

**Bill of Quantities of Repair & Renovation of Flat No. 232 & 233 of
Sarthak Tower, Cuttack, Odisha**

Summary

<u>Description</u>	<u>Amount (Rs.)</u>
Section - 1 - General Civil Works	Rs.
Section - II - Sanitary & Plumbing Works	Rs.
Section - III - Electrical Installation Works	Rs.
Total	Rs.

Section - I - General Civil Works

SI No.	Particulars	Unit	Qty.	Rate (Rs.)	Amount
1	Dismantling doors, windows, grills, collapsible gates etc. from its existing position including cutting off hold fasts, removing chouxhats etc. carefully and handing over the useful material to the owner's store including mending good to the damages.	Nos.	26.00		
	(Rate in words)				
2	Dismantling all electrical works, inclusive wiring switch boards, panel board, DB's etc. and handing over all useful material to the owner. (Two nos. of 3 BHK Flats)	Item	1.00		
	(Rate in words)				
3	Dismantling all plumbing works carefully including fittings & fixtures, water supply pipes & fittings, soil waste pipes & fittings and handing over all useful materials to the owner's store and disposal of debris to a location arranged by the contractor out side the premises. (Toilets - 4 nos., Kitchen - 2 nos.)	Item	1.00		
	(Rate in words)				
4	Scraping and removing the existing floor finishes of all types and thickness carefully with the help of necessary T&P and at places shown in the drawing including disposal of rubbish to the location arranged by the contractor in conformity with the local rules including the cost of all labour, T&P, etc. required for the work. (Two nos. of 3 BHK Flats)	Sqm.	200.00		
	(Rate in words)				
5	Dismantling brick masonry work of all thickness wherever directed carefully including plaster, electrical or plumbing fixtures & fittings from the effected area and removing the rubbish to a location arranged by the contractor in conformity with the local municipal rules including cost of all labour, T&P etc. required for the work. (All internal 1/2 BK thick walls.)	Sqm.	160.00		
	(Rate in words)				

SI No.	Particulars	Unit	Qty.	Rate (Rs.)	Amount
6	Scraping off plaster from ceiling and walls carefully and removal of debris. (From 1.00 thick common wall and External Wall.)	Sqm.	380.00		
	(Rate in words)				
7	Providing brick masonry work in cement mortar (1:6) using locally available best quality kiln burnt bricks having crushing strength not less than 75 Kg/Sq.Cm. The work shall be provided to plain or curved surfaces including offsets, splays, pillars, piers, steps etc. as per drawing, specification and necessary curing, complete with all labour, materials and scaffolding charges.	Cum.	5.50		
	(Rate in words)				
8	Providing half brick thick masonry work to walls using approved quality kiln burnt bricks in cement mortar (1:4) to plain or curved surfaces including offsets etc. including providing and laying H.D. wire netting re-inforcements of 16 gauge at every fourth layers as per direction, specification and necessary curing, complete with all labour, materials and scaffolding charges.	Sqm.	130.00		
	(Rate in words)				
9	Providing, laying and hoisting re-inforced cement concrete of grade M:20 not leaner than (1:1.5:3) using 20 mm. and down graded granite chips including compacting concrete by mechanical means in coloumn safts, walls, floors, roofs, beams, lintels, piers, pillars bed blocks, staircases in rack and levels, steps etc. excluding cost of centering, shuttering and re-inforcement steel (measured separately) complete with all labour and materials.	Cum.	0.70		
	(Rate in words)				

SI No.	Particulars	Unit	Qty.	Rate (Rs.)	Amount
10	Hire and labour charges for providing stout props. centering, shuttering for item No.(3) above re-inforced concrete works including necessary staging, fitting, fixing and striking out after completion (Only area in contact with concrete surface shall be measured for the purpose of payment). Cost shall also be included for providing and laying polythene sheets to make water tight shuttering.	Sqm.	20.00		
	(Rate in words)				
11	Providing laying and hoisting re-inforced cement concrete of grade M:20 not leaner than (1:1.5:3) using 20mm down graded granite chips including cost of centering shuttering but excluding the cost of re-inforcement steel complete with all labour and materials.				
(a)	To 75mm thick, sills, plat forms, lofts etc.	Sqm.	4.50		
	(Rate in words)				
(b)	To 65 mm thick R.C.C. drops, fins, stair railings etc.	Sqm.	7.00		
	(Rate in words)				
12	Supplying, laying and tying plain or ribbed deformed bars as steel re-inforcement for re-inforced concrete works including distribution bars, stirrups, binders etc; straightening of coils bars and removal of loose rust including applying a coat of cement wash if necessary, cutting to requisite length, hooking and bending to correct shape, placing in proper position and binding with 24 gauge black anealed wire at every inter-section complete as per drawing and direction. (Weight shall be calculated as per standard tables and wastage shall not be accounted for the purpose of payment) .	Kg	70.00		
	(Rate in words)				

SI No.	Particulars	Unit	Qty.	Rate (Rs.)	Amount
13	Supplying and laying 300 mm. x 200 mm. x 5 mm.(min) thick glazed tiles of approved make to floor and dadoo over a base course of minimum 12 mm thick cement sand mortar (1:3) with white cement pointing, grouting etc. as specified and directed, laid to required slope, cutting in required shape to corners/jointing etc. with all labour and materials complete. (Including racking out joints to brick wall or close and deep chipping on concrete surface).	Sqm.	66.00		
	(Rate in words)				
14	Providing and fixing machine polished and machine cut best quality Green marble slabs of 17 mm thick in floors over a base coarse of min. 12 mm. thick (1:3) cement mortar including polishing to superior finish, white cement grouting etc. complete. (In Toilets only)	Sqm.	15.00		
	(Rate in words)				
15	Supplying and laying 20mm thick machine cut and machine polished Kotah stone to floors, skirting dadoo etc. over a base course of min. 12 mm. thick cement-sand mortar (1:3) jointed and pointed with white cement slurry mixed with pigment, all as per direction complete with polishing in superior finish, rubbing, roughening and cleaning the base with all labour and materials required for the work. (Kitchen, Passage, Balcony)	Sqm.	40.00		
	(Rate in words)				
16	Supplying and laying 20 mm thick machine out and machine polished Granite stone slab to kitchen platform in one piece and also for skirting etc. over a base course of cement-sand mortar (1:3) jointed and pointed with gray cement slurry mixed with pigment, all as per direction complete with all labour and materials required for the work.	Sqm.	9.00		
	(Rate in words)				

SI No.	Particulars	Unit	Qty.	Rate (Rs.)	Amount
17	Providing and laying 10 mm. thick Factory made, cut and Factory polished to mirror finish stained proof (First quality) 595x595 Vitrified tiles: "Cleopatra / Capri Of Naveen or similar approved make to floors and skirting after preparing the surface by cleaning thoroughly from dirt and dust and also roughening the surface by slight hacking etc. with coloured tile strips for forming flooring pattern and design as shown in the drawing, to be laid over a base course of min.12 mm. thick cement-sand mortar (1:3) complete with cost of all labour, material and white cement mixed with pigment grouting etc. to the satisfaction of the Architect. (Cost shall not be less than Rs.40.00/Sft.).	Sqm.	115.00		
	(Rate in words)				
18	Providing plaster to walls, ceiling, columns, bands, fins, chajjas etc, with cement and sand mortar including racking out of joints, roughening the concrete surface as per direction inclusive of working in narrow width, filling of the porturated surface of the masonry work complete with all labour, materials and scaffolding charges. The work to be completed inclusive of all cost and labour for rounding, chamfering, throating, nosing at drip course moulding etc. complete.				
(i)	With average 15 mm. thick cement and sand mortar (1:6) on to the in-side face.	Sqm.	388.00		
	(Rate in words)				
(ii)	With minimum 6 mm. thick cement sand mortar (1:3) to ceiling, soffit of stair, chhajja, RCC, Coloumn/ Beams etc.	Sqm.	200.00		
	(Rate in words)				

SI No.	Particulars	Unit	Qty.	Rate (Rs.)	Amount
19	Providing and fixing in position well dressed, naturally seasoned sal wood rebated frame to doors including two coats of hot bitumen applied to rear of frame in contact with masonry or concrete surface complete with all labour and materials, including painting two coats of synthetic enamel paint over a coat of primer both of approved brand and shade to exposed faces.	Cum.	1.05		
	(Rate in words)				
20	Providing and fixing in position 30 mm thick factory made, hot pressed, solid core block board construction flush door shutters, bounded with phenol formal dehyde synthetic resin, teak wood lipping all around complete as specified and as shown in the drawing. (Hardware fixtures measured separately).				
(a)	Teak veneered on both faces.	Sqm.	28.00		
	(Rate in words)				
(b)	Teak veneered on one face and minimum 1.0 mm. thick mat finish laminate of approved brand on other face.	Sqm.	6.50		
	(Rate in words)				
21	Providing and fixing 40 mm x 20 mm shaped teak wood cover mould to door openings including enamel painting as per drawing and direction.	Rmt.	56.00		
	(Rate in words)				
22	Supplying and fixing M.S. clamps to door frames made of 25 mm x 6 mm. flats and bifurcated, fixed in cement concrete (1:2:4) with stone chips as per direction and mending all the damages with all labour and materials.				
(a)	225mm long	Nos.	30.00		
	(Rate in words)				
(b)	150mm long	Nos.	16.00		
	(Rate in words)				
23	Supplying, fitting and fixing 100 x 75 x 10 gauge stainless steel butt hinges.	Nos.	56.00		
	(Rate in words)				

SI No.	Particulars	Unit	Qty.	Rate (Rs.)	Amount
24	Providing and fixing heavy duty 50 mm/65 mm. solid rubber door buffer.	Nos.	14.00		
	(Rate in words)				
25	Supplying, fitting and fixing powder coated heavy duty door stopper with height and pressure adjustment in pressure die casting and heat treated spring clasps.	Nos.	14.00		
	(Rate in words)				
26	Supplying fitting and fixing heavy duty stainless steel tower bolt (full covered).				
(i)	225 mm long x 10 mm dia rod.	Nos.	20.00		
	(Rate in words)				
(ii)	150 mm long x 10 mm dia rod.	Nos.	8.00		
	(Rate in words)				
27	Supplying, fitting and fixing 300 mm long x 18 mm dia stainless steel aldrops.	Nos.	10.00		
	(Rate in words)				
28	Supplying, fitting and fixing 125 mm grip x 10 mm dia rod stain less steel 'D' type handle.	Nos.	28.00		
	(Rate in words)				
29	Supplying, fitting and fixing modular hydraulic type door closer of Godrej make.	Nos.	4.00		
	(Rate in words)				
30	Providing and fixing aluminium coloured powder coated frames to fully glazed windows using standard sections for frames for scantling and also for frames of windows, PVC gaskets, pins, min. 5.5. mm thick smoked glass panes as panels, fixing in the jambs using PVC lugs and steel screws at adequate internals etc. complete with cost of all labour and materials.				
(a)	All as above for Top Hung Ventilators.	Sqm.	1.50		
	(Rate in words)				
(b)	All as above for Sliding Windows.	Sqm.	30.00		
	(Rate in words)				

SI No.	Particulars	Unit	Qty.	Rate (Rs.)	Amount
31	Supply and fixing M.S. grills made of M.S. flats / square bars as per design and drawing, supplied and fixed including painting of two coats of synthetic enamel paint of approved shade and brand over a coat of zinc chromate primer complete with all labour, materials and fabrication charges. (weight shall be calculated as per standard tables, Theoretical wt.).	Kg.	585.00		
	(Rate in words)				
32	Applying two coats of synthetic enamel paint over a coat of primer of approved quality, brand and shade including smoothing the surface by sand paper and filler, and also scrapping the old painted surface by sand papering etc. with cost of all labour and materials.	Sqm.	20.00		
	(Rate in words)				
33	Providing polishing to wood work in minimum two or more coats of superior malamine finish with minimum three coats of P. U. coating including preparing the surface, smoothening the surface by sand paper and filler etc. complete with all labour and materials.	Sqm.	72.00		
	(Rate in words)				
34	Applying two coats distemper using st one lime to ceiling / interior faces including cleaning the surface, adding required amount of glue and blue etc. complete with all labour and materials.	Sqm.	200.00		
	(Rate in words)				
35	Applying minimum two coats of plastic emulsion paint of approved colour over a coat of primer. (Tractor emulsion of Asian Paint) to be applied after preparing the surface. Apply min. one coat of Birla wall putty to achieve min. 8.75 Sft. per Kg. of coverage. Rate to be included. Cost of paint, primer, putty, labour, scaffolding and all other to complete the work to the architect's approval.	Sqm.	388.00		
	(Rate in words)				

SI No.	Particulars	Unit	Qty.	Rate (Rs.)	Amount
36	<p>False Ceiling - Providing and fixing at site partially flush and partially recessed type plain Gypsum board false ceiling as per pattern and design made from 12.5 mm. thick paper reinforced gypsum board sheets fixed with main frame channels 80 mm x 26 mm. x 0.5 mm. at every 450 mm. center to center, with perimeter channel 20 mm. x 26 mm. x 0.5 mm. all along the wall shall be provide. The frame work to be suspended with strap hangers 25 mm. x 26 mm x 0.5 mm all along the wall shall be provided. The frame work to be suspended with strap hangers 25 mm. x 0.5 mm. from intermediate channels using nuts and bolts are recommended using rawl plugs 12.5 mm. dia x 35 mm. long with 6 mm. dia bolt and soffit cleat 27 mm x 37 mm. x 25 mm. x 1.6 mm. thick. Boards are to be screw fixed to the above frame work using 25 mm. dry wall screws.</p>				
	<p>Arrangements are to be made to accommodate light fixtures, by forming recessed channels etc. wherever directed. Depressions, nails and screws, jointing and finishing etc. shall be done with jointing compound of TOPCOAT primer, ceiling to be level and free from cracks. Item to be completed in all respects to the Architects approval including applying two coats of emulsion paint over a coat of primer. Opening in ceiling are to be tied with perimeter channel complete with the cost of all labour and materials (Measurement for the purpose of payment shall be taken for the flat surface only. RCC ceiling is @ 12' 0" high necessary length of hangers,etc. shall be considered before quoting the rates.)</p>	Sqm.	185.00		
	(Rate in words)				

SI No.	Particulars	Unit	Qty.	Rate (Rs.)	Amount
37	Kitchen Cabinet - Providing 2' 0" deep post forming 19mm thick particle board cabinets for shutter, drawers, intermediate partitions, shelves etc. including stainless steel wired accessories viz; shelves for crockery, utensils, cutlerices, cans to store grains and spices mounted over telescopic type heavy duty side or bottom mounted sliders, auto closing hinges, heavy duty scissor type hinges, cornor cabinet revolving type accessories and also are no. of Tower cabinet etc. complete all as per approved drawing and design complete with cost of all labour, hardware fittings, fixtures and ncessary labour charges etc. to the archtects approval.	Rmt.	15.00		
	(Rate in words)				
38	Over Head Kitchen Cabinet	Rmt.	6.00		
	(Rate in words)				
39	Low height wardrobe in Bed Rooms.	Rmt.	7.50		
	(Rate in words)				
	Total				

Section - II - Sanitary & Plumbing Works

SI No.	Particulars	Unit	Qty.	Rate (Rs.)	Amount
1	European pattern white vitrious ware water closet I.S.I. marked (HINDWARE :20001: 89.5 cm. ht. x 50 cm. width x 78 cm. proj. or similar approved any other make) with "P" or "S" trap with 50 mm horn if necessary and 10.0 liters capacity low level flushing cistern in white plastic with side in-let complete with internal fittings with P.V.C. float ball, external C.P. brass couplings with rubber joints, polythene mosquito proof over flow vent including white double solid plastic seat with hinged lead and rubber buffers, necessary G. I. supporting brackets duly painted etc. complete.	Sets.	4.00		
	(Rate in words)				
2	Supplying and fixing of 58 x 43 cms wash hand basin in white vitrious ware (ISI marked Hindware 10040 or any other similar approved make) including 15mm dia single centered C.P. deluxe head pillar cock (Heavy type) including 32 mm dia C.P. waste fittings, C.P. bottle trap (Heavy type), cast iron white painted concealed type supporting brackets, C.P. chain with rubber plug etc. complete.	Sets.	4.00		
	(Rate in words)				
3	Supplying and fixing of approx 460 mm dia ISI marked (Hindware 10014 or any other similar approved make) counter top wash hand basin in white vitrious ware including 15 mm dia single centered C.P. delux head pillar cock (Heavy type) including 32mm dia C.P. waste fittings, C.P. bottle trap(Heavy type), cast iron white painted concealed type supporting brackets, C.P. chain with rubber plug etc. complete.	Sets.	2.00		
	(Rate in words)				

SI No.	Particulars	Unit	Qty.	Rate (Rs.)	Amount
4	Constructing of 65 mm thick finished pre-cast and pre-cured reinforced cement concrete counter top for above counter top wash hand basin with minimum 20 mm. thick machine cut and polished in superior finish, white Dongari marble slab on to the top of the R.C.C. slab and on exposed edges of the concrete including necessary reinforcements and shuttering to be fixed along walls after cutting grooves and grouting in cement mortar (1:3) complete with all labours and materials as per drawing including and mending good to the damages and also white cement grouting, rendering etc. complete. (Only plan area shall be measured).	Sqm.	2.60		
	(Rate in words)				
5	Supply, fitting and fixing minimum 5.5 mm thick beveled edged sheet glass mirror of approved make with necessary B.W.P. ply as backing sheet, C.P. dome shaped screws, complete.	Sqm.	6.00		
	(Rate in words)				
6	Supply, fitting and fixing minimum 25 mm dia. x 60 cms long C.P. Brass (Heavy type) towel rail of approved make with brackets and screws complete.	Nos.	6.00		
	(Rate in words)				
7	Supply, fitting and fixing of stain-less steel sink including drain board of minimum bowl size :610 mm x 450 mm x 200 mm deep Nirali or similar approved any other make) with minimum 75mm. dia. C.P. cupped gratings, 40 mm. dia. C.P. waste coupling, necessary cast iron white painted cantilever brackets, 15 mm dia long body, wall mounted, sevel type C.P. brass bib cock etc. complete.	Sets.	1.00		
	(Rate in words)				

SI No.	Particulars	Unit	Qty.	Rate (Rs.)	Amount
8	Construction of 75 mm thick plain cement concrete (1:3:6) Kerb for ground sink using 20 mm nominal size stone aggregates and applying 12 mm thick cement sand plaster (1:4) inside and outside faces with neat cement punning including supplying and fixing of 15 mm dia white polythene bib cock etc. complete.	Sets.	2.00		
	(Rate in words)				
9	Supply, fitting and fixing of C.P. brass soap tray (Heavy type) with brass screws complete.	Nos.	4.00		
	(Rate in words)				
10	Supplying, fitting, fixing in position SWR PVC pipe as per IS 13592 (Type A) single/double socketed as required manufactured by "Finolex" or approved equivalent. The pipes are to be jointed using solvent cement/rubber gasket ring etc. complete all as per drawing, specification and testing the same after installation.				
(i)	110 mm dia.	Rmt.	46.00		
	(Rate in words)				
(ii)	75 mm dia.	Rmt.	26.00		
	(Rate in words)				
11	Extra over PVC pipes specials of following sizes such as bends (plain or with door), junctions (single or double with door or plain) 'P/S', B.M. traps (plain or with vent single or double branch inlet, cowl, of sets, pass over H.R. Bends etc.				
(i)	110 mm dia.	Nos.	26.00		
	(Rate in words)				
(ii)	75 mm dia.	Nos.	22.00		
	(Rate in words)				
12	125 mm dia C.P. floor grating of approved make (heavy type).	Nos.	6.00		
	(Rate in words)				
13	32 mm dia (inside) x 75 mm long white polythene waste water pipe with necessary bend, off-sets, and making connection including brass caps and screws.				
(i)	With C.P. brass coupling at one end.	Nos.	4.00		
	(Rate in words)				

SI No.	Particulars	Unit	Qty.	Rate (Rs.)	Amount
(ii)	With C.P. brass coupling at both ends.	Nos.	4.00		
	(Rate in words)				
14	40 mm dia (inside) PVC waste water pipe (Type A) with all necessary fittings such as bends, tees, elbows, nipples, plugs, reducers etc. and making threads, and connecting the branch inlet with extension pieces etc. complete.	Rmt.	24.00		
	(Rate in words)				
15	Supply, fittings, fixing and laying of CPVC pipes conforming to ASTM D2846 manufactured by "Ajay Floor Guard" or its approved equivalent. The pipes are to be jointed with fusion compound as per manufacturers' recommendation all as per specification, drawing and direction complete with all necessary CPVC brass socketed fittings such as bends, tees, elbows, reducers, sockets long screws, caps, clamps, plugs, union etc. complete.				
(i)	32 mm	Rmt.	40.00		
	(Rate in words)				
(ii)	25 mm	Rmt.	40.00		
	(Rate in words)				
(iii)	20 mm	Rmt.	20.00		
	(Rate in words)				
(iv)	15 mm	Rmt.	40.00		
	(Rate in words)				
16	CPVC full way valve of approved quality and make.				
(i)	32 mm	Nos.	2.00		
	(Rate in words)				
17	15mm dia white C.P. brass connector with C.P. brass couplings at both ends (Heavy type).	Nos.	10.00		
	(Rate in words)				
18	15 mm dia C.P. deluxe head stop cock of easy clean pattern.	Nos.	6.00		
	(Rate in words)				
19	15 mm dia C.P. brass delux head bib cock of easy clean pattern.	Nos.	4.00		
	(Rate in words)				
20	15 mm dia long body C.P. brass delux head bib cock of easy clean pattern.	Nos.	2.00		
	(Rate in words)				

SI No.	Particulars	Unit	Qty.	Rate (Rs.)	Amount
21	15mm dia Swan Neck sevel type Sink Tap with foam discharge.	Nos.	2.00		
	(Rate in words)				
22	Supplying laying and jointing stone ware pipes with tarred gasket properly caulked and jointed with cement mortar (1:2) embeded in 150 mm thick cement concrete (1:3:6) sides alround concrete as per specification, allow for necessary earth work in excavation, refilling the trenches restoration of surface, testing of pipe lines after erection etc. complete with all labour and materials.				
(i)	100 mm	Rmt.	15.00		
	(Rate in words)				
23	Construction of inspection pit in 25 cm thick brick work in cement mortar (1:4) on 150 mm thick cement concrete (1:3:6) bed using 20mm size stone aggregates including inside plastering with 20mm thick smooth cement sand plaster (1:3) including neat cement punning, forming channels in floor and supplying and fixing 455 mm dia (clear) x 8 cm thick cast iron water seal type man hole cover and frame (weight 52 kg) set in 10 cms thick R.C.C. (1:2:4) top slab cover with steel reinforcements, shuttering centering and necessary earth work in excavation and refilling the sides of the pit etc. complete with all civil works, labour, and materials. (2'-0" x 2'-0" inside).	Nos.	2.00		
	(Rate in words)				
24	Filtered water supply pipe connection with over-head water tank by using necessary Tees, elbows, plugs, flendge etc. complete.	Nos.	2.00		
	(Rate in words)				
25	Make connection with soil waste pipe to existing man whole inclusive of all necessary civil works complete.	Nos.	1.00		
	(Rate in words)				
	Total				

Section - III - Electrical Installation Work

SI No.	Particulars	Unit	Qty.	Rate (Rs.)	Amount
1	Supplying and fixing of TP Box with 50 A. 3 phase digital meter of L&T or Secure make.	Set	2.00		
	(Rate in words)				
2	Floor D.B. Company made Single Phase Four way DB with double door cover to be used M.S. cubical type duly flushed with the wall surface including making good to all damages with following arrangements:				
	Incoming : 63 amp DP - 1 No.				
	Outgoing: 32 amp DP MCB - 3 Nos.	Sets	2.00		
	(Rate in words)				
3	Light D.B.:- Company made with double door cover to be used M.S. Cubical Type duly flushed with the wall surface including making good to all damages with following arrangements:				
	Incoming : 32 amp DP MCB - 1 No				
	Outgoing: 10 amp SP MCB 10 Nos.	Sets	2.00		
	(Rate in words)				
4	AC Socket - Supplying and fixing 25 Amp. Power Unit of 'Havells' North-West make comprises of industrial plug socket, plug top, MCB etc. complete (For A. C.)	Nos.	4.00		
	(Rate in words)				
5	Sub-Main Wiring				
	Supplying and laying partly recessed (concealed) in wall and partly on surface of the R.C.C. ceiling / under false ceiling of Circuit / Sub-Main and computer wiring drawn in 25 mm. outer diameter M.S. conduit pipe as per IS:9537 (Part-II) with two runs of single core PVC insulated un-sheathed cable of copper conductor of size as specified below of 650/1100 Volt grade with running earth continuity wire of insulated (250/650) Volt grade) single core Solid Copper Conductor of size 1.0 Sq. mm (1/18 SWG). with Circuit wiring, Air Conditioner point, power plug point and hall for taking connection to computers as detailed below.				

SI No.	Particulars	Unit	Qty.	Rate (Rs.)	Amount
(a)	From Main Panel to Floor DB to UPS Input DB/AC DB to AC Power unit (6 Sqmm. x 4 + 4.0 Sqmm x 1) PVC single core copper wire.	Mtr.	90.00		
	(Rate in words)				
(b)	From Floor DB to LDB (4 Sqmm x 2 + 2.5 Sqmm. X 1) PVC single core copper wire.	Mtr.	20.00		
	(Rate in words)				
6	Point Wiring				
	Partly recessed in wall and partly on surface (on RCC ceiling) wiring to new light, fan, exhaust fan etc. points described below in 19/25 mm. outer diameter M.S. Conduit pipe as per IS:9537 (Part - II) with single core PVC insulated, unsheather cable of copper conductor of size 1.5 Sq. mm. (22 / 0.3 mm.) for point wiring and 2.5 Sq. mm (36/0.3 mm) for Circuit wiring drawn from B.D.B. to loop in box, junction box, switch board etc. of 650/1100 volt grade with fixing of company made Galvanized Boxes of 50 mm. deep of appropriate size inside the wall, 5 Amps. 230/250 Volts modular clip-in type switches, Angle batten holder / Batten holder / Ceiling rose (as required), 25/50 mm. deep R.J. Box with 3 mm. thick Bakelite cover of the required sizes on R.J. Box switch box, junction box etc. and earth continuity wire of insulated.				
	(250/650 Volts grade) single core Solid Copper Conductor of size 1.0 Sq. Mm. (1/18 SWG).				
(a)	With one 5 Amp switch controlling two nos. of light points.	Pts	16.00		
	(Rate in words)				
(b)	With one 5 Amp switch controlling one no. of light points.	Pts	30.00		
	(Rate in words)				

SI No.	Particulars	Unit	Qty.	Rate (Rs.)	Amount
7	5A Plug Point				
	Recessed (concealed) wiring to 5 Amp. 250 Volts 2/3 Pin wall socket with Switch as detailed below in 25/19 mm. outer diameter PVC conduit pipe as per (minimum 1.6 mm wall thickness) with single core PVC insulated, un-sheathed cable of copper conductor of size (1.5 Sq. mm x 2 + 1 sq. mm. x 1) junction box, switch board etc. of 650/1100 Volts grade modular clip-in-type Switches and sockets, G.I. company make boards of appropriate size inside the wall and earth continuity wire of insulated (250/650 Volts grade) single core Solid Copper Conductor of size 1.0 Sq. mm. (1/18 SWG).				
(a)	In existing switch Board	Pts	8.00		
	(Rate in words)				
(b)	Wiring to 5 Amps, 2/3 Pin socket outlet as above on separate switch board.	Pts	8.00		
	(Rate in words)				
8	Supplying of materials and installation of earth electrode for earthing of Main Panel Board made out of 50 mm dia class B. G.I. pipe of 3.00 Mtr. long with arrangements for fitting/wire with G.I. nut bolts & washer including cost of charcoal, salt and foreign soil, water pouring arrangements brick masonry enclosure on top with removable C.I. cover complete with labour for excavation of pit, as per direction and as per IS 3043 - 1998.	Nos.	4.00		
	(Rate in words)				
9	Supplying and laying under ground/floor/walls 8 SWG G.I. wire as earth lead and also making both ends' termination, etc. complete with cost of all materials and labour.	Rmt.	80.00		
	(Rate in words)				
10	Supplying and fixing of Mirror optics (Recessed type) CFL fitting including supply of necessary connecting wire and installation and testing.				
(a)	2 x 18 Watt	Nos.	16.00		
	(Rate in words)				

SI No.	Particulars	Unit	Qty.	Rate (Rs.)	Amount
(b)	2 x 36 Watt	Nos.	2.00		
	(Rate in words)				
11	Supplying and fixing of 2 x 28 Watt TL5 fittings on Wall/Ceiling using wall socket/T.W. round block, connection wire etc. complete.	Nos.	2.00		
	(Rate in words)				
12	Supplying and Fixing of 2 x 28 Watt TL5 fittings to be suspended with 2 Nos. of 20 mm block iron conduits with wall socket/round block as necessary, connection wire and also painting the down road complete.	Nos.	4.00		
	(Rate in words)				
13	Supplying & fixing of Angle Holder fittings with 15 watt CFL Lamp.	Nos	6.00		
	(Rate in words)				
14	Supplying and fixing Exhaust Fan 300 mm dia. Including cutting hole in masonry work and mending good to damages.	Nos.	4.00		
	(Rate in words)				
15	Providing and fixing M.S. fan hooks wherever required complete.	Nos.	10.00		
	(Rate in words)				
16	Supplying and fixing of ceiling fan including supply of modular type Electronic fan regulator on existing board and installation of the same including making connection with connecting wire.	Nos.	8.00		
	(Rate in words)				
17	Supplying & fixing recessed type modular clip in type 15 amp. Plug. Socket on galvanized boxes along with 15 Amp switch. The item to be made recessed in wall. (Aquaguard / Kitchen Gazettes etc.)	Nos.	2.00		
	(Rate in words)				
	Total				