including stacking within 50 metres lead Of area beyond 3 sq. metres	Ea										99.34	99.34		
192	Cement concrete flooring 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate) finished with a floating coat of neat cement including cement slurry, but excluding the cost of nosing of steps etc. complete. 40 mm thick with 20 mm nominal size stone aggregate	Sqm										50.00	50.00		



BSES Rajdhani Power Ltd.

S.No	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No.5	S.No.6	S.No.7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
193	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	CUM													





BSES Rajdhani Power Ltd.

S.No	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No.5	S.No.6	S.No.7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
194	(Item of joint fillers, sealants, dowel bars with sleeve/ tie bars to be paid separately). Note:- Cement content considered in M-30 is @ 340 kg/cum. Excess/ less cement used as per design mix is payable/ recoverable separately. Cement concrete manufactured in automatic batching plant (RMC plant) i/c transportation to site in transit mixer														
	Providing and laying cement concrete in retaining walls, return walls, walls (any thickness) including attached pilasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window sills,	CUM										0.12	0.12		



BSES Rajdhani Power Ltd.

S.No	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No.5	S.No.6	S.No.7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
	fillets, sunken floor etc. upto floor five level, excluding the cost of centring, shuttering and finishing : 1:2:4 (1 Cement : 2 coarse sand (zone-III) derived from natural sources : 4 graded stone aggregate 20 mm nominal size derived from natural sources)														
195	Centering and shuttering including strutting, propping etc. and removal of form work for : Foundations, footings, bases for columns	SQM											-		
196	Centering and shuttering including strutting, propping etc. and removal of form work for : Columns, piers, abutments, pillars, posts and struts	SQM										215.12	215.12		
197	Repairs to plaster of thickness 12mm to 20mm in patches of area 2.5 sq. metres and under, including cutting the patch in proper shape, raking out joints and preparing and plastering the surface of the walls complete, including disposal of rubbish to the dumping ground, all complete as per direction of engineer	Sqm											-		



BSES Rajdhani Power Ltd.

S.No	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No.5	S.No.6	S.No.7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
	in charge: With cement mortar 1:4 (1 cement : 4 coarse sand)														
198	Removal of sapling of trees from roof of s/stn by removing mud phaska of roof treatment and relaying the mud phaska as per existing level upto 2 sqm i/c disposal of malba from roof etc. complete	Ea										8.00	8.00		
199	Flush pointing with cement mortar 1:3 (1 cement : 3 fine sand) mixed with 2% of integral water proofing compound by weight of cement for flat tile bricks on top of mud phaska: With F.P.S. brick tiles	Sqm											-		



BSES Rajdhani Power Ltd.

S.No	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No.5	S.No.6	S.No.7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
200	Regrading terracing of mud phaska covered with tiles or brick, in cement by dismantling tiles or bricks, removing mud plaster preparing the surface of mud phaska to proper slope relaying plaster gobi leaping and tiles or bricks, grouted in cement mortar 1:3 (1cement: 3 fine sand) including replacing unserviceable tiles or bricks with new ones and disposal of unserviceable material to the dumping ground (the cost of the new tiles or brick excluded) all complete as per direction of Engineer-in-Charge.	Sqm											-		
201	Painting with aluminium paint of approved brand and manufacture to give an even shade: one or more coats on old work.	Sqm										88.71	88.71		
202	Neat cement punning	SQM										17.70	17.70		



BSES Rajdhani Power Ltd.

S.No	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No.5	S.No.6	S.No.7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
203	Providing and fixing 18 mm thick gang saw cut, mirror polished, premoulded and prepolished, machine cut for kitchen platforms, vanity counters, window sills, facias and similar locations of required size, approved shade, colour and texture laid over 20 mm thick base cement mortar 1:4 (1 cement : 4 coarse sand), joints treated with white cement, mixed with matching pigment, epoxy touch ups, including rubbing, curing, moulding and polishing of edges to give high gloss finish etc. complete at all levels. Granite stone slab of all colour and texture except black, Cherry/Ruby red Area of slab over 0.50 sqm	SQM										3.84	3.84		



BSES Rajdhani Power Ltd.

S.No	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No.5	S.No.6	S.No.7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
204	Providing and fixing 18 mm thick gang saw cut mirror polished pre moulded and prepolished, machine cut for kitchen platforms, vanity counters window sills, facias and similar locations of required size of 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. Granite stone slab of all colour and texture except black, Cherry/Ruby red. Area of slab upto 0.50 sqm	SQM										1.40	1.40		
205	Providing and fixing 12 mm thick pre laminated particle board flat pressed three layer or graded wood particle board conforming to IS 12823 Grade I, Type II in panelling fixed in aluminium doors, windows shutters and partition frames with C.P. brass / stainless	SQM										6.38	6.38		



BSES Rajdhani Power Ltd.

S.No	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No.5	S.No.6	S.No.7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
	steel screws etc. complete as per architectural drawings and directions of engineer-in-charge. Prelaminated particle board with decorative lamination on both sides.														
206	Providing fixing aluminium casement windows fastener of required length for aluminium windows with necessary screws etc. complete. Polyester powder coated minimum thickness 50 micron aluminium.	Each										8.00	8.00		
207	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer in Charge. Internal work - Exposed on wall : 20 mm nominal outer dia Pipes.	M										10.00	10.00		



BSES Rajdhani Power Ltd.

S.No	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No.5	S.No.6	S.No.7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
208	Cutting holes upto 30x30 cm in walls including making good the same: With common burnt clay F.P.S. (non modular) bricks.	EA										12.00	12.00		
209	Welding by gas or electric plant including transportation of plant at site etc. complete	Cm										240.00	240.00		
210	Providing and laying epoxy flooring by cleaning existing floor, laying epoxy base and epoxy paint 2mm Thick	Sqm											-		
211	Providiing & applying demarkation line up to 10 cm width of approved colour with epoxy paint all complete as per direction of engineer incharge.	M											-		





BSES Rajdhani Power Ltd.

S.No	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No.5	S.No.6	S.No.7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
212	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). All works upto plinth level											43.34	43.34		
<b>SUB-TOTAL : PART-A CIVIL WORKS</b>															
<b>PART-B "ELECTRICAL WORKS"</b>															



BSES Rajdhani Power Ltd.

S.No	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No.5	S.No.6	S.No.7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
1	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 A	Point	12.00	6.00	21.00	16.00	12.00		6.00	17.00			90.00		
2	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 B	Point	20.00	10.00	31.00	19.00	25.00		10.00	26.00	15.00	20.00	176.00		
3	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	Metre	140.00	40.00	146.00	123.00	138.00		25.00	214.00	135.00	65.00	1,026.00		



BSES Rajdhani Power Ltd.

S.No	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No.5	S.No.6	S.No.7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
	class PVC conduit as required.2 X 2.5 sq. mm + 1 X 2.5 sq. mm earth wire.														
4	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.2 X 4 sq. mm + 1 X 4 sq. mm earth wire.	Metre	110.00	20.00	130.00	94.00	106.00		20.00	204.00	100.00	65.00	849.00		
5	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. 25mm	Metre	110.00	20.00	35.00	100.00	50.00		20.00		40.00		375.00		
6	Supplying and fixing following way, single pole and neutral, sheet steel, MCB distribution board, 240 volts, 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) 8 way, Double door.	Each	2.00		1.00	1.00	1.00		2.00				7.00		



BSES Rajdhani Power Ltd.

S.No	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No.5	S.No.6	S.No.7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
7	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. 2 X 6 sq. mm + 1 X 6 sq. mm earth wire.	Metre	20.00	20.00					10.00				50.00		
8	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 amps modular socket outlet and 15/16 amps modular switch, connection etc. as required.	Each	15.00	6.00	14.00	18.00	12.00		6.00	12.00	10.00	12.00	105.00		
9	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 amps modular socket outlet and 5/6 amps modular switch, connection etc. as required.	Each	6.00	6.00	8.00	10.00	7.00	3.00	6.00	29.00	10.00	12.00	97.00		
10	Supplying and fixing following rating, Four pole, 415 volts, MCB in the existing MCB DB complete with connection, testing and commishioning etc. as required 63	Each	2.00	2.00	1.00	1.00	2.00		2.00	1.00	1.00		12.00		



BSES Rajdhani Power Ltd.

S.No	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No.5	S.No.6	S.No.7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
11	amps. Supplying and fixing 5 A to 32 A rating, 240/415 volts 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- Single Pole	Each	24.00	12.00	12.00	25.00	20.00		12.00	15.00	18.00	6.00	144.00		
12	P/F/T/C of PHILIPS make Stellar Bright LED Tube Light 20 W with Batten complete job.	Each	15.00	15.00	32.00	33.00	29.00	25.00	15.00	1.00	30.00	34.00	229.00		
13	Supply, fixing, laying of M.S. painted raceway of following sizes with top openable MS sheet cover of 3mm thick complete with junction box of all ways with suitable nos of knockout for fixing conduits directly on it, neoprene rubber packing, bends and all accessories required (separate for computer wiring and power system) in floor. It will be grouted in the floor, junction will be bigger in size. This item will involve breaking the existing floor and putting a cushion of 5cm lean PCC for leveling under the raceway	Mtr	15.00	5.00					5.00				25.00		



BSES Rajdhani Power Ltd.

S.No	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No.5	S.No.6	S.No.7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
	100 x 50 x 2mm thick with 3mm top cover														
14	Providing, Fixing, Testing & Commissioning Of 3 nos. 6A 5pin socket and 1 no.6A switch in 5 module plate for the various raw power / computer requirements.(with Ms Box)MAKE - MK OR EQUIVALENT	Each	10.00	10.00	5.00	12.00	6.00		10.00		2.00		55.00		
15	Providing and fixing wall mounting revolving fan of approved (Deluxe of 16" size) make including making all necessary connections etc. complete as per directions of Engineer-in-Charge.	Each	6.00	4.00					4.00				14.00		



**BSES Rajdhani Power Ltd.**

S.No	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No.5	S.No.6	S.No.7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
16	Supplying and fixing following way, horizontal type three pole and neutral, sheet steel, MCB distribution board, 415 volts, 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). 4 (4+12) way Double door.	Each	2.00	1.00	1.00	1.00	1.00		1.00	2.00			9.00		
17	LUMINAIRE,LED TYPE: COOL DAY LIGHT; POWER: 36 W; VOLTAGE: 240V ; LAMP SIZE 600X600MM; ADDITIONAL INFORMATION: LED LIGHT 2X2 FEET	Each	10.00										10.00		
18	Providing and fixing following rating and breaking capacity and pole MCCB with thermomagnetic release and terminal spreaders in existing cubicle panel board including drilling holes in cubicle panel, making connections, etc. as required. 200 A,36 KA FP MCCB.	Each	1.00						1.00				2.00		



**BSES Rajdhani Power Ltd.**

S.No	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No.5	S.No.6	S.No.7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
19	Providing and laying 4 core 10sqmm copper armoured cable with 2 x 16 SWG earth wire.	Rmt	20.00	10.00					10.00				40.00		
20	INFORMATION: CEILING MOUNTED INTERNAL LIGHT IN ROUND SHAPE LAMP,LED,TYPE:SP OT LIGHT;POWER:12W; VOLTAGE;240V;COL OR WHITE;DIMENSION: 150MM;SPECIAL FEATURES:CEILING MOUNTED;ADDITIO NAL BRPL-DAP-AD- OFE OFFICE EQUIPMENTS	Each	20.00							18.00			38.00		
21	Supplying and fixing following rating, double pole, 240 volts, isolator in the existing MCB DB complete with connections. testing and commissioning etc. as required. 63 Amps.	Each	4.00	4.00	2.00	6.00	3.00	1.00	4.00				24.00		
22	Supplying and fixing 20 amps, 240 volts, SPN industrial type, socket outlet, with 2 pole and earth, metal enclosed plug top along with 20 amps C' curve, SP, MCB, in sheet steel enclosure, on surface. or in recess, with chained metal cover for the socket out let and complete with	Each			2.00	3.00	3.00			4.00	1.00		13.00		





BSES Rajdhani Power Ltd.

S.No	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No.5	S.No.6	S.No.7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
	connections, testing and commissioning etc. as required.														
23	P/f of M.S Box 4" / 3" for 3/4 Module plate	Each			5.00	9.00	7.00				2.00		23.00		
24	Providing and fixing ceiling fan 48" of crompton make with five stage Electronic fan regulator of anchor make.	Each			5.00	7.00	6.00			4.00	4.00		26.00		
25	P/F/T/C of LED Flood Light 35 W with Batten complete job.	Each			2.00	4.00	8.00						14.00		
26	Providing and fixing following rating and breaking capacity and pole MCCB with thermomagnetic release and terminal spreaders in existing cubicle panel board including drilling holes in cubicle panel, making connections, etc. as required. 125 A,36 KA FP MCCB.	Each			1.00	1.00	1.00				1.00		4.00		
27	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/	Metre			8.00	14.00	7.00			10.00	20.00		59.00		



**BSES Rajdhani Power Ltd.**

S.No	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No.5	S.No.6	S.No.7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
	recessed medium class PVC conduit as required.2 X 10 sq. mm + 1 X 6 sq. mm earth wire														
28	Providing and fixing, Testing & commissioning of 450mm dia heavy duty Exhaust Fan with louver of approved make.(crompton greaves)	Each			1.00	2.00	2.00				4.00	6.00	15.00		
29	Providing and fixing Exhaust Fan of size 12" of crompton approved make.	Each			2.00	3.00	3.00			5.00	3.00	2.00	18.00		
30	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 steel 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 A	Point					5.00						5.00		



BSES Rajdhani Power Ltd.

S.No	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No.5	S.No.6	S.No.7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
31	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 steel 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 B	Point						4.00					4.00		
32	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed steel conduit as required.2 X 2.5 sq. mm + 1 X 2.5 sq. mm earth wire.	Metre						10.00					10.00		
33	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed steel conduit as required.2 X 4 sq. mm + 1 X 4 sq. mm earth wire	Metre						15.00					15.00		



BSES Rajdhani Power Ltd.

S.No	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No.5	S.No.6	S.No.7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
34	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	Point									25.00	30.00	55.00		
35	Supplying and fixing following rating, four pole, (three phase and neutral), 415 volts, residual current circuit breaker (RCCB), having a sensitivity current upto 300 milliamperes in the existing MCB DB complete with connections, testing and commissioning etc. as required. 63Amps	Each									1.00	2.00	3.00		
36	Supplying and fixing following way, horizontal type three pole and neutral, sheet steel, MCB distribution board, 415 volts, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections,	Each									1.00	1.00	2.00		



BSES Rajdhani Power Ltd.

S.No	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No.5	S.No.6	S.No.7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
	powder painted including earthing etc. as required. (But without MCB/RCCB/Isolator). 6 (4+18) way Double door.														
37	Supply, Installation, Testing and Commissioning of 1200 mm sweep, BEE 5 star rated, ceiling fan with Brush Less Direct Current (BLDC) Motor, class of insulation: B, 3 nos. blades, 30 cm long down rod, 2 nos. canopies, shackle kit, safety rope, copper winding, Power Factor not less than 0.9, Service Value (CM/M/W) minimum 6.00, Air delivery minimum 210 Cum/Min , 350 RPM (tolerance as per IS : 374-2019), THD less than 10%, remote or electronic regulator unit for speed control and all remaining accessories including safety pin, nut bolts, washers, temperature rise=75 degree C (max.), insulation resistance more than 2 mega ohm, suitable for 230 V, 50 Hz, single phase AC	Each										6.00	6.00		



BSES Rajdhani Power Ltd.

S.No	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No.5	S.No.6	S.No.7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
	Supply, earthing etc. complete as required.														
38	Removing of fluorescent fitting from surface and re-Installation after testing and commissioning etc. complete ( The cost is inclusive of rewiring of the fittings if required, labour screws rawl plug but excluding the cost of fluorescent tube rod, Starters.	Each										20.00	20.00		
39	Dismantling / removing damaged / unservicable PVC insulated / fire resistant Aluminium / Copper conductor cables size upto 10 sqmm. from existing wooden battens / casing, capping / steel / PVC conduits or in mixture of all, including removal of wooden battens / casing, capping and disposal of the materials from the site, the cost of Aluminium / Copper so received is to be supplied in scrap store complete as per direction of Engineer-In-Charge.	LS										1.00	1.00		
40	Supplying and fixing 63 amps, TP, 10KA, 415 volts, MCB of approved make in the existing MCB DB complete with	Each										1.00	1.00		



BSES Rajdhani Power Ltd.

S.No	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No.5	S.No.6	S.No.7	S.No.8	S.No.9	S.No.10	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Qty			
	connections, testing and commissioning etc.														
<b>SUB-TOTAL : PART-B ELECTRICAL WORKS</b>															
<b>TOTAL : PART A + PART B</b>															
<b>ADD GST@18%</b>															
<b>TOTAL AMOUNT I/C GST @18%</b>															

**APPENDIX-IV**

**PACKAGE-4 : DETAILED BOQ**

Following is the list of Works in Package-4:

S.NO.	Name of Work
1	Retrofitting Work at HR & Audit Office West at C-1 Pankha Road, Janakpuri.
2	Retrofitting and Civil works of SSF at Road No-16, Near Adresh Bhawan, West Punjabi bagh, Div-PJB.
3	Retrofitting and Civil maintenance works of O&M office, Sub Station Building at H-Block, Vikaspuri. (D) VKP
4	Retrofitting and Civil works of SSF GH-13 Part-1, Paschim Vihar Div-NGL
5	Retrofitting and Civil works of SSF GH-13 Part-II, Opp. Flat no 326, Paschim Vihar Div-NGL
6	Retrofitting and repair works of S/stn building at 66kV Grid Bijwasan.
7	Retrofitting and Civil repair works at 66 KV Grid S/Stn. Palam



BSES Rajdhani Power Ltd.

Detailed BOQ is given below:

S.No.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No.5	S.No.6	S.No.7	TOTAL QTY	RATE	AMOUNT
			QTY	QTY	QTY	QTY	QTY	QTY	QTY			
<b>PART-A "CIVIL WORKS"</b>												
1	Earth work in excavation by mechanical means (hydraulic excavator)/ manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 Sqm on plan) including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil. as directed, within a lead of 50 m. All kinds of soil.	Cum	191.45					2.00	7.09	200.54		
2	Filling available excavated earth (excluding rock) in trenches plinth, sides of foundations etc. in layers not exceeding 20 cm in depth : consolidating Ea deposited layer by ramming and watering, lead upto 50 m and lift upto 1.5 m	Cum	172.30	33.36	15.72	40.36	40.36	1.60	5.67	309.37		
3	Supplying and filling in plinth with Jamuna sand under floors including, watering, ramming consolidating and dressing complete.	Cum	19.11	41.70		7.18	7.18			75.17		
4	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) derived from natural sources : 4 graded stone aggregate 20 mm nominal size derived from natural sources)	Cum	3.00		3.05					6.05		



S.No.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No.5	S.No.6	S.No.7	TOTAL QTY	RATE	AMOUNT
			QTY	QTY	QTY	QTY	QTY	QTY	QTY			
5	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	24.31	6.93	5.71	8.08	8.08	0.95	2.28	56.34		
6	Reinforced cement concrete work in beams, suspended floors, roofs having slope up to 15° landings, balconies, shelves, chajjas, lintels, bands, plain window sills, staircases and spiral stair cases above plinth level up to floor five level, excluding the cost of centering, shuttering, finishing and reinforcement with 1:1.5:3 (1 cement : 1.5 coarse sand(zone-III) derived from natural sources : 3 graded stone aggregate 20 mm nominal size derived from natural sources).	Cum	1.00		0.36			1.98	3.59	6.93		
7	Centring and shuttering including strutting, propping etc. and removal of form for: Suspended floors, roofs, landings, balconies and access platform	Sqm	789.84		4.44			6.00	24.69	824.97		
8	Centring and shuttering including strutting, propping etc. and removal of form for Lintels, beams, plinth beams, girders, bressumers and cantilevers.	Sqm	780.68		139.88			214.71	275.63	1,410.90		
9	Centring and shuttering including strutting, propping etc. and removal of form work for Columns, piers, abutments, pillars, posts and struts	Sqm	471.60	97.23	74.60	7.01	7.01		14.24	671.69		
10	Centring and shuttering including strutting, propping etc. and removal of form for : Stairs, (excluding landings) except spiral- staircases.	Sqm	15.00							15.00		

S.No.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No.5	S.No.6	S.No.7	TOTAL QTY	RATE	AMOUNT
			QTY	QTY	QTY	QTY	QTY	QTY	QTY			
11	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level. Cold twisted bars	Kg	10,644.37		50.00	42.00	42.00	835.50	1,843.00	13,456.87		
12	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	13.50	1.00	1.00	0.50	0.50	1.00	2.53	20.03		
13	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 1:4 (1 cement : 4 coarse sand)	Cum	68.50	0.50	1.00	0.50	0.50	5.24	9.01	85.25		
14	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 Engineerin- 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	25.00		2.00					27.00		
15	Structural steel work riveted, bolted or 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	50.00		433.20					483.20		
16	Providing and fixing bolts including nuts and washers complete.	Kg	205.50	136.65	644.56	354.92	354.92	150.87	150.87	1,998.29		

S.No.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No.5	S.No.6	S.No.7	TOTAL QTY	RATE	AMOUNT
			QTY	QTY	QTY	QTY	QTY	QTY	QTY			
17	Kota 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 (1cement : 4 coarse sand) : 25 mm thick	Sqm	100.00							100.00		
18	Kota stone slabs 20 mm thick in risers of steps, skirting, dado and pillars laid on 12mm (average) thick cement mortar 1:3 (1cement : 3coarse sand) and jointed with grey cement slurry mixed with pigment to match the shade of the slabs, including rubbing and polishing complete.	Sqm	50.00							50.00		
19	Providing and laying Ceramic glazed floor tiles of size 300x300 mm (thickness to be specified by the manufacturer) of 1st quality conforming to IS : 15622 of approved make in colours such as 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 pigment etc., complete.	Sqm	25.00		2.00					27.00		

S.No.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No.5	S.No.6	S.No.7	TOTAL QTY	RATE	AMOUNT
			QTY	QTY	QTY	QTY	QTY	QTY	QTY			
20	Providing and laying polished 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 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., complete. size of tile 600x600mm	Sqm	291.54		80.32	36.61	36.61		9.32	454.40		
21	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 20mm nominal size) over P.V.C. sheet 1mx 1mx400 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	10.00	4.00	4.00	6.00	6.00			30.00		
22	Providing and fixing on wall face unplasticised - Rigid PVC rain water pipes conforming to IS : 13592 Type A including jointing with seal ring conforming to IS : 5382 leaving 10 mm gap for thermal expansion. (i) Single socketed pipes: 110 mm diameter	Meter	8.50	9.70	22.80					41.00		

S.No.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No.5	S.No.6	S.No.7	TOTAL QTY	RATE	AMOUNT
			QTY	QTY	QTY	QTY	QTY	QTY	QTY			
23	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. Bend 87.5°-110 mm bend.	Each	2.00	4.00	12.00					18.00		
24	15 mm cement plaster on rough side of single or half brick wall of mix 1:4 (1 cement : 4 fine sand)	Sqm	591.75					135.00	20.64	747.39		
25	12 mm cement plaster of mix: 1:4 (1 cement : 4 coarse sand)	Sqm	591.75	58.34	214.48	81.68	81.68			1,027.93		
26	Distempering with oil bound washable distemper of approved brand and manufacture to give an even shade. New work (two or more coats) over and including water thinnable priming coat with cement primer.	Sqm	591.75	41.60	214.48	109.14	109.14	1,172.81	1,302.86	3,541.78		
27	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 @2.20Kg/10 Sqm).	Sqm	591.75	29.17	214.48	40.84	40.84	1,087.40	32.84	2,037.32		
28	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	591.75	207.08	428.96	216.19	216.19	922.16	1,004.78	3,587.11		

S.No.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No.5	S.No.6	S.No.7	TOTAL QTY	RATE	AMOUNT
			QTY	QTY	QTY	QTY	QTY	QTY	QTY			
29	Distemping with 1st quality acrylic distemper, 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.Two coats.	Sqm	700.13	764.53	585.65	876.74	876.74			3,803.79		
30	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade one or more coats on old work.	Sqm	100.00	380.93		380.93	380.93			1,242.79		
31	Finishing walls with Acrylic Smooth exterior paint of required shade: Old work (Two or more coats applied @ 1.67 ltr/ 10 Sqm) on existing cement paint surface.	Sqm	1,970.28	700.57	170.99	688.90	688.90	319.00	742.80	5,281.44		
32	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of engineer in charge. Nominal concrete: 1:3:6 or richer mix (i/c equivalent design mix)	Cum	41.83	6.93	6.10	12.10	12.10	0.95	1.36	81.37		
33	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.: In cement mortar.	Cum	81.55		2.00	0.50	0.50		3.97	88.52		
34	Dismantling stone slab flooring laid in cement mortar including stacking of serviceable material and disposal of unserviceable material within 50 metres lead.	Sqm	165.08	69.50	76.30	100.90	100.90			512.68		
35	Demolishing mud phaska in terracing and disposal of material within 50 metres lead	Cum	153.59	19.74	49.48	25.28	25.28	110.69	111.14	495.20		

S.No.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No.5	S.No.6	S.No.7	TOTAL QTY	RATE	AMOUNT
			QTY	QTY	QTY	QTY	QTY	QTY	QTY			
36	Dismantling roofing including ridges, hips valleys and gutters etc., and stacking the material within 50 metres lead of: G.S. Sheet.	Sqm	80.00		50.00					130.00		
37	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.	Sqm	200.80	97.23	214.48	136.14	136.14	1,043.43	995.36	2,823.58		
38	Providing and fixing water closet squatting pan (Indian type W.C. pan) with 100mm sand cast Iron P or S trap, 10 litre low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever) conforming to IS : 7231, with all fitting and fixtures complete, including cutting and making good the walls and floors wherever required: White Vitreous china Orissa pattern W.C. pan.of size 580x440 mm with integral type foot rests.	Each	1.00		1.00					2.00		
39	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer in Charge. Internal work - Exposed on wall : 20 mm nominal outer dia Pipes.	Meter	50.00		10.00					60.00		



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S.No.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No.5	S.No.6	S.No.7	TOTAL QTY	RATE	AMOUNT
			QTY	QTY	QTY	QTY	QTY	QTY	QTY			
40	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings This includes jointing of pipes & fittings with one step CPVC solvent cement, trenching, refilling & testing of joints complete as per direction of Engineer in Charge.  External work 25 mm nominal dia Pipes	Meter	20.00		10.00					30.00		
41	Providing and fixing gun metal gate valve with C.I. wheel of approved quality(screwed end): 25 mm NB.	Each	2.00		4.00					6.00		
42	Providing and placing on terrace (at all floor levels) polyethylene water storage tank, ISI : 12701 marked, indicating the BIS License No. with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank.	Per Litre	1,000.00		1,000.00			1,000.00	1,000.00	4,000.00		
43	Providing and fixing C.P. brass long body bib cock of approved quality conforming to IS standards and weighing not less than 690 gms: 15 mm nominal bore.	Each	2.00		2.00			2.00	2.00	8.00		
44	Providing and fixing C.P. brass angle valve for basin mixer and gyser points of approved quality conforming to IS:8931 a) 15 mm nominal bore : 15 mm nominal bore.	Each	5.00		2.00			5.00	5.00	17.00		



S.No.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No.5	S.No.6	S.No.7	TOTAL QTY	RATE	AMOUNT
			QTY	QTY	QTY	QTY	QTY	QTY	QTY			
45	Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/ appropriate Z sections and other sections of approved make conforming to IS:733 and IS:1285, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/ neoprene gasket etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing/panelling, C.P.brass/stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing, panelling and dash fasteners to be paid for separately): For Fixed portion. Anodised aluminium (anodised transparent or dyed to required shade according to IS: 1868, Minimum anodic coating of grade AC 15).	Kg	250.00							250.00		

S.No.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No.5	S.No.6	S.No.7	TOTAL QTY	RATE	AMOUNT
			QTY	QTY	QTY	QTY	QTY	QTY	QTY			
46	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 ie. at top, bottom and sides with required EDPM rubber/neoprene gasket etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing/panelling, C.P. brass/stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing panelling and dash fasteners to be paid for separately.)	Kg	100.00							100.00		
47	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 aluminium 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. Prelaminated particle board with decorative lamination on both sides.	Sqm	50.00						1.00	51.00		



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S.No.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No.5	S.No.6	S.No.7	TOTAL QTY	RATE	AMOUNT
			QTY	QTY	QTY	QTY	QTY	QTY	QTY			
48	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 mm thickness (weight not less than 12.50 kg/sqm)	Sqm	25.00						6.81	31.81		

S.No.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No.5	S.No.6	S.No.7	TOTAL QTY	RATE	AMOUNT
			QTY	QTY	QTY	QTY	QTY	QTY	QTY			
49	<p>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 25mm to 115mm size with 50% of cement mortar 1:5 (1cement : 5coarse 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 (1cement : 5coarse 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 (1cement : 5coarse 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 (1cement :4coarse 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.</p> <p>(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. With average thickness of 120 mm and minimum thickness at khurra as 65 mm</p>	Sqm	444.92	98.69	242.98	126.37	126.37	442.75	442.75	1,924.83		

S.No.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No.5	S.No.6	S.No.7	TOTAL QTY	RATE	AMOUNT
			QTY	QTY	QTY	QTY	QTY	QTY	QTY			
50	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 40mm dia. M.S. tube 1.5 m centre to centre horizontal & vertical tubes joining with cup & lock system with M.S. tubes, M.S. tube chalis, 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, connection 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 .The elevational area of the scaffolding shall be measured for payment purpose .The payment will be made once only for execution of all items for such works.	Sqm	2,226.38	196.46	191.32	140.12	140.12	70.00	70.00	3,034.40		
51	Providing and fixing hard drawn steel wire fabric of size 75 x25 mm mesh or other suitable size wire mesh to be fixed & firmly anchored to the concrete surface by means of "L" shaped mild steel shear key welded with existing reinforcement including the cost of materials, labour, tool & plants as approved by Engineer-in-charge.	Kg	842.24							842.24		

S.No.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No.5	S.No.6	S.No.7	TOTAL QTY	RATE	AMOUNT
			QTY	QTY	QTY	QTY	QTY	QTY	QTY			
52	Chipping of unsound/weak concrete material from slabs, beams, columns etc. with manual Chisel and/ or by standard power driven percussion type or of approved make including tapering of all edges, making square shoulders of cavities including cleaning the exposed concrete surface and reinforcement with wire brushes etc. and disposal of debris for all lead and lifts all complete as per direction of Engineer-In-Charge. - 50mm average thickness	Sqm	2,042.12	97.23	15.20	7.01	7.01	163.94	163.94	2,496.45		
53	Providing, mixing and applying bonding coat of approved adhesive on chipped portion of RCC as per specifications and direction of Engineer-In-charge complete in all respect. SBR Polymer (@10% of cement weight) modified cementitious bond coat @ 2.2 Kg cement per Sqm of surface area mixed with specified proportion of approved polymer.	Sqm	2,042.12	97.23	15.20	7.01	7.01	163.94	163.94	2,496.45		
54	Providing and injecting approved grout in proportion recommended by the manufacturer into cracks/honey-comb area of concrete/ masonry by suitable gun/pump at required pressure including cutting of nipples after curing etc. complete as per directions of Engineer-in-Charge.	Kg	943.28	13.20	63.00	121.35	121.35	1.41	1.41	1,265.00		

S.No.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No.5	S.No.6	S.No.7	TOTAL QTY	RATE	AMOUNT
			QTY	QTY	QTY	QTY	QTY	QTY	QTY			
55	Providing and inserting 12mm dia galvanised steel injection nipple in honey comb area and along crack line including drilling of holes of required diameter (20mm to 30mm) up to depth from 30mm to 80mm at required spacing and making the hole & crack dust free by blowing compressed air, sealing the distance between injection nipple with adhesive chemical of approved make and allow it to cure complete as per direction of Engineer-In-Charge.	Each	11,790.46	88.00	1,050.00	809.00	809.00	35.34	35.34	14,617.14		
56	Fixing of C.G.I. corrugated sheets roofing and fixing with polymer coated J, or L hooks, bolts and nuts 8mm dia. G.I. plain and bitumen washers complete excluding the cost of purlins, rafters and trusses: corrugated sheets. The old serviceable C.G.I Sheets to be provided by department fee of cost : Up to 60 degrees pitch.	Sqm	100.00		50.00					150.00		

S.No.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No.5	S.No.6	S.No.7	TOTAL QTY	RATE	AMOUNT
			QTY	QTY	QTY	QTY	QTY	QTY	QTY			
57	Repair of damaged RCC members like lintels, beams, columns, staircases, sunshades and slabs etc. which has broken and given away by dismantling of loose/unsound portion by chiselling, cleaning of surface with wire brushes and applying a thick coat of cement slurry and filling the cavities/notches and depression with cement mortar 1:2 (1cement : 2 coarse sand + screened stone aggregate upto 6mm nominal size) in one, two or even three operations after fixing of chicken wiremesh with the old reinforcement by binding wire or by nailing whichever is feasible. Incase, the thickness of mortar exceeds 8 cm (approx), another layer of chickenmesh shall be fixed over larger area in the same manner and final coat of similar cement mortar shall be applied. Work also includes making arrangement for scaffolding etc complete.	Sqm	60.00	10.00	20.00					90.00		
58	Dismantling and refixing steel work in single sections including dismembering and stacking within 50 metres lead in: Channels, angles, tees and flats.	Kg	300.00		40.00					340.00		
59	Supplying & placing 40mm thick one side fine dressed red sand stone over existing M.S angle frames of sunshades upto floor five level.	Sqm	50.00		5.40					55.40		



S.No.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No.5	S.No.6	S.No.7	TOTAL QTY	RATE	AMOUNT
			QTY	QTY	QTY	QTY	QTY	QTY	QTY			
60	P/F polythene cover for protection of wooden fixtures/ fittings and carpet etc. during the execution of work.	Sqm	50.00		50.00					100.00		
61	Removal of wooden modular fixtures/work station and all electrical fittings/fixtures by dismantling and there after refixing the same by using new screws/brackets as required at site complete after execution of the required work. The item includes the cost of storing the work station/fixtures and fittings in safe custody. providing new switch/socket if reured. For Normal Work stations up to 1.5 Mtrs Length including Chairs For Curvilinear length up to 3 Mtrs.	Each	25.00		7.00					32.00		
62	Drilling suitable holes in reinforced or plain cement concrete with power driven drill machine to a minimum depth of 100mm upto 200mm in RCC beams, lintels, columns and slabs to introduce steel bars for sunshades/balconies including fixing the steel bars in position using epoxy resin anchor grout of approved make but excluding the cost of reinforcement, all complete as per direction of Engineer-In-Charge. Upto and including 12mm dia.	Each	2,830.00	660.00	625.50	1,258.00	1,258.00	159.38	318.75	7,109.63		
63	Repairing of wooden door of size upto 0.9x2.10m	Each	10.00		5.00	2.00	2.00			19.00		
64	Providing and fixing stainless steel steel jali (grating) with or with- out hole for wash pipe for floor/nahani trap. 100mm dia (weight not less than 100gms).	Each	10.00		5.00	5.00	5.00			25.00		

S.No.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No.5	S.No.6	S.No.7	TOTAL QTY	RATE	AMOUNT
			QTY	QTY	QTY	QTY	QTY	QTY	QTY			
65	Dismantling of existing PVC Partition, PVC door shutters including cutting of hinges, dismembering of PVC panels cutting of height of the door shutter etc. Re-fixing of PVC panels, angles, beadings door shutter using the existing materials complete as required for new location as per the directions of Engineer-in-charge. The job is inclusive of the cost of new 1/4" steel screws, M.S. hinges etc.	Sqm	100.00		10.00					110.00		
66	Repairing of aluminium door shutter including dismantling, setting right the members and refixing the same in position for its soft and easy motion (The cost includes all labour, nuts, bolts & screws etc. but excluding the cost of floor springs, handles, locks complete.	Each	17.00							17.00		
67	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 disposal of excavated earth, lead upto 50 m and lift upto 1.5 m, disposed earth to be levelled and neatly dressed : All kinds of soil.	Cum		41.70	30.52	50.45	50.45			173.12		
68	Cement concrete flooring 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate) finished with a floating coat of neat cement including cement slurry, but excluding the cost of nosing of steps etc. complete. 40 mm thick with 20 mm nominal size stone aggregate	Sqm		69.50		64.29	64.29			198.08		
69	15 mm cement plaster on rough side of single or half brick wall of mix: 1:4 (1 cement : 4 coarse sand).	Sqm		41.60	214.48	109.14	109.14			474.36		



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S.No.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No.5	S.No.6	S.No.7	TOTAL QTY	RATE	AMOUNT
			QTY	QTY	QTY	QTY	QTY	QTY	QTY			
70	Wall painting with acrylic emulsion paint of approved brand and manufacture to give an even shade: Two or more coats on new work .	Sqm		70.77		149.98	149.98			370.73		
71	Repairs to plaster of thickness 12mm to 20mm in patches of area 2.5 sq. metres and under, including cutting the patch in proper shape, raking out joints and preparing and plastering the surface of the walls complete, including disposal of rubbish to the dumping ground, all complete as per direction of engineer in charge: With cement mortar 1:4 (1 cement : 4 fine sand)	Sqm		10.00		10.00	10.00			30.00		
72	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.	Cum		26.67	57.58	37.38	37.38			159.01		

S.No.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No.5	S.No.6	S.No.7	TOTAL QTY	RATE	AMOUNT
			QTY	QTY	QTY	QTY	QTY	QTY	QTY			
73	Providing, mixing and applying SBR polymer (of approved make) modified Cement mortar in proportion of 1:4 (1 cement: 4 graded coarse sand with polymer minimum 2% by wt. of cement used) as per specifications and directions of Engineer-in-charge. Note: Measurement and payment: The pre-measurement of thickness shall be done just after the surface preparation is completed and Payment under this item shall be made only after proper wet curing has been done and surface has been satisfactorily evaluated by sounding / tapping with a blunt metal instrument and/or the 75mm size cube crushing strength at the end of 28 days to be not less than 30 N/Sqmm2). 12 mm average thickness.	Sqm		97.23	64.34	202.91	202.91	214.71	265.47	1,047.57		
74	Providing and placing in position micro-concrete which shall be cement based pre packed single component chloride free non shrink free flow self compacting ready to use after mixing water in specified proportion obtained from approve manufacturer as per specification and direction of Engineer-in-charge. (Payment under this item shall be made only after proper wet curing has been done and surface has been satisfactorily evaluated by sounding / tapping with a blunt metal instrument) self flowing non shrink micro concrete, Grade as per drawing.	Cum	106.44	5.83	9.09	0.42	0.42	6.38	12.75	141.33		

S.No.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No.5	S.No.6	S.No.7	TOTAL QTY	RATE	AMOUNT
			QTY	QTY	QTY	QTY	QTY	QTY	QTY			
75	Clean the surface and remove any dust, unsound material, from reinforcement etc Roughen the surface and remove any laitance by light scrubbing. The concrete surfaces shall be thoroughly cleaned with wire brushes/cleaning brushes. Cleaning the existing reinforcement with wire brushes and cleaning burshes application of rust remover Rebakleen RR @ 0.25 Ltr/10Sqm. Application of Nitozinc rich Primer @ 5 Sqm/Ltr after 24 hrs.	Sqm	1,021.06	97.23	15.20	7.01	7.01	214.71	265.47	1,627.69		
76	Providing and fixing 3 mm dia (Gauge 10) stainless steel wire fabric mesh of grade SS 304 with spacing 25 mm x 25 mm in longitudinal and transverse direction to be fixed & firmly anchored to the surface of Brick masonry , stone masonry or concrete by means of stainless steel shear key or bolts including the cost of labour, tool & plants etc. complete as required for fixing as per direction of Engineer-in-charge. ( Drilling of holes & shear key or bolt shall be paid seperately.)	Sqm		97.23	150.90	141.65	141.65	214.71	265.47	1,011.61		
77	Providing and fixing carbon steel galvanised (minimum coating 5 micron) dash fasteners of 10 mm dia double threaded 6.8 grade (yield strength 480 N/ Sqmm), counter sunk head, comprising of 10 n dia polyamide PA 6grade sleeve, i/c drilling of hole in frame concrete/ masonry, etc as per direction of engineer in-charge. 10x 160 mm	Each			24.00					24.00		

S.No.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No.5	S.No.6	S.No.7	TOTAL QTY	RATE	AMOUNT
			QTY	QTY	QTY	QTY	QTY	QTY	QTY			
78	Renewing glass panes, with putty and nails wherever necessary including racking out the old putty: Float glass panes of thickness 4 mm (weight not less than 10Kg/Sqm)	Sqm			5.00					5.00		
79	Welding by gas or electric plant including transportation of plant at site etc. complete	Cm				1,500.00	1,500.00			3,000.00		
80	Introducing new reinforcement bars for structural connections in RCC beams, lintels, columns and slabs including power drilling holes of appropriate diameter in reinforced or plain cement concrete, fixing the reinforcement in position using FISV chemical.  Rebar 12mmxHole16mmxDepth 120mm.	Ea				60.00	60.00			120.00		
81	Introducing new reinforcement bars for structural connections in RCC beams, lintels, columns and slabs including power drilling holes of appropriate diameters in reinforced or plain cement concrete, fixing the reinforcement in position using FISV chemical. Rebar 16mmXhole20mmXDepth160mm	Ea				30.00	30.00			60.00		
82	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of engineer in charge. Nominal concrete : 1:4:8 or leaner mix (i/c equivalent design mix)	Cum						0.95	0.95	1.90		

S.No.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No.5	S.No.6	S.No.7	TOTAL QTY	RATE	AMOUNT
			QTY	QTY	QTY	QTY	QTY	QTY	QTY			
83	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 12 mm thick Hardcrete cement hardener consisting of mix 1:2 (1 cement hardener mix : 2 graded stone aggregate 6 mm nominal size) by volume with which 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						10.70	10.70	21.40		
84	Dismantling doors, windows and clerestory windows (steel or wood) shutter including chowkhats, architrave, holdfasts etc. complete and stacking within 50 metres lead: Of area 3 sq. metres and below	Ea						35.00	35.00	70.00		
85	Dismantling doors, windows and clerestory windows (steel or wood) shutter including chowkhats, architrave, holdfasts etc. complete and stacking within 50 metres lead: Of area beyond 3 sq. metres	Ea						6.00	6.00	12.00		
86	Removing mortar from bricks and cleaning bricks including stacking within a lead of 50 m. (stacks of cleaned bricks shall be measured): From brick work in cement mortar	Ea						3,099.32	4,104.42	7,203.74		
87	12 mm cement plaster of mix 1:4 (1 cement : 4 fine sand)	Sqm						616.76	130.53	747.29		
88	Removing dry or oil bound distemper water proofing cement paint and the like by scrapping, sand papering and preparing the surface smooth including necessary repairs to scratches etc.	Sqm						1,081.32	1,030.56	2,111.88		

S.No.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No.5	S.No.6	S.No.7	TOTAL QTY	RATE	AMOUNT
			QTY	QTY	QTY	QTY	QTY	QTY	QTY			
	complete.											
89	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade. Two or more coats on new work.	Sqm						189.67	189.67	379.34		
90	Structural steel work in single section fixed with or without connecting plate including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete.	KG						46.00	46.00	92.00		
91	Providing sand stone slab for roofing and laying them in cement mortar 1 : 4 (1 cement : 4 coarse sand) over wooden karries or R.C.C. battens or structural steel sections (Karries or battens or structural steel sections to be paid separately), including pointing the ceiling joints with cement mortar 1:3 (1 cement : 3 fine sand ) complete : Red sand stone slab 40 to 50 mm thick	Sqm						3.75	3.75	7.50		
92	Dismantling broken W.C. pot/urinal/Wash basin including dismantling flooring, disconnecting G.I. inlet connection, flush pipe, traps etc. and disposal of rubbish to M.C.D. dumping ground complete.	Ea						3.00	3.00	6.00		
93	Providing & fixing White vitreous china water closet squatting pan (Indian type) along with "S" or "P" trap including dismantling of old WC seat and "S" or "P" trap at site complete with all operations including all necessary materials, labour & disposal of dismantled material i/c malba, all complete as per the direction of Engineer-in charge. Orissa pattern W.C Pan of size 580x440 mm	ea						1.00	1.00	2.00		



S.No.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No.5	S.No.6	S.No.7	TOTAL QTY	RATE	AMOUNT
			QTY	QTY	QTY	QTY	QTY	QTY	QTY			
94	Providing and fixing white vitreous china flat back or wall corner type lipped front urinal basin of 430x260x350 mm and 340x410x265 mm sizes respectively with automatic flushing cistern with standard flush pipe and C.P. brass spreaders with brass unions and GI clamps complete, including painting of fittings and brackets, cutting and making good the walls and floors wherever required: Range of two urinal basins with 5 litre white P.V.C. automatic flushing cistern	Ea						1.00	1.00	2.00		
95	Providing and fixing wash basin with C.I. brackets, 15 mm C.P. brass pillar taps, 32 mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever require : white vitreous china wash basin size 630x450 mm with single 15 mm C.P. brass pillar tap	Ea						1.00	1.00	2.00		
96	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer in Charge. Internal work - Exposed on wall : 15 mm nominal outer dia Pipes	M						20.00	20.00	40.00		

S.No.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No.5	S.No.6	S.No.7	TOTAL QTY	RATE	AMOUNT
			QTY	QTY	QTY	QTY	QTY	QTY	QTY			
97	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer in Charge. Internal work - Exposed on wall : 25 mm nominal outer dia Pipes.	M						55.00	55.00	110.00		
98	Providing and fixing uplasticised PVC connection pipe with brass unions: 45 cm length, 15 mm NB	Ea						3.00	3.00	6.00		
99	Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete. flexible pipe 32 mm dia.	Ea						3.00	3.00	6.00		
100	P/F of CP jalli of appd design and shape: 100 mm dia.	Ea						5.00	5.00	10.00		
101	Providing and fixing C.P. brass bib cock of approved quality conforming to IS: 8931: 15 mm nominal bore.	EA						6.00	6.00	12.00		
102	Providing and fixing C.P. brass stop cock (concealed) of standard design and of approved make conforming to IS:8931: 15 mm nominal bore.	EA						2.00	2.00	4.00		
103	Providing and Fixing 600x450mm bevelled edge mirror of superior glass (of approved quality) complete with 6 mm thick hard board ground fixed to wooden cleats with cp brass screws and washers etc complete.	SQM						0.45	0.90	1.35		

S.No.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No.5	S.No.6	S.No.7	TOTAL QTY	RATE	AMOUNT
			QTY	QTY	QTY	QTY	QTY	QTY	QTY			
104	Trimming of any no. of branches of any size of any type of tree overhanging on building / terrace so as to keep them away from building by at least 2.00 mtr at the time of trimming in such a way that they do not fall on the bldg, terrace, GI/ACC shed, live transformer, electric/telephone wire by any means Use axe, saw, ropes etc. as per site conditions. The trimmed material to be disposed to the MCD bin by any means. Nothing shall be allowed to be burnt or flamed.	Ea						3.00	3.00	6.00		
105	Dismantling of PVC flooring of area up to 100 sqm by scraping/streching/cutting with necessary tools includig disposal of rubbish upto 50 m lead.	LS						1.00	1.00	2.00		
106	Providing and applying of approved make self-leveling epoxy coating at your plant with Specification as follows:  <ul style="list-style-type: none"> <li>• Scraping the complete area with the help of mechanical means or suitable method and grinding the floor with the help of floor grinding machine (dry grinding) to remove all dirt debris and loosely bonded epoxy coating .</li> <li>• Application of Primer @ 200gm/sqm on the treated surface</li> <li>• Application of screed 2mm @ 2.5kg/sqm.</li> <li>• Final coat of Self leveling 2mm @2.5kg/sqm to attain the desired finish</li> </ul>	Sqm						108.30	108.30	216.60		

S.No.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No.5	S.No.6	S.No.7	TOTAL QTY	RATE	AMOUNT
			QTY	QTY	QTY	QTY	QTY	QTY	QTY			
107	Providiing & applying demarkation line up to 10 cm width of approved colour with epoxy paint all complete as per direction of engineer incharge.	M						40.00	40.00	80.00		
108	Making the opening in brick masonry including dismantling in floor or wall by cutting masonry making good the damages to walls, flooring and jambs complete to match the existing surface including disposal of malba/rubbish to the nearest municipal dumping ground. For door/window/celerstory window	Ea						8.00	8.00	16.00		
109	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) : For fixed portion Powder coated aluminium (minimum thickness of powder coating 50 micron)	KG						176.72	215.75	392.47		

S.No.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No.5	S.No.6	S.No.7	TOTAL QTY	RATE	AMOUNT
			QTY	QTY	QTY	QTY	QTY	QTY	QTY			
110	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) : 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).	KG						215.10	247.36	462.46		

S.No.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No.5	S.No.6	S.No.7	TOTAL QTY	RATE	AMOUNT
			QTY	QTY	QTY	QTY	QTY	QTY	QTY			
111	Providing and fixing Curtain Glazing using Double Glazed Unit which shall be hermetically insulated (6mm thick heat reflective, toughened, hard coated colour glass on outside and 6 mm thick clear toughened glass on inside with 12 mm air gap fixed using aluminium extruded sections). The framing system shall use aluminum of grade 63400 WP IS: 733 and ID: 1285, pure polyester powder coated, 65microns in approved colour and shade fixed through adequately designed MS galvanized / aluminium anchor brackets. Work shall include designing, shop drawing, structural calculations based on thermal movement, air filtration, water penetration, seismic movement and structural movement as per standard procedure. The whole work to be done as per architectural elevation drawing i/c required aluminium sub-frame. Structural grade silicone filling with masonry / RCC work, all height i/c double height, for straight / curve etc. complete.	Sqm						33.44	33.44	66.88		
112	Providing and fixing aluminium casement windows fastener of required length for aluminium windows with necessary screws etc. complete. Powder coated minimum thickness 50 micron aluminium	Nos						9.00	9.00	18.00		

S.No.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No.5	S.No.6	S.No.7	TOTAL QTY	RATE	AMOUNT
			QTY	QTY	QTY	QTY	QTY	QTY	QTY			
113	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.	EA						10.00	10.00	20.00		
114	Providing and fixing aluminium sliding door bolts ISI marked anodised (anodic coating not less than grade AC 10 as per IS:1868) transparent or dyed to required colour and shade with nuts and screws etc. complete: 300x16 mm	EA						20.00	20.00	40.00		
115	Providing and fixing aluminium tower bolts ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade with necessary screws etc. complete: 200x10 mm	EA						9.00	9.00	18.00		
116	Providing and fixing aluminium handles ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade with necessary screws etc. complete: 125 mm	EA						29.00	29.00	58.00		
117	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. Twin rubber stopper	EA						10.00	10.00	20.00		

S.No.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No.5	S.No.6	S.No.7	TOTAL QTY	RATE	AMOUNT
			QTY	QTY	QTY	QTY	QTY	QTY	QTY			
118	Washed stone grit plaster on exterior walls height upto 10 Meter. above ground level, in two layers, under layer 12 mm cement plaster 1:4 (1 cement : 4 coarse sand), furrowing the under layer with scratching tool, applying cement slurry on the under layer @ 2 Kg of cement per square metre, top layer 15mm cement plaster 1:1/2:2 (1 cement : 1/2 coarse sand : 2 stone chipping 10mm nominal size) in panels with groove all around as per approved pattern including scrubbing and washing. the top layer with brushes and water to expose the stone chippings, complete as per specification and direction of Engineer-In-Charge (Payment for providing grooves shall be made separately)	Sqm						441.17	441.17	882.34		
119	Forming groove of uniform size in the top layer of washed stone grit plaster as per approved pattern using wooden battens, nailed to the under layer including removal of wooden battens, repair to the edges of panels and finishing the groove complete as per specification and direction of the Engineer-In-Charge. 15 mm wide and 15 mm deep groove	Mtr						447.34	447.34	894.68		
120	Extra for using white cement in place of ordinary cement in the top layer of the item of washed stone grit plaster	Sqm						73.17	73.17	146.34		



S.No.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No.5	S.No.6	S.No.7	TOTAL QTY	RATE	AMOUNT
			QTY	QTY	QTY	QTY	QTY	QTY	QTY			
121	Extra for using marble chips of size 7 to 10 mm nominal size in place of stone chipping 10 mm nominal size in Washed stone grit plaster on exterior walls	Sqm						73.17	73.17	146.34		
122	Providing and fixing concertina coil fencing with punched tape concertina coil 600 mm dia 10 metre openable length (total length 90 m), having 50 nos rounds per 6 metre length, upto 3 m height of wall with existing angle iron 'Y' shaped placed 2.4 m or 3.00 m apart and with 9 horizontal R.B.T. reinforced barbed wire, stud tied with G.I. staples and G.I. clips to retain horizontal, including necessary bolts or G.I. barbed wire tied to angle iron, all complete as per direction of Engineer-in-charge, with reinforced barbed tape (R.B.T.) / Spring core (2.5mm thick) wire of high tensile strength of 165 Kg/ sq.mm with tape (0.52 mm thick) and weight 43.478 gm/ metre (cost of M.S. angle, C.C. blocks shall be paid separately).	Mtr						193.00	193.00	386.00		
123	Dismantling tile work in floors and roofs laid in cement mortar including stacking material within 50 metres lead: For thickness of tiles 10 mm to 25 mm	Sqm						7.50	7.50	15.00		

S.No.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No.5	S.No.6	S.No.7	TOTAL QTY	RATE	AMOUNT
			QTY	QTY	QTY	QTY	QTY	QTY	QTY			
124	Providing and Fixing C-Vigo Light ceramic glazed wall tiles of size 300x450 of approved make, shades 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 . Kajaria Make C-VIGO LIGHT HSN CODE 69072100	Sqm						20.58	21.88	42.46		
125	Providing and laying C-Vigo floor tiles of size 300x300 mm of approved make and colors, 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 pigment etc., ( Kajaria make HSN Code 69072100)complete	Sqm						7.50	12.75	20.25		
126	Providing and fixing 18 mm thick gang saw cut mirror polished pre-moulded and prepolished, machine cut for kitchen paltforms, vanity counters window sills, facias and similar locations of required size of 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. Raj nagar plain white marble/Udaipur green marble/Zebra black marble. Area of slab over 0.5 Sqm	Sqm						2.52	7.76	10.28		

S.No.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No.5	S.No.6	S.No.7	TOTAL QTY	RATE	AMOUNT
			QTY	QTY	QTY	QTY	QTY	QTY	QTY			
127	Providing and fixing ISI marked Fire Escape door shutters with frame of Powder coated GI sheet. Each door leaf with 4 hinges (Make- Dauerhaft/ Hafele/ Equivalent), 1 no.of fire rated Door closure (make- Dauerhaft/ Hafele/ Equivalent), 1 no. of external trim (make- Dauerhaft/ Hafele/ Equivalent), 1 Fire Rated Wired Glass(200x300mm), (Make-Pilkington/ equivalent), 1 no. Three Point Panic Bar (Make-Dauerhaft / Hafele/ equivalent) with necessary screws. Cost includes Supply and installation of door. Cost of making opening for door with allied activities viz. dismantling work, concrete work, brick work, plastering, painting, tile work, false ceiling work, electrical and furniture dismantling and refixing etc which will be paid separately.	Sqm						12.24	12.24	24.48		
128	Disposal of moorum/building rubbish/ malba/ similar unserviceable, dismantled or waste material by mechanical transport including loading, transporting, unloading to approved municipal dumping ground for lead upto 10 km for all lifts, complete as per directions of Engineer-in-charge. Note - item to be applicable in urban areas having directions for restricted hours for movement/ plying of load carrying motor vehicle of 3.5 cum or more.	CUM						25.00	25.00	50.00		

S.No.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No.5	S.No.6	S.No.7	TOTAL QTY	RATE	AMOUNT
			QTY	QTY	QTY	QTY	QTY	QTY	QTY			
129	Half brick masonry with common burnt clay F.P.S (non modular) bricks of class designation 7.5 in superstructure above plinth level upto floor V level in cement mortar 1:4 (1 cement : 4 coarse sand)	Sqm							15.76	15.76		
130	Providing and laying in position specified grade of reinforced cement concrete, excluding the cost of centering, shuttering, finishing and reinforcement - All work up to plinth level : 1:1.5:3 (1 cement : 1.5 coarse sand (zone-III) derived from natural sources : 3 graded stone aggregate 20 mm nominal size derived from natural sources)	Cum							1.50	1.50		
131	Providing and laying cement concrete in retaining walls, return walls, walls (any thickness) including attached pilasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window sills, fillets, sunken floor etc., up to floor five level, excluding the cost of centering, shuttering and finishing : 1:1½:3 (1 cement : 1½ coarse sand (zone-III) derived from natural sources : 3 graded stone aggregate 20 mm nominal size) from natural sources	Cum							0.59	0.59		

S.No.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No.5	S.No.6	S.No.7	TOTAL QTY	RATE	AMOUNT
			QTY	QTY	QTY	QTY	QTY	QTY	QTY			
132	Providing and laying cement concrete in retaining walls, return walls, walls (any thickness) including attached pilasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window sills, fillets, sunken floor etc. upto floor five level, excluding the cost of centring, shuttering and finishing : 1:2:4 (1 Cement : 2 coarse sand (zone-III) derived from natural sources : 4 graded stone aggregate 20 mm nominal size derived from natural sources)	Cum							0.12	0.12		
133	Cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 40 mm nominal size) in pavements, laid to required slope and chamber in panels as required including consolidation finishing and tamping complete.	Cum							1.86	1.86		
134	Centring and shuttering including strutting, propping etc. and removal of form work for : Foundations, footings, bases of columns. For mass concrete	Sqm							4.27	4.27		
135	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							70.20	70.20		



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S.No.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No.5	S.No.6	S.No.7	TOTAL QTY	RATE	AMOUNT
			QTY	QTY	QTY	QTY	QTY	QTY	QTY			
136	6mm cement plaster to ceiling of mix: 1:3 (1 cement : 3 fine sand).	Sqm							17.70	17.70		
137	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.	Mtr							7.20	7.20		
<b>SUB-TOTAL : PART-A CIVIL WORKS</b>												
<b>PART-B "ELECTRICAL WORKS"</b>												
1	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 A	Point	20.00		5.00						25.00	
2	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 B	Point	20.00		6.00			15.00	20.00	61.00		
3	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 amps modular socket outlet and 5/6 amps modular switch, connection etc. as required.	Each	15.00		5.00			8.00	10.00	38.00		

S.No.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No.5	S.No.6	S.No.7	TOTAL QTY	RATE	AMOUNT
			QTY	QTY	QTY	QTY	QTY	QTY	QTY			
4	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 amps modular socket outlet and 15/16 amps modular switch, connection etc. as required.	Each	13.00		3.00			10.00	15.00	41.00		
5	Supplying and fixing 5 A to 32 A rating, 240/415 volts 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-Single Pole	Each	25.00		5.00			18.00	18.00	66.00		
6	Supplying and fixing following rating, Four pole, 415 volts, MCB in the existing MCB DB complete with connection, testing and commissioning etc. as required 63 amps	Each	2.00		1.00			1.00		4.00		
7	Supplying and fixing following rating, Four pole, 415 volts, MCB in the existing MCB DB complete with connection, testing and commissioning etc. as required 100 amps	Each	2.00		1.00					3.00		
8	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.2 X 2.5 sq. mm + 1 X 2.5 sq. mm earth wire	Metre	25.00		20.00			160.00	140.00	345.00		
9	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.2 X 4 sq. mm + 1 X 4 sq. mm earth wire	Metre	30.00		10.00			100.00	125.00	265.00		

S.No.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No.5	S.No.6	S.No.7	TOTAL QTY	RATE	AMOUNT
			QTY	QTY	QTY	QTY	QTY	QTY	QTY			
10	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.2 X 10 sq. mm + 1 X 6 sq. mm earth wire	Metre	25.00					20.00	20.00	65.00		
11	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.2 X 16 sq. mm + 1 X 6 sq. mm earth wire	Metre	25.00							25.00		
12	Supplying and fixing following rating, four pole, (three phase and neutral), 415 volts, residual current circuit breaker (RCCB), having a sensitivity current upto 300 milliampere in the existing MCB DB complete with connections, testing and commissioning etc. as required. 63Amps	Each	2.00		1.00			1.00	1.00	5.00		
13	P/F/T/C of PHILIPS make Stellar Bright LED Tube Light 20 W with Batten complete job.	Each	30.00		10.00			40.00	50.00	130.00		
14	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	Point						30.00	30.00	60.00		



S.No.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No.5	S.No.6	S.No.7	TOTAL QTY	RATE	AMOUNT
			QTY	QTY	QTY	QTY	QTY	QTY	QTY			
15	Providing and fixing, Testing & commissioning of 450mm dia heavy duty Exhaust Fan with louver of approved make.(crompton greaves)	Ea						6.00	6.00	12.00		
16	Providing and fixing ceiling fan 48" of crompton make with five stage Electronic fan regulator of anchor make.	Each						6.00	6.00	12.00		
17	Providing and fixing Exhaust Fan of size 12" of crompton approved make.	Ea						2.00	4.00	6.00		
18	Supplying and fixing following way, horizontal type three pole and neutral, sheet steel, MCB distribution board, 415 volts, 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). 6 (4+18) way Double door.	Each						1.00	1.00	2.00		
19	Providing and fixing following rating and breaking capacity and pole MCCB with thermomagnetic release and terminal spreaders in existing cubicle panel board including drilling holes in cubicle panel, making connections, etc. as required. 125 A,36 KA FP MCCB.	Each						1.00	1.00	2.00		
20	Supplying and fixing 20 amps, 240 volts, SPN industrial type, socket outlet, with 2 pole and earth, metal enclosed plug top along with 20 amps C' curve, SP, MCB, in sheet steel enclosure, on surface. or in recess, with chained metal cover for the socket out let and complete with connections, testing and commissioning etc. as required.	Each						1.00	1.00	2.00		



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S.No.	Description of Items	Unit	S.No.1	S.No.2	S.No.3	S.No.4	S.No.5	S.No.6	S.No.7	TOTAL QTY	RATE	AMOUNT
			QTY	QTY	QTY	QTY	QTY	QTY	QTY			
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. 25mm	Metre						30.00	40.00	70.00		
22	Providing, Fixing, Testing & Commissioning Of 3 nos. 6A 5pin socket and 1 no.6A switch in 5 module plate for the various raw power / computer requirements.(with Ms Box)MAKE - MK OR EQUIVALENT	Each						2.00	2.00	4.00		
23	P/f of M.S Box 4" / 3" for 3/4 Module plate	Each						2.00	2.00	4.00		
<b>SUB-TOTAL : PART-B ELECTRICAL WORKS</b>												
<b>TOTAL : PART A + PART B</b>												
<b>ADD GST@18%</b>												
<b>TOTAL AMOUNT I/C GST @18%</b>												

**APPENDIX-V****PACKAGE-5 : DETAILED BOQ****Following is the list of works in Package-5:**

S.NO.	Name of Work
1	Retrofitting and Repair works at 33kv grid S/stn Bhikajikama Place.
2	Retrofitting and Repair works at 66 KV Grid Sub Station Malviya Nagar.
3	Providing Retrofitting measures at 33KV Grid S/stn Bldg NEAR VSNL

**Detailed BOQ is given below:**

S. No	Description of item	Unit	S.No.1	S.No.2	S.No.3	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty			
1	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of engineer in charge. Nominal concrete: 1:3:6 or richer mix (i/c equivalent design mix)	Cum	23.53	0.47		24.00		
2	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of engineer in charge. Nominal concrete : 1:4:8 or leaner mix (i/c equivalent design mix)	Cum	23.53		0.45	23.98		

S. No	Description of item	Unit	S.No.1	S.No.2	S.No.3	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty			
3	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.: In cement mortar	Cum	20.40		78.68	99.08		
4	Dismantling doors, windows and clerestory windows (steel or wood) shutter including chowkhats, architrave, holdfasts etc. complete and stacking within 50 metres lead: Of area 3 sq. metres and below	Ea	28.00	34.00	8.00	70.00		
5	Dismantling doors, windows and clerestory windows (steel or wood) shutter including chowkhats, architrave, holdfasts etc. complete and stacking within 50 metres lead: Of area beyond 3 sq. metres	Ea	2.00	3.00		5.00		
6	Earth work in excavation by mechanical means (hydraulic excavator)/ manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 Sqm on plan) including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil. as directed, within a lead of 50 m. All kinds of soil.	Cum	133.81	2.00		135.81		
7	Filling available excavated earth (excluding rock) in trenches plinth, sides of foundations etc. in layers not exceeding 20 cm in depth : consolidating Ea deposited layer by ramming and watering, lead upto 50 m and lift upto 1.5 m	Cum	133.81	1.60	35.71	171.12		
8	Supplying and filling in plinth with Jamuna sand under floors including, watering, ramming consolidating and dressing complete.	Cum	9.13			9.13		
9	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	5.24	5.00	20.63	30.87		
10	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 1:4 (1 cement : 4 coarse sand)	Cum	15.16	8.42	158.23	181.81		

S. No	Description of item	Unit	S.No.1	S.No.2	S.No.3	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty			
11	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	21.01	1.00	2.86	24.87		
12	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) derived from natural sources : 4 graded stone aggregate 20 mm nominal size derived from natural sources)	CUM	1.00	1.00	16.21	18.21		
13	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 12 mm thick Hardcrete cement hardener consisting of mix 1:2 (1 cement hardener mix : 2 graded stone aggregate 6 mm nominal size) by volume with which 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	129.50	9.41		138.91		
14	Providing and fixing bolts including nuts and washers complete	Kg	150.72	1,947.84	364.00	2,462.56		

S. No	Description of item	Unit	S.No.1	S.No.2	S.No.3	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty			
15	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 40mm dia. M.S. tube 1.5 m centre to centre horizontal & vertical tubes joining 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, connection 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 .The elevational area of the scaffolding shall be measured for payment purpose .The payment will be made once only for execution of all items for such works.	Sqm	602.56	191.25	416.00	1,209.81		
16	Chipping of unsound/weak concrete material from slabs, beams, columns etc. with manual Chisel and/ or by standard power driven percussion type or of approved make including tapering of all edges, making square shoulders of cavities including cleaning the exposed concrete surface and reinforcement with wire brushes etc. and disposal of debris for all lead and lifts all complete as per direction of Engineer-In-Charge. - 50mm average thickness	Sqm	529.16	262.36	285.80	1,077.32		
17	Providing, mixing and applying bonding coat of approved adhesive on chipped portion of RCC as per specifications and direction of Engineer-In-charge complete in all respect. SBR Polymer (@10% of cement weight) modified cementitious bond coat @ 2.2 Kg cement per Sqm of surface area mixed with specified proportion of approved polymer	Sqm	529.16	262.36	222.09	1,013.61		

S. No	Description of item	Unit	S.No.1	S.No.2	S.No.3	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty			
18	Providing, mixing and applying SBR polymer (of approved make) modified Cement mortar in proportion of 1:4 (1 cement: 4 graded coarse sand with polymer minimum 2% by wt. of cement used) as per specifications and directions of Engineer-in-charge. Note: Measurement and payment: The pre-measurement of thickness shall be done just after the surface preparation is completed and Payment under this item shall be made only after proper wet curing has been done and surface has been satisfactorily evaluated by sounding / tapping with a blunt metal instrument and/or the 75mm size cube crushing strength at the end of 28 days to be not less than 30 N/Sqmm2). 12 mm average thickness.	Sqm	77.62	776.83	222.09	1,076.54		
19	Providing and inserting 12mm dia galvanised steel injection nipple in honey comb area and along crack line including drilling of holes of required diametre (20mm to 30mm) up to depth from 30mm to 80mm at required spacing and making the hole & crack dust free by blowing compressed air, sealing the distance between injection nipple with adhesive chemical of approved make and allow it to cure complete as per direction of Engineer-In-Charge.	Ea	2,835.01	4,064.82		6,899.83		
20	Providing and injecting approved grout in proportion recommended by the manufacturer into cracks/honey-comb area of concrete/masonry by suitable gun/pump at required pressure including cutting of nipples after curing etc. complete as per directions of Engineer-in-Charge.	Kg	113.40	162.59		275.99		
21	Providing and fixing 3 mm dia (Gauge 10) stainless steel wire fabric mesh of grade SS 304 with spacing 25 mm x 25 mm in longitudinal and transverse direction to be fixed & firmly anchored to the surface of Brick masonry , stone masonry or concrete by means of stainless steel shear key or bolts including the cost of labour, tool & plants etc. complete as required for fixing as per direction of Engineer-in-charge. ( Drilling of holes & shear key or bolt shall be paid seperately.)	Sqm	58.22	826.60	92.58	977.40		

S. No	Description of item	Unit	S.No.1	S.No.2	S.No.3	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty			
22	Drilling suitable holes in reinforced or plain cement concrete with power driven drill machine to a minimum depth of 100mm upto 200mm in RCC beams, lintels, columns and slabs to introduce steel bars for sunshades /balconies including fixing the steel bars in position using epoxy resin anchor grout of approved make but excluding the cost of reinforcement, all complete as per direction of Engineer-In-Charge. Upto and including 12mm dia.	Each	314.00	3,184.00	400.00	3,898.00		
23	Clean the surface and remove any dust, unsound material, from reinforcement etc Roughen the surface and remove any laitance by light scrubbing. The concrete surfaces shall be thoroughly cleaned with wire brushes/cleaning brushes. Cleaning the existing reinforcement with wire brushes and cleaning burshes application of rust remover Rebakleen RR @ 0.25 Ltr/10sqm. Application of Nitozinc rich Primer @ 5 Sqm/Ltr after 24 hrs.	Sqm	529.16	262.36	285.80	1,077.32		
24	Providing and placing in position micro-concrete which shall be cement based pre packed single component chloride free non shrink free flow self compacting ready to use after mixing water in specified proportion obtained from approve manufacturer as per specification and direction of Engineer-in-charge. (Payment under this item shall be made only after proper wet curing has been done and surface has been satisfactorily evaluated by sounding / tapping with a blunt metal instrument) self flowing non shrink micro concrete, Grade as per drawing.	Cum	63.00	26.24	3.81	93.05		
25	Centring and shuttering including strutting, propping etc. and removal of form for Lintels, beams, plinth beams, girders, bressumers and cantilevers.	Sqm	341.96	262.36		604.32		
26	Centring and shuttering including strutting, propping etc. and removal of form work for Columns, piers, abutments, pillars, posts and struts	SQM	187.20		438.69	625.89		



S. No	Description of item	Unit	S.No.1	S.No.2	S.No.3	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty			
27	Centring and shuttering including strutting, propping etc. and removal of form for: Suspended floors, roofs, landings, balconies and access platform	SQM	100.80		487.09	587.89		
28	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	6,300.00	3,148.80		9,448.80		
29	Demolishing mud phaska in terracing and disposal of material within 50 metres lead	Cum	54.00	137.70	196.46	388.16		
30	Removing mortar from bricks and cleaning bricks including stacking within a lead of 50 m. (stacks of cleaned bricks shall be measured): From brick work in cement mortar	Ea	1,512.00	3,855.60		5,367.60		

S. No	Description of item	Unit	S.No.1	S.No.2	S.No.3	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty			
31	<p>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 : With average thickness of 120 mm and minimum thickness at khurra as 65 mm.</p>	Sqm	216.02	550.79	982.31	1,749.12		

S. No	Description of item	Unit	S.No.1	S.No.2	S.No.3	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty			
32	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 20mm nominal size) over P.V.C. sheet 1mx 1mx400 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.	Ea	7.00	8.00	7.00	22.00		
33	Providing and fixing 60 cm long PVC rain water spout in proper line and level in cement mortar 1:4 (1 cement : 4 fine sand) in the existing khurra level, dismantling wall/ pipe and making hole of required size for fixing of pipe, filling CC 1:3:6 (1cement :3 coarse sand : 6 graded stone aggregate 20mm nominal size) between wall and pipe, plastering both sides of walls with cement mortar 1:4 (1 cement :4 fine sand)and making the pipe joint leak proof. (PVC pipe should be of Prakash or equivalent make) 150 mm dia.	Ea	7.00	8.00		15.00		
34	Pointing on stone work with cement mortar 1:3 (1 cement : 3 fine sand) : Flush/ Ruled pointing	Sqm	102.80			102.80		
35	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.	Sqm	670.07	1,208.26	247.90	2,126.23		
36	12 mm cement plaster of mix: 1:4 (1 cement : 4 coarse sand)	Sqm	105.40	297.07	789.84	1,192.31		
37	15 mm cement plaster on rough side of single or half brick wall of mix 1:4 (1 cement : 4 fine sand)	Sqm	70.27	35.02		105.29		
38	Removing dry or oil bound distemper water proofing cement paint and the like by scrapping, sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete.	Sqm	1,176.73	785.22		1,961.95		
39	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	1,352.40	1,117.31	3,600.48	6,070.19		

S. No	Description of item	Unit	S.No.1	S.No.2	S.No.3	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty			
40	Distempering with oil bound washable distemper of approved brand and manufacture to give an even shade. New work (two or more coats) over and including water thinnable priming coat with cement primer	SQM	1,299.70	1,197.75	2,748.15	5,245.60		
41	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 @2.20Kg/10 Sqm).	Sqm	379.54	313.12	3,252.65	3,945.31		
42	Washed stone grit plaster on exterior walls height upto 10 Meter. above ground level, in two layers, under layer 12 mm cement plaster 1:4 (1 cement : 4 coarse sand), furrowing the under layer with scratching tool, applying cement slurry on the under layer @ 2 Kg of cement per square metre, top layer 15mm cement plaster 1:1/2:2 (1 cement : 1/2 coarse sand : 2 stone chipping 10mm nominal size) in panels with groove all around as per approved pattern including scrubbing and washing. the top layer with brushes and water to expose the stone chippings, complete as per specification and direction of Engineer-In-Charge (Payment for providing grooves shall be made separately)	Sqm	670.07	563.57		1,233.64		
43	Forming groove of uniform size in the top layer of washed stone grit plaster as per approved pattern using wooden battens, nailed to the under layer including removal of wooden battens, repair to the edges of panels and finishing the groove complete as per specification and direction of the Engineer-In-Charge. 15 mm wide and 15 mm deep groove	Mtr	1,675.18	791.96		2,467.14		
44	Extra for using white cement in place of ordinary cement in the top layer of the item of washed stone grit plaster	Sqm	286.71	72.18		358.89		
45	Extra for using marble chips of size 7 to 10 mm nominal size in place of stone chipping 10 mm nominal size in Washed stone grit plaster on exterior walls	Sqm	286.71	72.18		358.89		
46	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade one or more coats on old work.	SQM	149.31	680.09		829.40		

S. No	Description of item	Unit	S.No.1	S.No.2	S.No.3	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty			
47	Providing and fixing ISI marked Fire Escape door shutters with frame of Powder coated GI sheet. Each door leaf with 4 hinges (Make- Dauerhaft/ Hafele/ Equivalent), 1 no.of fire rated Door closure (make- Dauerhaft/ Hafele/ Equivalent), 1 no. of external trim (make- Dauerhaft/ Hafele/ Equivalent), 1 Fire Rated Wired Glass(200x300mm), (Make-Pilkington/ equivalent), 1 no. Three Point Panic Bar (Make-Dauerhaft / Hafele/ equivalent) with necessary screws. Cost includes Supply and installation of door. Cost of making opening for door with allied activities viz. dismantling work, concrete work, brick work, plastering, painting, tile work, false ceiling work, electrical and furniture dismantling and refixing etc which will be paid separately.	Sqm	13.26	13.70		26.96		
48	Providing and fixing 18 mm thick gang saw cut mirror polished premoulded and prepolished, machine cut for kichen paltforms, vanity counters window sills, facias and similar locations of required size of 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. Raj nagar plain white marble/Udaipur green marble/Zebra black marble. Area of slab over 0.5 Sqm	Sqm	3.40	3.40		6.80		

S. No	Description of item	Unit	S.No.1	S.No.2	S.No.3	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty			
49	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) : For fixed portion Powder coated aluminium (minimum thickness of powder coating 50 micron)	KG	265.58	266.37		531.95		
50	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) : 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).	KG	269.81	304.42		574.23		

S. No	Description of item	Unit	S.No.1	S.No.2	S.No.3	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty			
51	Providing and fixing Curtain Glazing using Double Glazed Unit which shall be hermetically insulated (6mm thick heat reflective, toughened, hard coated colour glass on outside and 6 mm thick clear toughened glass on inside with 12 mm air gap fixed using aluminium extruded sections). The framing system shall use aluminum of grade 63400 WP IS: 733 and ID: 1285, pure polyester powder coated, 65microns in approved colour and shade fixed through adequately designed MS galvanized / aluminium anchor brackets. Work shall include designing, shop drawing, structural calculations based on thermal movement, air filtration, water penetration, seismic movement and structural movement as per standard procedure. The whole work to be done as per architectural elevation drawing i/c required aluminium sub-frame. Structural grade silicone filling with masonry / RCC work, all height i/c double height, for straight / curve etc. complete.	Sqm	16.01	52.41		68.42		
52	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. Twin rubber stopper	EA	12.00	9.00	20.00	41.00		
53	Providing and fixing aluminium sliding door bolts ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade with nuts and screws etc. complete : 250x16 mm	EA	6.00			6.00		
54	Providing and fixing aluminium tower bolts ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade with necessary screws etc. complete: 250x10 mm	EA	22.00			22.00		
55	Providing and fixing aluminium handles ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade with necessary screws etc. complete: 125 mm	EA	46.00	36.00	40.00	122.00		

S. No	Description of item	Unit	S.No.1	S.No.2	S.No.3	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty			
56	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 aluminium 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. Prelaminated particle board with decorative lamination on both sides.	SQM	15.78			15.78		
57	Providing fixing aluminium casement windows fastener of required length for aluminium windows with necessary screws etc. complete. Polyester powder coated minimum thickness 50 micron aluminium.	Each	40.00	18.00		58.00		
58	Making the opening in brick masonry including dismantling in floor or wall by cutting masonry making good the damages to walls, flooring and jambs complete to match the existing surface including disposal of malba/rubbish to the nearest municipal dumping ground. For door/window/celerstory window	Ea	6.00	5.00		11.00		
59	Dismantling of PVC flooring of area up to 100 sqm by scraping/streching/cutting with necessary tools includig disposal of rubbish upto 50 m lead.	LS	2.00	2.00		4.00		
60	Providing and applying of approved make self-leveling epoxy coating at your plant with Specification as follows: • Scraping the complete area with the help of mechanical means or suitable method and grinding the floor with the help of floor grinding machine (dry grinding) to remove all dirt debris and loosely bonded epoxy coating . • Application of Primer @ 200gm/sqm on the treated surface • Application of screed 2mm @ 2.5kg/sqm. • Final coat of Self leveling 2mm @2.5kg/sqm to attain the desired finish	Sqm	259.50	147.96		407.46		



S. No	Description of item	Unit	S.No.1	S.No.2	S.No.3	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty			
61	Dismantling tile work in floors and roofs laid in cement mortar including stacking material within 50 metres lead: For thickness of tiles 10 mm to 25 mm	Sqm	32.40	30.93	227.99	291.32		
62	Providing and laying C-Vigo floor tiles of size 300x300 mm of approved make and colors, 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 pigment etc., ( Kajaria make HSN Code 69072100)complete	Sqm	17.70	4.88	53.15	75.73		
63	Providing and Fixing C-Vigo Light ceramic glazed wall tiles of size 300x450 of approved make, shades 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 . Kajaria Make C-VIGO LIGHT HSN CODE 69072100	Sqm	65.10	22.79	75.60	163.49		
64	Providing and Fixing 600x450mm bevelled edge mirror of superior glass (of approved quality) complete with 6 mm thick hard board ground fixed to wooden cleats with cp brass screws and washers etc complete.	Ea	0.90	0.45	2.00	3.35		
65	Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete. flexible pipe 32 mm dia.	Ea	3.00	3.00		6.00		
66	P/F of CP jali of appd design and shape: 100 mm dia.	Ea	3.00	3.00		6.00		
67	Providing and fixing C.P. brass stop cock (concealed) of standard design and of approved make conforming to IS:8931: 15 mm nominal bore.	EA	2.00	2.00		4.00		
68	Providing and fixing C.P. brass bib cock of approved quality conforming to IS: 8931: 15 mm nominal bore.	EA	3.00	3.00		6.00		

S. No	Description of item	Unit	S.No.1	S.No.2	S.No.3	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty			
69	Providing and fixing C.P. brass long nose bib cock of approved quality conforming to IS standards and weighing not less than 810 gms : 15 mm nominal bore.	EA	2.00	2.00		4.00		
70	Providing and fixing uplasticised PVC connection pipe with brass unions: 45 cm length, 15 mm NB	Ea	3.00	3.00		6.00		
71	Providing and fixing C.P. brass angle valve for basin mixer and gyser points of approved quality conforming to IS:8931 a) 15 mm nominal bore : 15 mm nominal bore	EA	5.00	5.00		10.00		
72	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer in Charge. Internal work - Exposed on wall : 20 mm nominal outer dia Pipes.	M	25.00	15.00		40.00		
73	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer in Charge. Internal work - Exposed on wall : 25 mm nominal outer dia Pipes.	Mtr	20.00	10.00		30.00		
74	Dismantling broken W.C. pot/urinal/Wash basin including dismantling flooring, disconnecting G.I. inlet connection, flush pipe, traps etc. and disposal of rubbish to M.C.D. dumping ground complete.	Ea	5.00	3.00		8.00		

S. No	Description of item	Unit	S.No.1	S.No.2	S.No.3	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty			
75	Providing & fixing White vitreous china water closet squatting pan (Indian type) along with "S" or "P" trap including dismantling of old WC seat and "S" or "P" trap at site complete with all operations including all necessary materials, labour & disposal of dismantled material i/c malba, all complete as per the direction of Engineer-in charge. Orissa pattern W.C Pan of size 580x440 mm	Ea	1.00	1.00		2.00		
76	Providing and fixing white vitreous china pedestal type water closet (European type) with seat and lid, 10 litre low level white vitreous china flushing cistern and C.P flush bend with fittings & C.I. brackets, 40 mm flush bend, overflow arrangement with specials of standard make and mosquito proof coupling of approved municipal design complete including painting of fittings and brackets, cutting and making good the walls and floors wherever required. W.C. pan with ISI marked white solid plastic seat and lid.	Ea	1.00		2.00	3.00		
77	Providing and fixing white vitreous china flat back or wall corner type lipped front urinal basin of 430x260x350 mm and 340x410x265 mm sizes respectively with automatic flushing cistern with standard flush pipe and C.P. brass spreaders with brass unions and GI clamps complete, including painting of fittings and brackets, cutting and making good the walls and floors wherever required: Range of two urinal basins with 5 litre white P.V.C. automatic flushing cistern	Ea	1.00	1.00	2.00	4.00		
78	Providing & fixing vitreous china Oval wash basin 570x425mm dia. for under counter mounting, specially fabricated brackets painted white, 32mm C.P.cast brass bottle trap and connection pipe to wall with C.P. wall flange and rubber adopter for waste connection complete, including cutting and making good the walls wherever required. (PARRYWARE 0418 OR APPROVED EQUIVALENT, PASTEL COLOUR)	Ea	2.00			2.00		

S. No	Description of item	Unit	S.No.1	S.No.2	S.No.3	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty			
79	Trimming of any no. of branches of any size of any type of tree overhanging on building / terrace so as to keep them away from building by at least 2.00 mtr at the time of trimming in such a way that they do not fall on the bldg, terrace, GI/ACC shed, live transformer, electric/telephone wire by any means Use axe, saw, ropes etc. as per site conditions. The trimmed material to be disposed to the MCD bin by any means. Nothing shall be allowed to be burnt or flamed.	Ea	3.00	3.00		6.00		
80	Providing and fixing concertina coil fencing with punched tape concertina coil 600 mm dia 10 metre openable length (total length 90 m), having 50 nos rounds per 6 metre length, upto 3 m height of wall with existing angle iron 'Y' shaped placed 2.4 m or 3.00 m apart and with 9 horizontal R.B.T. reinforced barbed wire, stud tied with G.I. staples and G.I. clips to retain horizontal, including necessary bolts or G.I. barbed wire tied to angle iron, all complete as per direction of Engineer-in-charge, with reinforced barbed tape(R.B.T.) / Spring core (2.5mm thick) wire of high tensile strength of 165 Kg/ sq.mm with tape (0.52 mm thick) and weight 43.478 gm/ metre (cost of M.S.angle, C.C. blocks shall be paid separately).	Mtr	174.00	195.00	49.50	418.50		
81	Disposal of moorum/building rubbish/ malba/ similar unserviceable, dismantled or waste material by mechanical transport including loading, transporting, unloading to approved municipal dumping ground for lead upto 10 km for all lifts, complete as per directions of Engineer-in-charge. Note - item to be applicable in urban areas having directions for restricted hours for movement/ plying of load carrying motor vehicle of 3.5 cum or more.	CUM	38.53	50.00		88.53		
82	Providing and fixing glass strips in joints of terrazo/cement concrete floors. - 40 mm wide and 4 mm thick.	Mtr		33.70		33.70		
83	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade. Two or more coats on new work.	Sqm		15.60	199.27	214.87		

S. No	Description of item	Unit	S.No.1	S.No.2	S.No.3	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty			
84	P/F MS chequered plate i/c cutting, straightening, rounding of edges, making lifting arrangement & fixing by welding to M.S angle frame etc.	Kg		64.69		64.69		
85	Structural steel work in single section fixed with or without connecting plate including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete.	KG		119.60		119.60		
86	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 & similar works.	Kg		532.38		532.38		
87	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer in Charge.Internal work - Exposed on wall : 15 mm nominal outer dia Pipes	M		10.00		10.00		
88	Providing and fixing wash basin with C.I. brackets, 15 mm C.P. brass pillar taps, 32 mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever require : white vitreous china wash basin size 630x450 mm with single 15 mm C.P. brass pillar tap	Ea		1.00		1.00		
89	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.	EA		6.00	20.00	26.00		
90	Providing and fixing aluminium sliding door bolts ISI marked anodised (anodic coating not less than gradeAC 10 as per IS:1868) transparent or dyed to required colour and shade with nuts and screws etc. complete: 300x16 mm	EA		18.00	20.00	38.00		

S. No	Description of item	Unit	S.No.1	S.No.2	S.No.3	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty			
91	Providing and fixing aluminium tower bolts ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade with necessary screws etc. complete: 200x10 mm	EA		36.00		36.00		
92	Providing and laying Vitrified tiles in floor in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS:15622, of approved brand & manufacturer, in all colours and shade, laid on 20 mm thick cement mortar 1:4 (1 cement: 4 coarse sand) jointing with grey cement slurry @3.3 kg/sqm including grouting the joints with white cement and matching pigments etc. The tiles must be cut with the zero chipping diamond cutter only . Laying of tiles will be done with the notch trowel, plier, wedge, clips of required thickness, leveling system and rubber mallet for placing the tiles gently and easily. Double charge vitrified tile polished finish of size of Tile 600 x 600 mm	Sqm		21.75		21.75		
93	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-incharge. (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		117.00		117.00		
94	Demolishing R.C.C. work manually /by mechanical means including stacking of steel bars and disposal of unserviceable material within 50 metres lead as per direction of Engineer-In-charge.	Cum			6.38	6.38		

S. No	Description of item	Unit	S.No.1	S.No.2	S.No.3	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty			
95	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 disposal of excavated earth, lead upto 50 m and lift upto 1.5 m, disposed earth to be levelled and neatly dressed : All kinds of soil.	Cum			67.42	67.42		
96	Providing and laying polished 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 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., complete. size of tile 600x600mm	Sqm			621.99	621.99		
97	15 mm cement plaster on rough side of single or half brick wall of mix: 1:4 (1 cement : 4 coarse sand).	Sqm			786.72	786.72		
98	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). All works above plinth level upto floor V level	Cum			71.58	71.58		

S. No	Description of item	Unit	S.No.1	S.No.2	S.No.3	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty			
99	Half brick masonry with common burnt clay F.P.S (non modular) bricks of class designation 7.5 in superstructure above plinth level upto floor V level in cement mortar 1:4 (1 cement : 4 coarse sand)	Sqm			75.00	75.00		
100	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level. Cold twisted bars	Kg			16,806.85	16,806.85		
101	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.	Cum			234.51	234.51		
102	Centring and shuttering including strutting, propping etc. and removal of form work for : Foundations, footings, bases of columns. For mass concrete	Sqm			37.50	37.50		
103	Providing and laying in position specified grade of reinforced cement concrete, excluding the cost of centering, shuttering, finishing and reinforcement - All work up to plinth level : 1:1.5:3 (1 cement : 1.5 coarse sand (zone-III) derived from natural sources : 3 graded stone aggregate 20 mm nominal size derived from natural sources)	Cum			25.73	25.73		
104	Reinforced cement concrete work in walls (any thickness), including attached pilasters, buttresses, plinth and string courses, fillets, columns, pillars, piers, abutments, posts and struts etc. above plinth level up to floor five level, excluding cost of centering, shuttering, finishing and reinforcement : 1:1.5:3 (1 cement : 1.5 coarse sand(zone-III) derived from natural sources : 3 graded stone aggregate 20 mm nominal size derived from natural sources)	Cum			41.78	41.78		
105	6mm cement plaster to ceiling of mix: 1:3 (1 cement : 3 fine sand).	Sqm			247.90	247.90		



S. No	Description of item	Unit	S.No.1	S.No.2	S.No.3	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty			
106	Providing and fixing ISI marked flush door shutters conforming to IS: 2202 (Part I) decorative type, core of block board construction with frame of 1st class hard wood and well matched teak 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters. 25 mm thick (for cupboard) including ISI marked nickel plated bright finished M.S. Piano hinges IS: 3818 marked with necessary screws.	SQM			37.80	37.80		
107	Providing and fixing Stainless Steel A ISI 304 (18/8) kitchen sink as per IS: 13983 with C.I. brackets and stainless steel plug 40 mm, including painting of fittings and brackets, cutting and making good the walls wherever required : Kitchen sink without drain board : 610x510 mm bowl depth 200 mm.	Ea			1.00	1.00		
108	Providing and fixing wash basin with C.I. brackets, 15 mm C.P. brass pillar taps, 32 mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever required : White Vitreous China Surgeon type wash basin of size 660x460 mm with a pair of 15 mm C.P. brass pillar taps with elbow operated levers.	Ea			1.00	1.00		
109	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge. Concealed work, including cutting chases and making good the walls : 20 mm nominal outer dia Pipes.	Mtr			10.00	10.00		

S. No	Description of item	Unit	S.No.1	S.No.2	S.No.3	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty			
110	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge. Concealed work, including cutting chases and making good the walls : 15 mm nominal outer dia Pipes.	Mtr			10.00	10.00		
111	Providing and fixing on wall face unplasticised - Rigid PVC rain water pipes conforming to IS : 13592 Type A including jointing with seal ring conforming to IS : 5382 leaving 10 mm gap for thermal expansion. (i) Single socketed pipes: 110 mm diameter	Mtr			20.00	20.00		
112	Providing and fixing aluminium tower bolts ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade with necessary screws etc. complete: 300x10 mm	Ea			20.00	20.00		
113	Providing and fixing C.P. brass long body bib cock of approved quality conforming to IS standards and weighing not less than 690 gms: 15 mm nominal bore	Ea			4.00	4.00		
114	P/F polythene cover for protection of wooden fixtures/ fittings and carpet etc. during the execution of work.	Sqm			132.00	132.00		
115	Providing & fixing roller blinds screen Fabric/ blankout, off-white shade (VP-781) as per direction of EIC Mac décor/ approved make	Sqm			27.00	27.00		
116	P/F of anodized aluminium section door and windows as per design "complete with all hardware and accessories like handles, hinges, " stays etc. Item is complete with all rubber beadings and the vendor has to ensure that all gaps between wall surface and edge sections are properly sealed with approved sealant. Items includes float glass" of required thickness. (Hindalco 2917 series, anodizing in 20 micronbronze matt colour) openable doors, windows with 8mm glass"	Sqm			20.25	20.25		

S. No	Description of item	Unit	S.No.1	S.No.2	S.No.3	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty			
117	Structural steel work riveted, bolted or 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			660.56	660.56		
<b>SUB-TOTAL : PART-A CIVIL WORKS</b>								
<b>PART-B "ELECTRICAL WORKS"</b>								
1	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 B	Point	30.00	20.00	20.00	70.00		
2	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	Point	50.00	30.00		80.00		
3	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.2 X 2.5 sq. mm + 1 X 2.5 sq. mm earth wire	Metre	260.00	150.00	140.00	550.00		
4	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.2 X 4 sq. mm + 1 X 4 sq. mm earth wire	Metre	220.00	125.00	110.00	455.00		
5	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 amps modular socket outlet and 5/6 amps modular switch, connection etc. as required.	Each	16.00	10.00	6.00	32.00		

S. No	Description of item	Unit	S.No.1	S.No.2	S.No.3	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty			
6	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 amps modular socket outlet and 15/16 amps modular switch, connection etc. as required.	Each	20.00	15.00	15.00	50.00		
7	Supplying and fixing 5 A to 32 A rating, 240/415 volts 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-Single Pole	Each	36.00	18.00	24.00	78.00		
8	Providing and fixing, Testing & commissioning of 450mm dia heavy duty Exhaust Fan with louver of approved make.(crompton greaves)	Each	8.00	6.00		14.00		
9	Providing and fixing ceiling fan 48" of crompton make with five stage Electronic fan regulator of anchor make.	Each	10.00	7.00		17.00		
10	Providing and fixing Exhaust Fan of size 12" of crompton approved make.	Each	5.00	3.00		8.00		
11	P/F/T/C of PHILIPS make Stellar Bright LED Tube Light 20 W with Batten complete job.	Each	60.00	40.00	15.00	115.00		
12	Supplying and fixing following rating, four pole, (three phase and neutral), 415 volts, residual current circuit breaker (RCCB), having a sensitivity current upto 300 milliamperes in the existing MCB DB complete with connections, testing and commissioning etc. as required. 63Amps	Each	2.00	1.00		3.00		
13	Providing and fixing following rating and breaking capacity and pole MCCB with thermomagnetic release and terminal spreaders in existing cubicle panel board including drilling holes in cubicle panel, making connections, etc. as required. 200 A,36 KA FP MCCB.	Each	1.00		4.00	5.00		



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S. No	Description of item	Unit	S.No.1	S.No.2	S.No.3	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty			
14	Supplying and fixing following way, horizontal type three pole and neutral, sheet steel, MCB distribution board, 415 volts, 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). 6 (4+18) way Double door.	Each	2.00	1.00		3.00		
15	Supplying and fixing following rating, Four pole, 415 volts, MCB in the existing MCB DB complete with connection, testing and commissioning etc. as required 63 amps	Each	2.00	1.00	2.00	5.00		
16	Supplying and fixing 20 amps, 240 volts, SPN industrial type, socket outlet, with 2 pole and earth, metal enclosed plug top along with 20 amps C' curve, SP, MCB, in sheet steel enclosure, on surface. or in recess, with chained metal cover for the socket out let and complete with connections, testing and commissioning etc. as required.	Each	2.00	1.00		3.00		
17	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. 25mm	Metre	60.00	40.00	110.00	210.00		
18	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. 2 X 10 sq. mm + 1 X 6 sq. mm earth wire	Metre	40.00	20.00		60.00		
19	Providing, Fixing, Testing & Commissioning Of 3 nos. 6A 5pin socket and 1 no.6A switch in 5 module plate for the various raw power / computer requirements.(with Ms Box)MAKE - MK OR EQUIVALENT	Each	4.00	2.00	10.00	16.00		
20	P/f of M.S Box 4" / 3" for 3/4 Module plate	Each	4.00	2.00		6.00		

S. No	Description of item	Unit	S.No.1	S.No.2	S.No.3	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty			
21	Providing and fixing following rating and breaking capacity and pole MCCB with thermomagnetic release and terminal spreaders in existing cubicle panel board including drilling holes in cubicle panel, making connections, etc. as required. 125 A,36 KA FP MCCB.	Each		1.00		1.00		
22	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 A	Point			12.00	12.00		
23	Supplying and fixing following way, single pole and neutral, sheet steel, MCB distribution board, 240 volts, 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) 8 way, Double door.	Each			2.00	2.00		
24	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.2 X 6 sq. mm + 1 X 6 sq. mm earth wire	Metre			20.00	20.00		
25	Supply, fixing, laying of M.S. painted raceway of following sizes with top openable MS sheet cover of 3mm thick complete with junction box of all ways with suitable nos of knockout for fixing conduits directly on it, neoprene rubber packing, bends and all accessories required (separate for computer wiring and power system) in floor. It will be grouted in the floor, junction will be bigger in size. This item will involve breaking the existing floor and putting a cushion of 5cm lean PCC for leveling under the raceway 100 x 50 x 2mm thick with 3mm top cover	Mtr			15.00	15.00		



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S. No	Description of item	Unit	S.No.1	S.No.2	S.No.3	TOTAL QTY	RATE	AMOUNT
			Qty	Qty	Qty			
26	Supplying and fixing following way, horizontal type three pole and neutral, sheet steel, MCB distribution board, 415 volts, 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). 4 (4+12) way Double door.	Each			2.00	2.00		
27	LUMINAIRE,LED TYPE: COOL DAY LIGHT; POWER: 36 W; VOLTAGE: 240V ; LAMP SIZE 600X600MM; ADDITIONAL INFORMATION: LED LIGHT 2X2 FEET	Each			10.00	10.00		
28	Providing and laying 4 core 10sqmm copper armoured cable with 2 x 16 SWG earth wire.	Rmt			16.00	16.00		
29	INFORMATION: CEILING MOUNTED INTERNAL LIGHT IN ROUND SHAPE LAMP,LED,TYPE:SPOT LIGHT;POWER:12W;VOLTAGE;240V;COLOR WHITE;DIMENSION:150MM;SPECIAL FEATURES:CEILING MOUNTED;ADDITIONAL BRPL-DAP-AD-OFE OFFICE EQUIPMENTS	Each			20.00	20.00		
30	Supplying and fixing following rating, double pole, 240 volts, isolator in the existing MCB DB complete with connections. testing and commissioning etc. as required. 63 Amps.	Each			4.00	4.00		
31	Providing and fixing wall mounting revolving fan of approved (Deluxe of 16" size) make including making all necessary connections etc. complete as per directions of Engineer-in-Charge.	Each			15.00	15.00		
<b>SUB-TOTAL : PART-B ELECTRICAL WORKS</b>								
<b>TOTAL : PART A + PART B</b>								
<b>ADD GST@18%</b>								
<b>TOTAL AMOUNT I/ GST @18%</b>								

**Appendix- VI****COMMERCIAL TERMS AND CONDITIONS**

Sl. No.	Item	Description	Bidder's Confirmation
1	<b>Validity of Bids</b>	For a period of 180 days from the date of opening of Part- A, techno-commercial bid.	
2	<b>Price Variation / Adjustment</b>	Prices are firm	
3	<b>Liquidated Damages</b>	1 (one) % of the contract value per week of delay or part thereof subject to a maximum of 10 (ten) % of the contract value	
4	<b>Defect Liability Period</b>	12 (Twelve) calendar months from the date of the successful completion of the contract as certified by the EIC	
5	<b>Contract Performance Bank Guarantee</b>	Five percent (5%) of total contract value and shall be valid till completion of Contract (incl. DLP), plus three (3) months towards claim period.	
6	<b>Advance payment / Retention</b>	Not Applicable	
7	<b>Terms of Payment</b>	<p>7.1 90% payment against completion of work on pro-rata basis within 30 days on submission of bills duly certified by Engineer-In-Charge. For Certification of work completion our EIC shall be Head (civil) BRPL or his nominated representative. Running bills can be processed for maximum 90% amount of the order value.</p> <p>Out of the above value, Contractors may avail 15% of contract value as advance payment against submission of Advance Bank Guarantee (ABG) of equivalent amount valid till completion of contract or Advance recovery period, as well as of Contract Performance Bank Guarantee as stipulated in SECTION – III SPECIAL CONDITIONS OF CONTRACT (SCC), Clause 6(b).</p> <p>ABG shall be released after recovery of advance payment from the RA bill. In case execution time exceeds the stipulated time frame, ABG shall be extended to facilitate recovery.</p> <p>7.2 QC department will Inspect the site &amp; Their clearance is required for declaration of "Completion of work". However, no Payment shall be retained for quality control clearance.</p> <p>7.3 Balance 10% of payment would be retained for performance guarantee against defect liability which would be released after 12 months after the</p>	



		completion of the project or on submission of equivalent performance bank guarantee as retention BG. QC is mandatory and without QC the balance 10% of payment shall not be released.	
8	<b>Completion time</b>	Tender conditions shall prevail.	
9	<b>Due date of payment</b>	Within 30 days from the date of submission of certified bill	
10	<b>Penalties</b>	Not Applicable	
11	<b>Termination</b>	<ul style="list-style-type: none"><li>➤ Termination for non-performance by giving 30 days notice</li><li>➤ Premature Termination for breach of contract</li><li>➤ Termination by company for convenience</li></ul>	<ul style="list-style-type: none"><li>➤</li></ul>

**Note: RA is mandatory. The bids will be evaluated commercially based on the total all inclusive price. BRPL reserves the right to evaluate the bid in totality or partially. RA methodology will be informed separately to all the qualified bidders prior to RA.**

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