

SBI INFRA MANAGEMENT SOLUTIONS PVT. LTD.

(A Wholly Owned Subsidiary of SBI)

CIRCLE OFFICE

SBI Local Head Office, 4th Floor, III/1 Pandit Jawaharlal Nehru Marg, Bhubaneswar- 751001

Part – II

(Price Bid)

**TENDER FOR ELECTRICAL AND ALLIED WORKS OF SBI RANGABAZAR BRANCH UNDER  
RBO-1, BHUBANESWAR**

Tender reference No: **BHU202001031**

(Not to be filled by the Bidder, Rate to be quoted Online)

Note: Bank's (LHO, Bhubaneswar) approved Electrical contractor under LT category- up to 10 lacs and above only eligible to participate in this tender. Vendor/Contractor should possess valid digital signature for this e-tender.

ELECTRICAL AND ALLIED WORKS FOR SBI RANGABAZAR BRANCH UNDER RBO-1, BHUBANESWAR					
Sr. No.	DESCRIPTION	QTY	UNIT	RATE (In Rs)	AMOUNT (In Rs)
NOTE : ALL CHARIS OR CHASES IN WALLS / COLUMNS / SLABS MADE BY THE ELECTRICAL CONTRACTOR FOR INSTALLATION OF CONDUITS / S.B. / BOXES ETC. THE FILLING OF THE SAME IS IN THE SCOPE OF THE ELECTRICAL CONTRACTOR INCLUDING ALL NECESSITY MATERIAL AND LABOUR.					
A)	<b>DISTRIBUTION BOARD AND PANELS :</b>				
1)	Main Panel Board: Supply, fabrication and installation of L.T distribution Panel of wall mounting Type and made of CRCA M.S Sheet of Thickness 16 SWG properly painted with 2 coats of primer & 2 coats of enamel paints having compartmental arrangement with hinged door for each equipments including provision of cable entry, earthing stud & duly factory wire with following equipments & making good to the damages caused etc. complete in all respect. ( MCB & MCCB: should be of Schneider / Hager / Legrand / Siemens / L&T make				
	<b>Incoming:</b>				
	1 No. 125A, FP, 36kA / 50kA, MCCB with Thermal Magnetic release, of approved make and operating handle. The Breaker shall be suitable for 415 Volts 50 Hz., AC supply. The breaker shall have breaking capacity of 36kA / 50kA for 1 Sec. as required. (Schneider / Hager / Legrand / Siemens / L&T make)				
	63A, 4 pole onload change over with 6 Nos 2 Amp SP MCB with 6 Nos of Phase LED Indications ( RYB Colour) for Identification of Main Grid Supply/DG Supply " ON " and neat marking thereof. -1 Set				
	1 Set of 150 Amps uniformly rated, continuous duty, 415V AC, 3-Phase & Neutral electrolytic grade 99.95% Purity Tinned Copper bus-bars with colour coded heat sink sleeves supported on SMC type grip supports. The Horizontal / Vertical sections of the busbars should all be uniformly rated for 150 Amps.				
	1 Set of 125 Amps uniformly rated, continuous duty, 415V AC, 3-Phase & Neutral electrolytic grade 99.95% Purity Tinned Copper bus-bars with colour coded heat sink sleeves supported on SMC type grip supports. The Horizontal / Vertical sections of the busbars should all be uniformly rated for 100 Amps.				
	Multi function Digital volt meter- 1 No and ammeter -1 No and CTs of suitable rating and with phase indicating lamps.				
	<b>Out going:</b>				
	63 Amp 4P MCB for -AC				
	40/63A DP MCB- 6 Nos (UPSDB, LDB, RBD & ATM Spare-2 No)				
	16/20A DP MCB – 1No's including Timer for Glow Signboard in separe chamber				
	Full Set As above complete in all respect.	1	Set		
2)	Supply, installation, testing & commissioning of 125A IC TPN SFU with 125A HRC fuses 415 V 3 phase & neutral 50 c/s AC23 duty on MS angle iron frame fabricated out of MS angle duly painted with cable end boxes, earthing, name plate danger board fixing accessories etc.	1	No		
3)	Supply and installation of 8-way, SPN, Double Door, Metal type, ( legrand make Ekinox3 model or equivalent make as approved by SBIIMS), Distribution Board (of RAW DB-2 Nos) surface / flush mounted on wall, interconnected wiring complete with earthing lugs, including DB wiring, dressing with ferruling, termination of circuits with ping type copper lugs, blank plates & making good to the damages caused etc. housing following switchgears : ( MCB: Schneider / Hager / Legrand / Siemens / L&T make.				
	incoming : 32A, DP MCB- 1 NO				

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Sr. No.	DESCRIPTION	QTY	UNIT	RATE (In Rs)	AMOUNT (In Rs)
	outgoing : 10/16/20A, SP, MCB - 6 NOs All MCB must be class C Type				
	Full Set As above	2	Set		
4)	Supply and installation of 12-way, SPN, Double Door, Metal type, ( legrand make Ekinox3 model or equivalent make as approved by SBIIMS), Distribution Board (of Light& UPS DBs-2 Nos) surface / flush mounted on wall, interconnected wiring complete with earthing lugs, including DB wiring, dressing with ferruling, termination of circuits with ping type copper lugs, blank plates & making good to the damages caused etc. housing following switchgears : ( MCB: Schneider / Hager / Legrand / Siemens / L&T make.				
	incoming : 32A, DP MCB- 1 NO				
	outgoing : 10/16/20A, SP, MCB - 10 NOs All MCB must be class C Type				
	Full Set As above	2	Set		
5)	Supply and installation of 16-way, SPN, Double Door, Metal type, ( legrand make Ekinox3 model or equivalent make as approved by SBIIMS), Distribution Board (of AC DB-1 Nos) surface / flush mounted on wall, interconnected wiring complete with earthing lugs, including DB wiring, dressing with ferruling, termination of circuits with ping type copper lugs, blank plates & making good to the damages caused etc. housing following switchgears : ( MCB: Schneider / Hager / Legrand / Siemens / L&T make.				
	incoming : 63A, 4P MCB- 1 No.				
	outgoing : 32A DP isolator - 6 Nos. All MCB must be class C Type				
	Full Set As above	1	Set		
6)	Supply and installation of MCB Distribution Board, ( legrand make Ekinox3 model or equivalent make as approved by SBIIMS), surface / flush mounted on wall, interconnected wiring complete with earthing lugs, including DB wiring dressing with ferruling, termination of circuits with ping type copper lugs, blank plates, etc. housing following switchgears : ( MCB: Schneider / Hager / Legrand / Siemens / L&T make)				
(a)	Supplying & fixing UPS Input DB having with following MCBs.				
	Incoming :32A, DP MCB – 01 No				
	Outgoing : 32A, DP MCB – 01 Nos.	1	Set		
(b)	Supplying & fixing UPS Output DB having				
	Incoming : 32A, DP MCB – 01 No				
	Outgoing : 32A, DP MCB – 01 No, 16 Amp SP MCB-1 No	1	Set		
4)	SITC of 63A FP Isolator enclosed in a prefabricated powder coated metal FP enclosure (legrand make Ekinox3 model or equivalent make as approved by SBIIMS) surface / flush mounted on wall and complete to the satisfaction of Bank/SBIIMS for . These will be used as master Control as incomer for power supply for AC , RAW and to be fixed near exit gate.( Isolater: Schneider / Hager / Legrand / Siemens / L&T make	2	Set		
<b>Total of Part A (In Rs.) :</b>					
<b>B)</b>	<b>INTERNAL WIRING :</b>				

ELECTRICAL AND ALLIED WORKS FOR SBI RANGABAZAR BRANCH UNDER RBO-1, BHUBANESWAR					
Sr. No.	DESCRIPTION	QTY	UNIT	RATE (In Rs)	AMOUNT (In Rs)
1	Providing & making of concealed / resseded / surface light point / fan point / call bell point etc. wiring using 1100V FRLS grade 3R (P+N+E) x 1.5 Sq.mm copper conductor PVC insulated wires (with proper R,Y,B color code) pulled through rigid FR/FRLS PVC conduits of 20mm Dia 1.5 mm thick laid concealed over false ceiling or in wall chases or on the ceiling in case of an open ceiling including 3R (P+N+E) x 2.5 Sq.mm circuit wires from the relevant DB and modular type switch plate, switches, GI concealed back box, etc. of legrand myrius/ L&T entice or equivalent make & model as approved by project in charge. (Each circuit shall not feed more than 8 points OR 800 watts as per following configuration.) (The item rate shall include Lighting / Raw / UPS Power Circuit wiring from relevent DB to the switch board with 3Rx2.5 Sq.mm FRLS wires & from switch board to next switch board OR to the first light point / primary point / full point)				

**ELECTRICAL AND ALLIED WORKS FOR SBI RANGABAZAR BRANCH UNDER RBO-1, BHUBANESWAR**

Sr. No.	DESCRIPTION	QTY	UNIT	RATE (In Rs)	AMOUNT (In Rs)
	NOTE:- 1. Only FR/FRLS wire shall be used; 2. The wires from ceiling junction to light points / light fixture shall be drawn in flexible PVC conduit with adaptor & cover for junction box & crimp type lugs at both the ends alongwith necessary hardware & accessories, etc. as required; 3. Proper lugs, must be used in all cabling and wiring on both load / source end; 6. Each switch board must be named representing the respective DB, Phase & Circuit numbers; 4. Looping of Neutral / Earth wire between two separate Primary / Full Points is strictly not allowed; 5. Looping of Neutral / Earth wire between two separate circuits on similar or other phase is strictly not allowed; 6. Ferruling / numbering / tagging to wires with circuit number & db name for all lighting & raw / ups power shall be strictly followed at both DB & switch board / switch socket boards ends.				
a)	Primary light points including the cost of 5A Modular switch of legrand myrius/ L&T entice or equivalent make & model as approved by project in charge	35	Nos		
b)	Secondary light points looped from the above point.	25	Nos		
c)	Providing & making of concealed / resessed / surface using 5A, 2/3 pin modular socket outlet with 5A Modular switch of legrand myrius/ L&T entice or equivalent make & model and as approved by project in-charge ( to be provided on existing common Light/fan switch board ). This cost includes interconnecting wiring between switch and socket using FRLS wire of same size.	6	Nos		
2	Providing & making of concealed / resessed / surface point using 5A, 2/3 pin socket outlet near equipment/appliances with 5A SP modular switch of legrand myrius/ L&T entice or equivalent make & model as approved by project in-charge & position as directed by project in charge at site, complete with necessary required materials and wiring from RDB/PDB using 3R (P+N+E) x 1.5 Sq.mm PVC Insulated copper conductor FRLS wire pulled through rigid FR/FRLS PVC conduits of 20mm Dia 1.5 mm thick from DB. (as an independent point ) [ call bell, Wall/Stand fan, Water Purifier, pass book print/Swayam/fire Panel- 2 Nos from UPS supply)	17	Nos		
3	Secondary fan points same as above consisting of 1 nos of 5A , 2/3 pin modular sockets & 1 No., 6A Modular Switch looped from primary point. (ONLY two points served by one circuit from DB, Loop points must be of same size wire)	6	Nos		
4	Supply and installation of MS Flush metal box with front enclosing the following duly interconnected. One 16 Amp. Modular Switch and One 6/16 amp socket outlet with indicator including 1 No of mounting plate & box of legrand myrius/ L&T entice or equivalent approve make & model. These will be used in pantry as independent point for hotplate/micro wave.	2	Nos		
5	Supply and installation of MS Flush metal box with front enclosing the following duly interconnected. 2 nos. of 6 Amp. Modular Switch and two nos 6 amp 5 pin socket outlet with indicator including 1 No of mounting plate & box of legrand myrius/ L&T entice or equivalent approve make & model. These will be used in ATM room as independent point UPS supply to ATM.	3	Nos		
6	Providing & making of concealed / resessed / surface point using 20A/ 25A, 230V, DP MCB with suitable size prefabricated powder coated metal enclosure (legrand make Ekinox3 model or equivalent make as approved by SBIIMS) concealed and complete to the satisfaction of Bank/SBIIMS for SPLIT AC.BM AC supply to be given from LDB/RDB. This point should be installed near Split / window AC in concealed manner and making good to the damages caused.	7	Nos		

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Sr. No.	DESCRIPTION	QTY	UNIT	RATE (In Rs)	AMOUNT (In Rs)
7	Providing & making of concealed / resessed / surface point using 6/16A, independent socket outlet with 16 Amp Top of legrand myrius/ L&T entice or equivalent make & model as approved by project in-charge including GI/ PVC back box, cover plate and all necessary accessories etc. complete in all respect. This point to be provided on wall near to AC Indoor unit at server Room. The socket should be looped from above AC DP MCB. ,	7	Nos		
8	Supply & fixing 2.5 sqmm X 3 core unarmoured flexible cable of 3 mtr length with 5 amp 3 pin top connected at one end for power supply for safe room, Record room & Locker Room etc.	3	Set		
9	Supply and installation of wireless Call bell with remote and battery (Max, GM, Anchor or equivalent make)	1	No		
<b>Total of Part -B (In Rs.) :</b>					
<b>C)</b>	<b>COMPUTER &amp; RAW POWER SUPPLY SYSTEM.:</b>				
1(a)	Supply & Installation of point wiring for UPS or stabilized power plug points (Primary point) on workstations / table for computers with concealed company made metallic boxes or PVC flush box on walls / furniture's /trunking etc. using 3R X2.5 Sq.mm FR/FRLS grade copper conductor multi-stranded flexible wire pulled through rigid FR/FRLS PVC conduits of 20mm Dia 1.5 mm thick with accessories duly buried under floor with necessary chasing / breaking in floor and to be refinished with all necessary civil material etc. OR pulled through already laid floor raceways and taken upto table top using PVC rigid or flexible conduits run within wooden/metal partitions etc. complete from UPSDB to Computer power supply boards. Each point consisting of 4 nos of 5A , 2/3 pin modular sockets below the table & 1 No., 15A Modular indicator Switch above table top of legrand myrius/ L&T entice or equivalent make & model as approved by project in charge., wired together forming one point.	6	Nos.		

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Sr. No.	DESCRIPTION	QTY	UNIT	RATE (In Rs)	AMOUNT (In Rs)
(b)	Secondary UPS power point same as above <b>consisting of 4 nos of 5A , 2/3 pin modular sockets below the table &amp; 1 No., 15A Modular indicator Switch</b> looped from above primary point.(ONLY THREE tables served by one circuit from DB, Loop points must be of same size wire, White Colour outer plate for these switch board)	2	Nos.		
2(a)	Supply & Installation of point wiring for Raw power plug points on workstations / table for computers with concealed company made metallic boxes or PVC flush box on walls / furniture's /trunking etc. using 3R X2.5 Sq.mm FR/FRLS grade copper conductor multi-stranded flexible wirepulled through rigid FR/FRLS PVC conduits of 20mm Dia 1.5 mm thick with accessories duly buried under floor with necessary chasing / breaking in floor and to be refinished with all necessary civil material etc. OR pulled through already laid floor raceways and taken upto table top using PVC rigid or flexible conduits run within wooden/metal partitions etc. complete from PDB to Computer power supply boards. Each point consisting of 3 nos of 5A , 2/3 pin modular sockets top & 1 No., 6A Modular Switch of legrand myrius/ L&T entice or equivalent make & model as approved by project in charge, the points to be provided above table top, wired together forming one point.	5	Nos.		
(b)	Secondary Raw point same as above <b>consisting of 3 nos of 5A , 2/3 pin modular sockets top &amp; 1 No., 6A Modular Switch</b> looped from primary point. (ONLY THREE tables served by one circuit from DB, Loop points must be of same size wire, Black Colour outer plate for these switch board)	3	Nos.		
<b>Total of Part -C (In Rs.) :</b>					
<b>D</b>	<b>CABLES &amp; CABLE TERMINATIONS:</b>				
<b>1</b>	Supply of all required materials & Labour for wiring to submain with following size 1100 V grade PVC insulated single core multistrand copper FRLS wire laid in surface/recessed pulled through rigid FR/FRLS PVC conduits of 20mm Dia 2 mm thick , ISI mark as per route shown at site and further as directed by Consultant at site in the following sizes :- (Make - Polycab / Finolex / CCI / RR / Havells) (LENGTH TO BE VERIFIED AT SITE BEFORE PLACING ORDER)				
	NOTE :- All Submain wiring shall be provided with metal identification tags showing the size & the location from/to the respective Panel / DB, at both the ends.				
<b>1.1</b>	( 2 X 2.5 sq.mm + 1 X 1.5 sq. mm ) from PDB to Pantry power points and UPS DB to ATM ups points	50	mtrs		
<b>1.2</b>	( 4 X 6 sq.mm + 2 X 2.5 sq. mm ) Main panel to Raw master switch to main panel,	40	Mtrs		
<b>1.3</b>	( 2 X 6 sq.mm + 1 X 2.5 sq. mm ) from main panel to UPS Input DB, Raw Power DB-1&2 LDB 1&2, UPS to UPS Output DB, UPS Output DB to UPS BDB/CDB1&2 and UPS to Output DB	100	Mtrs		
<b>1.4</b>	( 2 X 4 sqmm + 1 X 2.5 sqmm ) from AC DB to AC DP MCB's., AC DP MCB's to AC Socket.	80	Mtrs		
<b>2</b>	Supply & Installation of 1100V grade armoured cable having sector / circular shaped aluminium / copper conductor PVC insulated cores, laid up, PVC tape wrapped inner sheathed, GI strip / wire armoured and overall extruded PVC sheathed conforming to IS: 1554, laid on wall / ceiling using GI clamps & spacers as per route shown at site and further as directed by Consultant at site in the following sizes :- (Make - Polycab / Finolex / CCI / RR / Havells) (LENGTH TO BE VERIFIED AT SITE BEFORE PLACING ORDER)				

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Sr. No.	DESCRIPTION	QTY	UNIT	RATE (In Rs)	AMOUNT (In Rs)
	NOTE :- All Armoured cables shall be provided with metal identification tags showing the size & the location from/to the respective Panel / DB, at both the ends.				
2.1	4C x 50 sq. mm Aluminium Armoured AYFY Cablewith 2 runs of 12 SWG GI bare wire ( SFU to main Panel)	20	Rmt		
2.2	4C x 25 sq. mm Aluminium Armoured AYFY Cablewith 2 runs of 12 SWG GI bare wire (DG to Main Panel)	30	Rmt.		
2.3	4C x 16 sq. mm Aluminium Armoured AYFY Cablewith 2 runs of 12 SWG GI bare wire (Main panel to AC master switch to AC DB)	30	Rmt.		
3	GLANDING & TERMINATION :- Supply & Installation of end termination of above mentioned cables including single compressed type brass glands, crimping type copper/Aluminium lugs, insulation tape etc. as 'required complete with earthing of glands in following sizes :-				
3.1	4C x 50 sq. mm Aluminium AYFY Cable	2	Nos		
3.2	4C x 25 sq. mm Aluminium AYFY Cable	2	Nos.		
3.3	4C x 16 sq. mm Aluminium AYFY Cable	2	Nos		
<b>Total of Part -D (In Rs.) :</b>					
<b>E</b>	<b>TELEPHONE AND DATA WORK :</b>				
1	Supply and installing telephone point with Telephone socket outlets of RJ 11 of approved make with company made concealed boxes in walls / furniture's etc. complete using 2 pair of 0.51 cross section/dia. pvc insulated copper conductor telephone wire of ITI approved pulled through rigid FR/FRLS PVC conduits of 20mm Dia 1.5 mm thick with accessories duly burried under floor with necessary chasing / breaking in floor and to be refinished with all necessary civil material etc. or to be cleated on wall / ceiling with saddles / spacer etc. necessary termination etc. complete.from kroone box to table tele. points, etc. complete..Cross Ferruling need to be provided for each point. on Telephone point tagging must be done. ( For Intercom, Fax Tele, Direct Tele facility)	2	Nos.		
2	Supply , fixing of RJ 45 information outlet (I/O) with safety sutter of D-link make with front modular cover plate, flush box metallic or PVC for trucking system etc	13	No		
3	Supply, laying and termination of CAT-6 LAN wairing from server to Hub and Hub to computer I/O Points of approved brand ((D-Link/Digilink/Amps ) laid through rigid FR/FRLS PVC conduits of 20mm Dia 1.5 mm thick of ISI mark duly burried under floor with necessary chasing / breaking in floor and to be refinished with all necessary civil material etc. or to be cleated on wall / ceiling with saddles / spacer etc. necessary termination etc. completeas in all respect including making good to all damages caused and as per the direction of Consultant and Engineer-in-charge.	200	Mtrs		
4	Supply & fixing the Patch cord 2 mtr. Long of reputed make. ( D-link, Amp, Digisol)	13	No		
5	Supply & fixing the Patch cord 1 mtr. Long of reputed make.( D-link, Amp, Digisol)	13	No		
6	Supply, installation, testing and commissioning of 9U metal rack of D-link or Equivalent approved make for computer clamping switch etc complete with Tray Mounting Fan + power supply board. Bank's hardware - port switch / patch panel must be installed by ele. Contractor in this rack. (if Required)	1	No		
7	Supplying Istallation and Testing of 24 port Cat - 6 patch panel of 'D' Link or equivalent approved make complete as directed at Site.(if Required)	1	No		
<b>Total of Part -E (In Rs.) :</b>					
<b>F</b>	<b>LIGHTING FIXTURES :</b>				



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Sr. No.	DESCRIPTION	QTY	UNIT	RATE (In Rs)	AMOUNT (In Rs)
	(NOTE : ANY OF FIXTURES AND FITINGS SHALL BE RE-CONFIRMED WITH THE ARCHITECTS / CONSULANTS BEFORE ORDERING THEM.				
1	Supply , Installation, testing and commissioning of lighting fixtures with lamps and LED driver as per the details below including necessary hardware such as clamps, nuts, bolts, nails, screws and suspension rods as required for fixing the fixtures in position as directed by architect / consultant / client including supply and fixing flexible wires from holder to fixtures hardwares etc. The marking & cutting of fixtures should be in electrical contractor's scope. Note :- All Light Fixtures, Fans, Exhaust Fans & other fittings samples shall be approved by the Client / Architect / Consultant before placing order to the Light Fixture Vendor / Supplier. All Light Fixtures shall be of Philips / Wipro / Crompton make only unless & otherwise other makes are specified. Client / Architect / Consultant reserves right to approve / select final Light Fixtures from any make as required.				
a)	LED 6500 Lumen (2'X2') SURFACE/RECESS MOUNTED LUMINAIRE with making earthing connection complete to be recessed in false ceiling with all necessary hardwares, hanging frame arrangement, chains, hook etc., complete. Integral type ( model Philips RC380B -LED36S-6500-G4-L60-W60 Crompton LCTRLNE-36- FO-CDL or Equivalent Make as mention in the recommended make and as approved by the SBIIMS)	14	Nos.		
b)	12 W LED Downlighter ( Round & Square Type ) to be recessed in false ceiling OR surface mounted on ceiling with all necessary hardwares etc required to fix the fitting complete in all respect. The downlighter should be of Crompton make & model:LSCRM-12-CDL or Equivalent Make as mention in the recommended list and as approved by the SBIIMS. LED down lighter should be connected to supply wire with PVC connector.	12	Nos.		
c)	Supply and installation of 20 W LED , 4 feet batten light fixture with Aluminium housing complete with necessary hardwares, etc. philips Make Model BN 021C LED 20S PSU CW GR S2 or Equivalent or Equivalent Make as mention in the recommended list and as approved by the SBIIMS.	15	Nos.		
d)	Supply and installation of Exhaust fan of 300 mm heavy duty exhaust fan & 6 Amp. 3 pin TOP. ( Crompton/ Khaitan make OR Equivalent make as mentioned in the recommended make as approved by the SBIIMS.) [Wooden mounting frame should be fixed in coordination with carpenter - furniture contractor.]	2	No		
e)	Supply and installation of Exhaust fan of 200-250 mm, fresh air ventilator type with louver complete. ( Crompton/ Khaitan/ Havells make OR Equivalent make as mentioned in the recommended make as approved by the SBIIMS.) [Wooden mounting frame should be fixed in coordination with carpenter - furniture contractor.]	2	Nos.		
f)	Supply and installation of 1200 mm ceiling fan with two module step type regulator mounted on existing board (Crompton model - High speed or Havells Make or Equivalent Make as mention in the recommended List.	4	Nos.		
g)	Supply and installation of 400/450 mm sweep full metal body type wall mounted fan or stand Fan ( Havells V3 model Make or Equivalent Make as mention in the recommended List.	3	Nos.		
h)	Wireless call bell with remote and battery	1	No		
<b>Total of Part -F (In Rs.) :</b>					

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Sr. No.	DESCRIPTION	QTY	UNIT	RATE (In Rs)	AMOUNT (In Rs)
g)	<b>Earthing System:</b>				
	<b>Note: The Contractor must be Earthing Photograph with Clearly showing earthing road size need to attach with Bill</b>				
1	Supply and laying 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 meter long etc. with charcoal/ coke and salt as required. complete as per ISI 3043-1987 ( for UPS)	1	Set		
2	Supply and lying earthing with G.I. earth plate 600 mm X 600 mm X 6 mm thick including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe of 2.7 meter long etc. with charcoal/ coke and salt as required. Complete as per ISI 3043-1987. (For main panel board & DBs)	1	Set		
3	Supply, laying and jointing of following wire / strip / earth cable on walls, ceiling etc. With necessary non rusting clamps, washers, nuts and bolts etc complete				
a)	8 SWG G.I. Wire with 20 mm dia. PVC rigid conduit duly cleated / concealed / burried in floor etc. complete for ELE. PANEL, ALL DBS , ETC.	15	Rmt		
b)	8 SWG CU. Wire with 20 mm dia. PVC rigid conduit duly cleated / concealed / burried in floor etc. complete Form Copper earthing to UPS DB	10	Rmt		
c)	25 x 3 mm G.I. Strip From GI Earthing to Main Panel	10	Rmt		
<b>Total of Part -G (In Rs.) :</b>					
<b><u>TOTAL AMOUNT IN Rs. ( Sub total of : A+B+C+D+E+F+G) excluding GST</u></b>					
<b>Net Tender Amount in words :</b>					
Rupees'..... ....					
<b>NOTES:</b>					
1	The quoted prices shall be firm and inclusive of all duties, transportation, handling, loading and unloading at site, road permit, etc and no extra will be permitted. GST will be paid extra as per actual.				
2	THE CONTRACTOR SHOULD DEPUTE ONE PERSON AT SITE FROM START OF WORK TO FINISH FOR GIVING TEMPORARY CONNECTIONS & ATTENDING PROBLEMS				
3	THE CONTRACTOR SHOULD WORK ACCORDING TO THE FINAL LAYOUT.				