



BOQ FOR ELECTRICAL INSTALLATION WORKS FOR RENOVATION WORK OF 8TH FLOOR, SBI , LOCAL HEAD OFFICE BUILDING, PATNA

PRICE BID

ANNEXURE-III

SL. NO.	ITEM OF WORK	UNIT	QTY	RATE	AMOUNT
SUB HEAD - I (WIRING)					
1	Point wiring with 1100 V grade 3 nos. single core 1.5 sq.mm.FR and 1.5 sq.mm.for earth PVC insulated stranded copper conductor wire (IS:694) through suitable size MS conduit (ISI marked)by thread cutting, complete with junction box, circular box, elbows, bends, couplers and other accessories on surface above false ceiling or concealed by chase cutting on wall from light & fan switch board to light, fan & 6A socket outlet on the same switch board or separately mounted switch board. The work includes supply and fixing of all materials such as modular type 6A switch for light and fan point, 6A 2/3 pin shuttered socket outlet with switch in each switch board for wall fan , 3 plate ceiling rose / angle or batten holder etc. as required. The point wiring also includes circuit wiring with 1100 V grade 2 nos. single core 2.5 sq.mm.FR + 1 no. single core 1.5 sq.mm.FR PVC insulated stranded copper conductor cable (IS:694) through suitable size MS conduit as described above from DB to switch board, interconnection, mending good all damages to original finish, painting etc. (maximum ten switch for one circuit)				
a	1 Light control & ,ceiling fan ,exhaust fan by 1 switch	Each	88		
b	2/3 Light control by 1 switch	Each	10		
c	Wall fan point for Customer Area with 6A 5 pin modular socket & 5/6 amps modular switch	Each	40		
2	Supply & fixing suitable size GI box with modular plate and cover in front on surface/ in recess i/c pvdg & fixing 5 pin 5/6 amp modular socket outlet and 5/6 amps modular switch, connection, painting etc as reqd.	Set	40		
3	Supply ,installation ,testing and commissioning of distribution board manufactures made sheet steel enclosure With the following MCBs (DB, MCB and MCCB approved make) and connecting the same to the system.Make - Legrands/ Havells/L&T/SIEMENS/ABB/Schneider Electric/Hager or equivalent)				
a	DB with 25 A DP RCCB (30mA to 100 mA), AC Socket & Top for AC complete in all respect	Each	8		
4	Wiring in MS conduit of IS specification of Proper size with core PVC insulated stranded copper wire 1.1KV grade FRLS/FR-LSH (Finolex/Havells/Polycab/ RR Kabel/ Richa/KEI or equivalent) and with supply ,installation, commissioning of all the materials required including proper termination, connection in complete as required from main DB to various DBs of approved Make:-				
a	With 2 nos. 4 Sq.mm + 1 no. 4 Sq.mm. (green colour for earth) PVC insulated copper wire in MS conduit for AC(1.0/1.5 Tr) Wiring or as per site requirement.	Mtr.	160		
5.a	Sub Main Wiring from LT Panel to Light D.B, from LT Panel to UPS charging & UPS Panel to UPS D.B. with 4 x 10 sqmm FR PVC insulated copper conductor single core cable in surface/ recessed MS conduit / MS Casing along with 1 x 6 sq mm FR PVC insulated copper conductor single core cable for loop earthing as required. The rate should be quoted considering wastage. The measurement shall be taken to the place where the wire start and end.	Mtr.	185		

5.b	Sub Main Wiring from LT Panel to Light D.B, from LT Panel to UPS charging & UPS Panel to UPS D.B. with 2 x 10 sqmm FR PVC insulated copper conductor single core cable in surface/ recessed MS conduit / MS Casing along with 1 x 10 sq mm FR PVC insulated copper conductor single core cable for loop earthing as required. The rate should be quoted considering wastage. The measurement shall be taken to the place where the wire start and end.	Mtr.	235		
5.c	Sub Main Wiring from LT Panel to Light D.B, from LT Panel to UPS charging & UPS Panel to UPS D.B. with 3.5/4X35 Sq. mm Armoured Au Cable on surface FR PVC insulated Au conductor 3.5/4 core cable for loop earthing as required. The rate should be quoted considering wastage. The measurement shall be taken to the place where the wire start and end.	Mtr.	155		
6	Supply & fixing suitable size GI box with modular plate and cover in front on surface/ in recess i/c pvdg & fixing 6 pin 15/16 amp modular socket outlet and 15/16 amps modular switch, connection, painting etc as reqd. with Circuit wiring with 2 x 2.5 sqmm FR PVC insulated copper conductor single core cable surface/ recessed MS conduit along with one no 1.5 sq mm FR PVC insulated copper conductor single core cable for loop earthing as required. With. The FIXING SHOULD BE AT height 1 ft 6 inch from the floor. Blower Point-6,Water Point-1	Each	55		
7	Supply & fixing remote controlled call bell buzzer suitable for 230 V AC/ Battery operated with remote type bell push as reqd.	nos.	8		
8.a	Supply & fixing of computer point with 3 no. 5 pin 5/6 amp modular socket with modular type 10 amp switch for UPS Power phenolic laminated sheet suitable size PVC/G.I. box for RAW Power. As per instruction of Bank/Ele.Er./as required including their wiring for UPS as well as RAW Power socket for computer with 3 x 2.5 sqmm FR PVC insulated copper conductor single core cable in surface/ recessed MS conduit as required.	Each	125		
8.b	Supply & fixing of computer point with 2 no. 5 pin 5/6 amp modular socket with modular type 10 amp switch phenolic laminated sheet suitable size PVC/G.I. box for RAW Power. As per instruction of Bank/Ele.Er./as required including their wiring for UPS as well as RAW Power socket for computer with 3 x 2.5 sqmm FR PVC insulated copper conductor single core cable in surface/ recessed MS conduit as required.	Each	125		
9	Supply & fixing of computer point with 3 no. 5 pin 5/6 amp modular socket with 1 nos 15 amp modular type switch for UPS Power. As per instruction of Bank/Ele.Er./as required including their wiring for UPS as well as RAW Power socket for NETWORK SWITCH, CCTV & FIRE ALARM SYSTEM with 3 x 2.5 sqmm FR PVC insulated copper conductor single core cable in surface/ recessed MS conduit as required. The circuit wiring is to be done from UPS PANEL till the location of NETWORK SWITCH, CCTV & FIRE ALARM SYSTEM & connected to 6/10amp mcb mentioned in SUB HEAD II point no-4.	Each	4		
10	Supply & fixing of approved EPBAX and Phone make including square face plate and M.S. housing box with RJ-11 socket etc complete in all respect conduits as required.(Each Section Head work station have 2 no. of RJ 11 Socket) with Supplying and drawing 2 pair 0.5 sqmm FR PVC insulated annealed copper conductor, unarmored telephone cable in MS conduit as required.	Each	115		
11	Supply & fixing of 10pairs MDF box with crone termination	Each	2		
12	Supply & fixing of wiring of 2X2.5 sq. mm +1*1 sq.mm earthing from main panel to glow sign board with MS pipe and fittings etc. 16 A Dp mcb with timer.	Each	1		

13	Supply & fixing of approved make LAN/ Networking Cabling with GBPS Switch and Suitable Rack, patch cable and Cable manager including square face plate and PVC housing box with RJ-45 socket etc complete in all respect conduits/ trunking (if Floor in MS and if surface in MS/ PVC as required.(Each Section Head work station have 2 no. of RJ 45 Socket) rest work station/ Printer Location/ Biometric point - each 1 RJ 45 Socket with complete Set with Supplying and drawing/ layinh with CAT 6 copper unarmored cable in MS conduit/ Trunking, if in Floor then MS Trunking as required.	Each	165		
TOTAL SUB HEAD-I					
SUB HEAD - II (DISTRIBUTION BOARDS & PANELS)					
1	Supplying & Fixing following ways three pole and neutral sheet steel MCB DB, 415 volts on surface/ recessed complete with tinned copper busbar, neutral busbar, earth bar din bar detachable gland plate interconnections, phosphatised and powder painted i/c earthing etc as reqd. (But without MCB / RCCB/Isolator)				
A	6 way double door TPN DB. FOR UPS - 8 DB , RAW Power LIGHT DB -1 DB	Each	9		
B	8 way double door TPN DB. FOR RAW Power LIGHT DB -8 DB	Each	8		
2	Supply & fixing 5 amps to 32 amps rating 240 V 'C' series MCB suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc as reqd.				
	a) 6/10 A 10 KA SP MCB "B"	Each	286		
	b) 25A DP RCCB	Each	51		
	C) 63/100 A 10 KA 4P MCB "C" with Suitable MS Box/ Casing	Each	17		
TOTAL SUB HEAD-II					
SUB HEAD - III (SUPPLY OF FIXTURES & FANS)					
1	Supplying, installation, testing & fixing of 9W LED BULB WITH batten HOLDER suitable for indoor application.	Each	10		
2	Supplying, installation, testing & fixing of 2'X2' 36W LED Panel light CRCA white powder coated housing with ABS plastic bottom frame with electronic driver duly wired up to the terminal block, luminaire suitable for armstrong ceiling and grid ceiling complete with separate electronic driver.As approved make by Electrical consultant/architect etc as reqd.	Each	10		
3	Supplying, installation, testing & fixing of recess mounted circular LED (dia-6") downlighter 9/12 Watt LED suitable for armstrong ceiling and grid ceiling complete with separate electronic drive/approved make by architect/Ele.Consultant etc as required.	Each	25		
4	Supplying, installation, testing & fixing of 1X36 W LED tube light fitting powder coated batten with PC tube	Each	10		
5	Supplying, installation, testing & fixing of Exhaust fan 300 mm sweep HEAVY DUTY EXHAUST make- CROMPTON / approved equivalent. (UPS ROOM, TWO TOILETS)	Each	4		
6	Supplying, installation, testing & fixing of oscillating and tilting type Metal body wall mounted fan of 450 mm sweep, 1300 to 1500 rpm , fixing the same on wall, connection with 1.5 sqmm PVC insulated copper conductor, testing, commissioning etc as required.	Each	46		
TOTAL SUB HEAD-III					
SUB HEAD - IV (SUPPLY & MAKING OF EARTHPIITS, REMOVING OF ITEMS, RUBBER MAT)					

1	Providing chemical/mineral maintenance free earthing system comprising of copper coated earth electrode 3 metre length and 50 mm outer dia along with 50 kg earth conductivity enhancing back fill mineral compound for earth inspection pit etc. as required. OR Earthing with copper earth plate 600 mm X 600 mm X3 mm thick including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe 2.7 metre long etc.with charcoal / coke and salt as required.	Set	2		
2	S/L 4 mm dia copper wire on surface or in recess as reqd.	Mtr.	266		
3	High voltage insulation rubber mat are relatively thin mats of thickness 10mm made of elastomeric polymers materials having a high insulation resistance, thus imparting total safety of human being from any leakage current.(UPS Room)	Sqft	12		
TOTAL SUB HEAD-IV					
SUB HEAD - V (FLOOR RACEWAYS)					
1	S & I of floor - raceways consisting of 2 Nos of 3" x 1.5"x 3mm thick rectangular aluminium anodized box sections including chasing and refilling as per the route shown in the drawing and as approved by consultant at site including clamping at every open pipe ends by suitable plastic end covers against entry of dust or anyother foreign material.	Mtr.	500		
2	S & I of galvanised floor junction boxes with SS brushed finish 14 SWG (2mm Thick) cover properly fixed with screws, for above mentioned raceways , of size 300mm x 300mm x 2.5 mm depth, fabricated out of 2.5 mm thick G.I. sheet with proper cutouts on the sides for pipe entry & screwed top cover with rubber gasket and suitable knockouts for flexible conduit outlets as per the layout.	Each	75		
TOTAL SUB HEAD-V					
BRANCH					
A.	SUB HEAD-I (WIRING)				-
B.	SUB HEAD-II (DISTRIBUTION BOARDS & PANELS)				-
C.	SUB HEAD-III (SUPPLY OF FIXTURES & FANS)				-
D.	SUB HEAD-IV (SUPPLY & MAKING OF EARTH PITS, REMOVING OF ITEMS, RUBBER MAT)				-
E.	SUB HEAD-V (FLOOR RACEWAYS)				-
GRAND TOTAL (A+B+C+D+E)					
-					
G.S.T(Extra as applicable)					
NOTE:-					
1. The Circuit wiring of Switch board in Strong Room is to be connected through 15 AMP top outside strong room with ALARM SYSTEM is to be done from UPS Panel.					
DB'S should be done.					
4. Vendor has to quote final rate after discount/less.					
5. AS PER DIRECTIVES OF MINISTRY OF ENERGY -LED LIGHTS , CEILING FANS MANDATORILY SHOULD BE 5 STAR RATING APPLIANCES. VENDOR SHOULD QUOTE THE RATE FOR 5 STAR RATING APPLIANCES ONLY.					