

PRE-BID M.O.M FOR RENOVATION OF 2 BLOCKS OF TYPE-III (Qtr No. 21 to 24 & 25 to 28) AT INDIAN INSTITUTE OF TROPICAL METEOROLOGY, COLONY CAMPUS, DR. HOMI BHABHA ROAD, PASHAN, PUNE-411008

As per tender notice a Pre-Bid Meeting for the subject work held 28.06.2011(1100hrs) in tender opening hall at IITM. The following firms have attended the meeting:

- 1) M/s Baljeet Singh Chaudhary, Pune
- 2) M/s Kishor Bauskar, Pune
- 3) M/s Peter Disousa Engineers & Contractors, Pune
- 4) M/s Techtron Buildcon Pvt. Ltd., Pune

During the discussion the following decisions were taken:

SL. No.	Question raised by the Contractors	Tender Document Reference	Decision Taken
01.	Kitchen Otta	BOQ item No. 30	The description and Quantity of Item No. 30 will be as per revised BOQ.
02.	Removing of Kitchen	BOQ item No. 9	The description of Item No. 9 will be as per revised BOQ.
03.	Removing Shower	BOQ item No. 12(a)	FOR: 16 Nos READ: 8 Nos
04.	Dismantling R.C.C horizontal & vertical shelves partitions of existing cupboards	BOQ item No. 17	FOR: Nos READ: Job
05.	Internal Cement Plaster	BOQ item No. 23	Internal Cement Plaster will be Sanala Finish and the description of Item No. 23 will be as per revised BOQ.
06.	External Cement Plaster	BOQ item No. 24	Internal Cement Plaster will be Sand face finish and the description of Item No. 24 will be as per revised

			BOQ.
07.	Exterior paint	BOQ item No. 37	The description and quantity of Item No. 37 will be as per revised BOQ.
08.	Dismantling the existing light, fans, plug point etc.	Electrical work BOQ item No. 1	FOR: 2 Nos. READ: 1Job The description, quantity and unit of Item No. 1 will be as per revised BOQ.
09.	Dismantling Internal and External existing cables etc.	Electrical work BOQ item No. 2	The description of Item No. 2 will be as per revised BOQ.
10.	Providing, fitting & installing concealed tel points etc.	Electrical work BOQ item No. 7	FOR: 16 Nos READ: 24 Nos
11.	Providing, fitting & installing 32/40 A MCB Isolator double pole etc.	Electrical work BOQ item No. 14	FOR: 24 Nos READ: 16Nos
12.	Fixing existing armored cable	Electrical work BOQ item No. 21	FOR: 50 RM Fixing READ: 67 RM Supply & Fixing The description and quantity of Item No. 21 will be as per revised BOQ.
13.	Supply & fixing on wall or underground ISI mark G.I pipe of 32mm dia etc.	Electrical work BOQ item No. 26	FOR: 6 R.M READ: 8 R.M
14.	REBATE/CREDIT for dismantled material	As per decision taken in pre-bid Meeting	Item no.27 included in BOQ towards REBATE/CREDIT for dismantled material The description, quantity and unit of Item No. 27 will

			be as per revised BOQ.
15.	Bank details	As per decision taken in pre-bid Meeting	Contractor shall provide bank details required for RTG Payment.
<p>NOTE: 1) Contractor shall submit one copy of revised BOQ duly signed and stamped to comply Only without rates along with Technical- Bid.</p> <p>2) Contractor shall submit their Commercial-Bid as per revised BOQ Only.</p>			

**TENDER FOR RENOVATION
OF
RENOVATION OF 2 BLOCKS OF TYPE-III (Qtr No. 21 to 24 & 25 to 28)
AT
INDIAN INSTITUTE OF TROPICAL METEOROLOGY, COLONY CAMPUS, DR. HOMI BHABHA ROAD,
PASHAN, PUNE-411008**

PART - II

**(COMMERCIAL BID)
REVISED BOQ
AS PER PRE-BID MEETING
HELD ON 28.06.2012 AT IITM, PUNE**

**INDIAN INSTITUTE OF TROPICAL METEOROLOGY,
DR.HOMI BHABA ROAD, PASHAN, PUNE-411008**

- NOTE: 1) Contractor shall submit one copy of revised BOQ duly signed and stamped to comply only without rates along with Technical- Bid.
2) Contractor shall submit their Commercial-Bid as per revised BOQ Only.**

Revised BOQ of Renovation of type –III Staff quarters at Indian Institute of Tropical Meteorology (IITM), Pune.

Item no.	Description	Qty	Unit	Rate	Amount
CIVIL WORK					
(A) Dismantling Civil Work					
1	Removing/Taking down existing sand face External wall and ceiling Cement plaster, exposing brick masonry, raking out joints in the masonry including providing necessary scaffolding & disposing of the material beyond PMC limit all as directed by Engineer In charge etc complete.	975.000	Sq.m.		
2	Removing/Taking down existing neeru/sanala finish Internal wall and ceiling Cement plaster, exposing brick masonry, racking joints in the masonry including providing necessary scaffolding & disposing of the material beyond PMC limit all as directed by Engineer In charge etc complete.	2000.000	Sq.m.		
3	Dismantling all R.C.C. Chajja's and lintel beams etc. at G.F. & F.F. including providing necessary scaffolding & disposing of the debris material beyond PMC limit all as directed by Engineer In charge.	50.000	Nos.		
4	Dismantling existing paving/plinth protection including disposing off the material beyond PMC limits all as directed by Engineer In charge etc complete.	26.000	Cu.m.		
5	Dismantling of old wash basins including fitting fixtures etc.& disposing off the debris material beyond PMC limit all as directed by Engineer In charge.	8.000	Nos.		
6	Removing Indian type W.C. pan including disconnecting the sanitary & water supply connection & removing & breaking flooring & bed concrete around pan removing the same carefully and disposing of debris material beyond PMC Limit all as directed by Engineer In charge.	8.000	Nos.		
7	Removing/Taking down Doors & Windows including shutters and disposing of debris material beyond PMC Limit all as directed by Engineer In charge etc complete.				
	(a) Doors	75.000	Nos.		
	(b) Windows	72.000	Nos.		

8	Removing existing Indian patent stone flooring of any thickness without removing bed concrete/Mother slab & disposing off the debris material beyond PMC limit all as directed by Engineer In charge.	430.000	Sq.m		
9	Removing of kitchen otta, R.C.C Shelves and partitions for two blocks total 08 Quarters and disposing of the debris material beyond PMC limit all as directed by Engineer In charge etc complete.	1.000	Job		
10	Dismantling R.C.C. Grills for stair case & disposing off the debris material beyond PMC limit all as directed by Engineer In charge etc complete.	15.000	Sq.m		
11	Dismantling Brick work & disposing off the debris material beyond PMC limit as directed by Engineer In charge etc complete.	34.000	Cu.m		
12	Removing old plumbing fittings and disposing off the dismantled material and debris out of the premises, all as directed by the Engineer In charge.				
	(a) Shower	8.000	Nos.		
	(b) Bibcock/stopcock Wheel valves etc.	32.000	Nos.		
13	Removing old G.I. Pipes 15mm to 40mm diameter concealed or open and disposing off all dismantled material and debris out of the premises, all as directed by Engineer In charge.	330.000	RM		
14	Removing Cast Iron down take vent pipes and etc fittings and disposing off dismantled material and debris out of the premises, all as directed by Engineer In charge.	95.000	RM		
15	Removing existing waterproofing over terrace and toilet/bath at G.F and F.F quarters including scrapping & cleaning the area thoroughly & disposing off the debris material beyond PMC limit all as directed by Engineer In charge.	340.000	Sq.m		
16	Dismantling existing water tank's top slab & side walls by providing required support of scaffolding to slab as directed by engineer in-charge & disposing of the damaged material beyond PMC limit as directed by Engineer In charge.	4.000	Nos.		
17	Dismantling R.C.C horizontal & vertical slab shelves partitions of existing cupboard in rooms for each quarter by providing required support of scaffolding and disposing off of the debris material beyond PMC limit all as directed by Engineer In charge.	8.000	Job.		

	TOTAL	(A)			
	(B) New Civil Work				
18	Excavation in foundation in all types of soil including hard murum, sand, soft rock including shoring, pumping or bailing out water, back filling excavated material in the sides of trenches and / or spreading, leveling surplus earth as directed or disposing of the still surplus earth anywhere in owners boundary with 150 m. lead & depth upto 1.5 m. as directed by Engineer In charge.	11.000	Cu.m		
19	Providing & Constructing 2 nd class Burnt Brick masonry 230 mm thick with conventional / I.S. type Brick, in Cement Mortar (1:6) including striking joints on unexposed faces & raking out joints on exposed face, providing scaffolding for construction, curing etc. complete.	30.000	Cu.m		
20	Providing & constructing 2 nd class Burnt Brick masonry 100mm thick with conventional / I.S. type brick in c.m. (1:4) including providing R.C.C. Bond at 0.9 m interval, striking out joints on unexposed faces & raking out joints on exposed faces, providing scaffolding for construction, curing etc. complete	28.000	Sq.m.		
21	Providing & laying machine mixed plain cement concrete in grade M10 but having volumetric proportion (1:3:6) (Cement:sand:coarse aggregates) of specified thickness mix & gradation & including formwork if required, laying, spreading ramming, curing, etc. for all types of foundations below footings, walls, rafts, etc.complete all as directed by Engineering-in-Charge.	33.000	Cu.m		
22	Providing & Casting in situ RCC M20 of trap/granite /quartzite/gneiss metal for Lintel as per design including formwork, laying, spreading, ramming, compaction, curing & roughening the surface if special finish is to be provided etc. complete.(Excluding steel)	12.000	Cu.m		
23	Providing & applying internal cement plaster 15 mm thick in a single coat in Cement Mortar (1:4) sanala finish over chicken wire mesh to concrete & brick surface in all position including all types of finishing such as cornice, molding, pattas, scaffolding & curing etc. complete as directed.	2000.000	Sq.m		

24	Providing & applying external cement plaster 20 mm thick over chicken wire mesh in double coat. First coat in c.m. (1:4) & Finishing coat in c.m. (1:2) with sand face finish to concrete & brick surfaces in all positions including all types of finishing such as cornice, molding, pattas, scaffolding & curing etc. complete as directed.	990.000	Sq.m		
25	Providing & laying Ceramic tiles of size 450 X450X9mm (make Nitco / Kajaria / Bell) in required position laid on a bed of C:M (1:4) including neat cement float, filling joints with white / coloured cement slurry, cleaning curing etc. complete	345.000	Sq.m		
26	Providing & fixing 450X100 X9mm (make Nitco / Kajaria / Bell) skirting in required position with cement mortar including joint filling with white/coloured cement slurry cleaning curing etc. complete	360.000	R.M.		
27	Providing & fixing 300X300 X7mm antiskid ceramic tiles for flooring in toilets/Bath (make Nitco / Kajaria / Bell) in required position on C.M. (1:4) including neat cement float, filling joints with white / coloured cement slurry, cleaning curing etc. complete.	23.000	Sq.m		
28	Providing & fixing ceramic tiles in dado of size 200mmX 300mmX7 mm in toilets of approved quality & brand (make Nitco/Kajaria/Bell) in required position with cement mortar including joint filling with white/coloured cement slurry cleaning curing etc. complete.	305.000	Sq.m		
29	Providing & laying 60mm thick precast concrete paving blocks including ramming the ground laying ¼” crush metal in required slope ramming the same & laying blocks over it in proper slope & level and cleaning etc. complete.	160.000	Sq.m		
30	Providing & constructing Kitchen platform of 25 mm to 30mm thick high polished Jet Black granite stone slab fixed in C:M. (1:3) granite fascia Patti including providing and fixing S.S. Sink with size 18” x 16” (make Tata / Nirali) L-Shape Kitchen platform size (2.15Mtrs X 0.65Mtrs + 1.10Mtrs X 0.57Mtrs) as per approved sample flat with grating including waste coupling, PVC Waste pipe, up to Nahani trap cutting the plaster wherever required for anchorage of stone slab making good the same as per model flat in required position with cement mortar including joint filling with	26.000	RM		

	white / coloured cement slurry cleaning curing etc. complete.				
31	Providing & laying 20-25mm thick readymade edge cutting and polished Kota stone flooring slabs with cement mortar 1:4 bedding and jointed with gray cement slurry mixed with pigment to match the shade of the slabs, including rubbing, cleaning curing as per model flat etc. complete.	32.000	Sq.m		
32	Providing & laying 20-25mm thick readymade cut and polished Kota stone riser and threads including chamfering etc in cement mortar 1:4 and jointed with gray cement slurry mixed with pigment to match the shade of the slabs, including rubbing, cleaning curing as per model flat etc. complete.	18.000	Sq.m		
33	Providing & fixing MS Grill of approved design as per model flat including 1 coat of primer and 2 coats of enamel paints etc. complete.	175.000	Sq.m		
34	Providing & fixing M.S. grilled panel door at entrance of staircase & at fr.fl staircase lobby with mosquito net including one primer & two coats of enamel paint as directed by engineer in-charge with all leads, lifts as per model flat etc. complete.	7.000	Sq.m		
35	Providing & 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 and grouting a slurry coat of neat cement using 3.15 Kg/sq.m. of cement admixed with proprietary water proofing compound conforming to IS:2645 over the RCC slab including cleaning the surface before treatment. b)Laying cement concrete using broken bricks / brick bats 25 mm to 100 mm size with 500% of cement mortar 1:5 (1 cement : 5 coarse sand) admixed with proprietary water proofing compound conforming to IS:2645 over 20 mm thick layer of cement mortar of mix 1:5 admixed with proprietary water proofing compound confirming to IS:2645 to required slope and treating similarly the adjoining walls upto 300 mm height including rounding of	337.000	Sq.m		

	<p>junctions of walls and slabs.</p> <p>c)After two days of proper curing applying a second coat of cement slurry admixed with proprietar</p> <p>d)Finishing the surface with 20 mm thick joint less cement mortar of mix 1:4 (1 cement:4 coarse sand)admixed with proprietary waterproofing compound conforming to IS:2645 and finally finishing the surface with trowel led with neat cement slurry and making of 300 x 300 mm square</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>				
36	<p>Providing & fixing colour glazed earthenware wash hand basin of size 18" x 12" with water pillar cock, brackets rubber plugs & stop cock & necessary pipe connections including PVC waste pipe upto the outside face of the wall etc complete. [Make:Parryware/Cera/Simplo]</p>	8.000	Nos.		
37	<p>Providing & applying acrylic base antifungal weather proof exterior Paint APEX with two and more coats over external sand faced plastered finish walls including preparation of surfaces etc complete. [Make: Asian/Burger/Nerolac]</p>	1000.000	Sq.m		
38	<p>Providing & applying of 1st quality washable Oil Bond distemper (O.B.D) (readymade) applying standard quality cement primer and putty of approved manufacturer preparing surface by rubbing zero no. sand paper & applying standard quality paint of required shade and colour complete as directed manufacturers specification as per model flat etc. complete.[Make: Asian/Burger/Nerolec]</p>	1500.000	Sq.m		
39	<p>Providing & applying Synthetic Enamel Paint (Oil Paint) to ceillings, walls including applying standard quality primer and putty of approved manufacturer preparing surface by rubbing zero no. sand paper & applying standard quality paint of required shade and colour complete as directed manufacturers specification as per model flat etc. complete.[Make: Asian/Burger/Nerolec]</p>	175.000	Sq.m		

40	Providing & fixing 40 mm thick readymade edge cut and both side polished kaddappa stone slabs for shelves and cupboards fixed in cement including making grooves in the wall cleaning curing etc complete as per model flat.	32.000	Sq.m		
41	Providing window sills, jams & lintel bottom in 20mm thick granite patti in stepping manner with chamfered edge polishing on both side faces as per model flat & on a bed of C.M.(1:2) & applying adhesive for anchorage including cement float filling joints with slurry, curing polishing & cleaning curing etc complete.	115.000	Sq.m		
42	Providing and Fixing TMT steel reinforcement including cutting , bending, hooking, binding with steel wire, placing in position steel reinforcement for RCC lintel, chajja work at all level with chair, supports, cover etc. complete.	1010.000	KG		
43	Providing & fixing chicken wire mesh over external / internal walls to receive cement plaster in all position including nailing, scaffolding as directed by engineer in-charge with all leads, lifts etc. complete.	2970.000	Sq.m		
44	Providing & fixing in position Indian type virtuous China orrisa W.C. Pan, with P trap brick masonry around the pan including 10 litre flushing cistern of standard make flush pipe from tank to inlet connector as per model flat etc. complete.[Parryware/Cera/Simplo]	8.000	Nos.		
45	Raising of existing Chamber of approximate size 900 mmX600mm with brick masonry internal and external neat finish cement mortar plaster & IPS in the bottom with half round channel, hunches etc. & externally finished with rough cement plaster in c.m. (1:4) in single coat with R.C.C. Manhole cover with frame, refilling etc. complete.	4.000	Nos.		
46	Providing & fixing 150X100 mm S.W. gully trap in brick masonry chamber with 1:3:6 P.C.C. 100 mm thick, chamber finished externally with cement plaster (1:4) 230X300 with cover & frame etc. complete	8.000	Nos.		
47	Providing, fixing & jointing C.I.Soil pipes of heavy quality Indo Swedish or equivalent make with fitting such as plug or plain bends of sets, tees, cowls with cement joints & heavy clamps & making holes in walls & floors, testing to joints rectifying of leakage etc. complete.				
	a) 100mm dia C.I. waste pipe	31.000	RM		

	b) 75mm dia C.I. waste pipe	88.000	RM		
48	Providing, fixing & jointing 65mm dia PVC pipes with fitting such as plug or plain bends of sets, tees joints & heavy clamps & making holes in walls & floors, testing to joints rectifying of leakage etc. complete. [Supreme/Prince/Astron]	12.000	RM		
49	Providing & fixing 75 mm dia Nahani traps with C.P. grating on top as per model flat etc. complete.	24.000	Nos		
50	Providing, laying, jointing, fixing & testing G.I. 'C' class (make Swastik TT / Zenith/ Sidharath / equivalent) with G.I. tested fittings or laid underground with necessary excavation, refilling & leveling & fitting heavy clamps & making holes in walls & floors, testing to joints rectifying of leakage etc. complete.				
	a) 40 mm dia	14.000	RM		
	b) 25 mm dia	62.000	RM		
	c) 15 mm dia	258.000	RM		
51	Providing & fixing various types of valve & cocks & other fittings as per model flat etc complete.				
	a) 15 mm dia C.P. Stop cock	24.000	Nos		
	b) 15 mm dia C.P. Pillar cock	8.000	Nos		
	c) 15 mm dia C.P. Shower	8.000	Nos		
	d) 15 mm dia C.P. Bib cock	8.000	Nos		
	e) 15 mm dia C.P. Long body bib cock	16.000	Nos		
	f) 15 mm dia C.P. Mixer cock	8.000	Nos		
	g) 15mm patti gate valve	12.000	Nos		
	h) 25mm patti gate valve	8.000	Nos		
	i) 40mm patti gate valve	4.000	Nos		
52	Providing & fixing in position anodized (as per I.S. 1868/1982 aluminum sliding black powder coated window of three track with all necessary sections fixtures & fastenings in	60.000	Sq.m		

	nylon casing & self locking latch fitted in vertical section, shutters including 4 mm thick plain glass and mosquito net with all required screws, nuts, fittings & fixture etc. complete as per model flat all as directed by Engineer-In-charge.				
53	Providing & fixing in position anodized (as per I.S. 1868/1982 aluminum louvered black powder coated window with all necessary sections fixtures & fastenings in nylon casing & self locking latch fitted in vertical section, shutters including mosquito net with aluminum frame and all required screws, nuts, fittings & fixture etc. complete as per model flat all as directed by Engineer-In-charge.	7.000	Sq.m		
54	Providing & fixing in position anodized aluminum black powder coated fixed window including all necessary section fixtures & fastening including 4 mm thick plain glass with provision for Exhaust fan complete as per model flat and all as directed by Engineering-in-charge.	3.000	Sq.m		
55	Providing and fixing 300 mm radius marble piece at corner in bath and kitchen including making groove in walls & fixing in cement mortar (1:2) and finishing with white cement as per model flat.	16.000	Nos		
56	Providing & Fixing flush Doors with T.W. frames (Frames size 125mm x 75mm) fixed with 6 no. of hold fast in walls, including primer coat with side hung solid core panel bonded block board flush door of 30 mm thick with teak lipping including three coats of enamel paint with three 100 mm hinges & all necessary C.P. fittings such as aldrops-1, tadipatti-1, tower bolt-1, Hinges-3, door stopper-1 & handles-2 to each door as per model flat etc complete.	63.000	Sq.m		
57	Providing & fixing latch of standard make of europa to main door with separate eye view, safety chain as per model flat etc complete.	8.000	Nos		
58	Providing & fixing Granite stone frame made in granite slab of 18mm thk. granite patti in stepping manner with chamfered edge polishing on both side faces as per model flat & on a bed of C.M. (1:2) & applying adhesive for anchorage including cement float filling joints with slurry, curing polishing & cleaning curing etc complete with PVC door (make Sintex) at	16.000	Nos.		

	toilet & bath block as directed by engineer in-charge with all leads, lifts as per model flat etc. complete.				
59	Providing & fixing in position openable 30mm thick wooden mosquito net shutters in main door opening & in balcony door opening as per detailed drawing & with all necessary sections, fixtures & fastenings & self closing hinges fitted in vertical section of shutter including accessories such as aldrop -1, tadipatti-1, tower bolt-1, Hinges-3, door stopper-1 & handles-2 to each door as per model flat etc complete.	22.000	Sq.m		
60	Providing & fixing Doors for cupboard with T.W. frame of size 75 mm x 50 mm with good quality 18mm ply wood shutter with TW lipping, externally finished with lamination & internally painted with white enamel including necessary C.P. fittings such as hinges-6, door closer magnet-2, C.P. cloth hanger rod-1, Handles-2 & lock-1 as per model flat etc. complete	41.000	Sq.m		
61	Providing & fitting PVC double layered water tanks with a capacity of 2000 ltr including necessary inlet/outlet, wash outlet, ball cock & over flows pipes, G.I. connections fitting etc completed as directed & as per model flat etc complete.	4.000	Nos		
62	Providing & fitting Stainless steel Curtain rods with end caps to doors & windows opening in position with all required screws, nuts, fittings & fixture etc. complete as per model flat all as directed by Engineer-In-charge.	82.000	RM		
63	Providing & fitting Mirror with Cabinet near Wash basin in position with all required screws, nuts, fittings & fixture etc. complete as per model flat all as directed by Engineer-In-charge.	8.000	Nos.		
64	Providing & fitting Wooden batten with J hooks for Cloth drying in position with all required screws, nuts, fittings & fixture etc. complete as per model flat all as directed by Engineer-In-charge.	8.000	Nos.		
65	Providing & fitting C.P. finish make Jaguar/Essco/Metro/Parryware, Bathroom/toilet accessories & fittings in position with all required screws, nuts, fittings & fixture etc. complete as per model flat all as directed by				

	Engineer-In-charge.				
	a) Towel Rod	8.000	Nos.		
	b) Ring to hold towel	8.000	Nos.		
66					
	TOTAL (B)				
	(C) ELECTRIC WORK Concealed Electric Wiring Work				
1	Dismantling the existing light, fans, plug points with VIR/PVC wire in casing capping, PVC or TW batten complete with fitting such as batten holder, ceiling rose, switches, and disposing off the dismantled material and debris out of the premises for two blocks (08Quarters) , all as directed by the Engineer In charge.[Note: Electrical fitting such as Fan, Fan regulator and tube light and its fittings will removed taken over by the Institute.]	1.00	Job		
2	Dismantling Internal and External existing cables & mains of all types & sizes & refilling holes with cement mortar & finishing in an approved manner for two blocks (08Quarters) as directed by engineer in-charge as per model flat etc. complete.	1.00	JOB		
3	Providing, laying, fitting & installation concealed electric wiring Light point with making groove in wall, PVC conduit pipe, 2X1.0 sq.mm. Finolex /Popycab / RPG make copper conductor multi strand FR wires with angle holder/ batten holder/ceiling rose & with Roma Anchor /Vinay /Harrison make switches including 1X1.0 sq.mm. Finolex /Polycab / RPG make copper conductor multi strand FR wire for earthing all along the length of point as directed by engineer in-charge with all leads, lifts as per model flat etc. complete.	103.00	Nos.		
4	Providing, laying, fitting & installation concealed electric wiring for 6 A plugs & switch point make Roma Anchor /Vinay /Harrison 2X1.5 sq.mm. Finolex /Polycab / RPG make copper conductor multi strand FR wires including 1X1.0 sq.mm. Finolex /Polycab / RPG make copper conductor multi strand FR wire for earthing all along the length of point as directed by engineer in-charge with all leads, lifts as per model flat etc. complete.	179.00	Nos.		

5	Providing, laying, fitting & installation concealed electric wiring for 6/15 A plug & switch point make Roma Anchor /Vinay /Harrison with 2X2.5 sq.mm. Finolex /Polycab / RPG make copper conductor multi strand FR wires including 1X1.0 sq.mm. Finolex /Polycab / RPG make copper conductor multi strand FR wire for earthing all along the length of point as directed by engineer in-charge with all leads, lifts as per model flat etc. complete.	24.00	Nos.		
6	Providing, laying, fitting & installation concealed electric wiring for Two way Light/Fan point/Bell point make Roma Anchor /Vinay /Harrison with making groove in wall, PVC conduit pipe, 2X1.5 sq.mm. Finolex /Polycab / RPG make copper conductor multi strand FR wires with angle holder/ batten holder/ceiling rose including 1X1.0 sq.mm. Finolex /Polycab / RPG make copper conductor multi strand FR wire for earthing as directed by engineer in-charge with all leads, lifts as per model flat etc. complete.	57.00	Nos.		
7	Providing, fitting & installation concealed electric Tel point as directed by engineer in-charge with all leads, lifts as per model flat etc. complete.	24.00	Nos.		
8	Providing, Supplying & installing T V point as directed by engineer in-charge with all leads, lifts as per model flat etc. complete.	8.00	Nos.		
9	Providing, laying & fitting concealed electric wiring for circuit with making groove in wall, PVC conduit pipe, 2X2.5 sq.mm. Finolex /Polycab / RPG make copper conductor multi strand FR wires with connection at both ends including 1X1.0 sq.mm. Finolex /Polycab / RPG make copper conductor multi strand FR wire for earthing all along the length of point as directed by engineer in-charge with all leads, lifts as per model flat etc. complete.	683.00	R.M.		
10	Providing, laying & fitting concealed electric wiring for circuit with making groove in wall, PVC conduit pipe, 2X4.0 sq.mm. Finolex /Polycab / RPG make copper conductor multi strand FR wires with connection at both ends including 1X1.0 sq.mm. Finolex /Polycab / RPG make copper conductor multi strand FR wire for earthing all along the length of point as directed by engineer in-charge with all leads, lifts as per model flat etc. complete.	209.00	R.M.		

11	Providing, laying & fitting concealed TV Cable with making groove in wall, PVC conduit pipe, Finolex / Polycab / RPG make with connection at both ends as directed by engineer in-charge with all leads, lifts as per model flat etc. complete.	120.00	R.M.		
12	Providing, laying & fitting concealed Tel Cable with making groove in wall, PVC conduit pipe, Finolex / Polycab / RPG make with connection at both ends as directed by engineer in-charge with all leads, lifts as per model flat etc. complete.	240.00	R.M.		
13	Providing, fitting & installation on wall MCB Distribution Board suitable for 12 MCB's as per requirement, fitted with bus bar, electric circuit breaker make MDS / INDOASIAN / as directed by engineer in-charge with all leads, lifts as per model flat etc. complete.	8.00	Nos.		
14	Providing, fitting & installation 32/40 A MCB Isolator double pole as per requirement, electric circuit breaker make MDS / INDOASIAN / as directed by engineer in-charge with all leads, lifts as per model flat etc. complete.	16.00	Nos.		
15	Providing, fitting & installation 10/15/20/32/40 A MCB single pole as per requirement, electric circuit breaker make MDS / INDOASIAN / as directed by engineer in-charge with all leads, lifts as per model flat etc. complete.	90.00	Nos.		
16	Supplying & fixing Ding dong bell Anchor make cat no. 8057 on teak work/ sunmica top board as directed by engineer in-charge with all leads, lifts as per model flat etc. complete..	8.00	Nos.		
17	Supplying & fixing ceiling fans Crompton / Bajaj / Usha make with 1200 mm sweep, double ball bearing type, white/ brown colour. Considering the height of the ceiling contractor will have to provide the fan rod of appropriate length made from MS conduit pipe as directed by engineer in-charge with all leads, lifts as per model flat etc. complete..	24.00	Nos.		
18	Supplying, fixing & connecting on wall over PVC block prewired single tube light fitting Wipro/ Philips/ Bajaj make with low loss choke, starter, condenser as directed by engineer in-charge with all leads, lifts as per model flat etc. complete.	36.00	Nos.		

19	Providing, Supplying & installing Elect Exhaust fan including wiring with socket ,Crompton /Bajaj / Usha make white/ black colour in Kitchen room as directed by engineer in-charge with all leads, lifts as per model flat etc. complete.	8.00	Nos.		
20	Providing & Fixing 18mm thk plywood board as Meter board in meter room with TW lipping, finished with white enamel painting as directed by engineer in-charge as per model flat etc. complete.	2.00	Nos.		
21	Supply and Laying armored cable from electric pole to the meter room as directed by engineer in-charge as per model flat etc. complete.	67.00	R.M.		
22	Providing, fitting & installing 32/63-400 Kikat switch in meter room as directed by engineer in-charge as per model flat etc. complete.	6.00	Nos.		
23	Providing, fitting & installing 100 A Bus bar in meter room as directed by engineer in-charge as per model flat etc. complete.	2.00	Nos.		
24	Providing & Earthing with G.I. earth plate of size 600x600x6mm with 25x3 mm GI strip as an earth conductor in 2 mtr deep & 1mtr wide pit with 3/4" G.I. pipe for watering refilling the pit with 30 kg charcoal & 30 kg salt including construction of cement concrete chamber with C.C. cover & funnel for watering as directed by engineer in-charge as per model flat etc. complete.	2.00	Nos.		
25	Supplying & fixing on wall or underground GI earth strip of size 25 x 3 mm in 2 nos. earth conductor as directed by engineer in-charge as per model flat etc. complete.	10.00	R.M.		
26	Supplying & fixing on wall or underground ISI mark GI pipe of class "C" of 32mm dia & also to lay earth strip of size 25 x 3 mm in 2 nos. earth conductor as directed by engineer in-charge as per model flat etc. complete.	8.00	R.M.		
	TOTAL-C				
27.	(D) REBATE OFFERED: Credit for dismantled material				
	a)Reinforced MS Steel bars	500.00	Kg		
	b)Wash Basin	8.00	Nos		
	c)WC Orissa Pan	4.00	Nos		
	d)Doors	78.00	Nos		
	e)Windows	125.00	Nos		

f)Showers	8.00	Nos		
g)Bibcock/Stopcock/Wheel valves	32.00	Nos		
h)G.I Pipes various dia 15-40 mm	300.00	Nos		
i)C.I Pipes various dia 75-100mm	100.00	RM		
TOTAL-D				
TOTAL (A+B+C-D)				