

Tender for Supply, Installation, Testing & Commissioning of internal electrification work At State Bank of India, Cochin University Branch – Renovation					
Sl. No	Description	Unit	Qty	Rate (Rs)	Amount (Rs)
1	Supply, installation , Testing and Commissioning(SITC) 3 ph.63A, 4 P Load break Change Over Switch in fabricated out of 16 SWG CRCA sheet MS enclosure with LED indication lamps (3phase) for DG set and KSEB supply and multifunctional digital meter (If the existing change over switch is found suitable same may be retained)	no	1		
2	STC of factory made 3 ph.63A,8 way VDB double door with 63A 4P MCCB as Incomer and four 32 A 3P MCB , two 25A3PMCB and remaining 10/25A SP MCB as out-goings.	no	1		
3	SITC of Surge protector OBO BETTERMAN – V25-B+C/3+NPE with manufacturer's enclosure, 3 phase 415 V	no	1		
4a	SITC of wall mounting type double door, dust & vermin proof 12 way SPN MCB DB comprising one 2 pole 25A, 30 mA high immunity type RCBO suitable for UPS operation as in comer and 6-16 A SP MCB outgoings for UPS output.	no	1		
b	SITC of wall mounting type double door, dust & vermin proof 6 way 3 phase, MCB DB comprising one 3 phase 25 A 4P 30 mA RCBO as in comer and 6-16 A SP MCB (18 nos) outgoings.(LDB)	no	1		
c	SITC of 1 phase, 2+8 way, 25A DB with 25A, 30mA RCBO as incomer and 6-16AMCBs as outgoings complete	no	1		
5a	SITC of wiring using 5 run 4 sq.mm PVC insulated, 1100 V grade, FRLS stranded, cu wire and 25mm dia PVC conduit	m	100		
b	SITC of wiring using 3 run 4 sq. mm PVC insulated, 1100 V grade, stranded FRLS cu wire and 25 mm dia PVC conduit	m	100		
c	SITC of wiring using 3 run 2.5 sq. mm PVC insulated, 1100 V grade, stranded FRLS cu wire and 25 mm dia PVC conduit	m	30		
6a	SITC of one 25/20A motor starter with 20A socket and 20/25A 3 pin top for single phase airconditioners. (socket shall be near indoor unit)	no	2		
b	SITC of one 32A , 100mA sensitivity 4P ELCB in metalic enclosure for cassette AC etc	no	4		
c	SITC of one 25A , 100mA sensitivity DP ELCB in metalic enclosure for single phase AC	no	2		
e	SITC of 40A4P isolator with metalic enclosure	no	2		
7	Supply, laying, dressing,connecting and commissioning of 1100V grade PVC insulated armoured power cable (XLPE) with aluminium conductor concealed on wall/ceiling/trench with clamps including charges for making trench(if any) by supplying necessary fixing materials.				
	a. 4x35 sq.mm	m	5		
	b. 4x25 sq.mm	m	50		
	c 4x16 sq.mm	m	30		
	d 4x 10 sq. mm	m	60		
8	SITC of end terminations of the following XLPE cables using flange type cable glands and heavy duty tinned aluminium type crimping cable sockets with gland earthing				
	a. 4x35 sq.mm	no	2		
	b. 4x25 sq.mm	no	2		

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	c. 4x16 sq.mm	no	4		
	d.. 4x 10 sq. mm	no	4		
9	SITC of 2x2.5 sq.mm armoured 1100V grade copper cable for UPS earthing including end terminations	m	20		
10	SITC of bare earthing copper				
	a: 10 SWG	m	250		
	b. 4 SWG.	m	50		
	c. 25mm 3 mm flat	m	1		
11a	SITC of earthing station using 600 x 600 x 3mm copper plate buried in ground, 20 mm dia 3 m long perforated GI pipe with funnel and constructing inspection chamber by masonry work with heavy duty CI inspection cover conforming to IS 3043 including civil work complete.	no	1		
b	SITC of GI pipe earthing station using GI pipe dia 3 m long perforated GI pipe with funnel and constructing inspection chamber by masonry work with heavy duty CI inspection cover conforming to IS 3043 including civil work complete.	no	1		
12	Wiring for light, fan, plug-sockets:				
A	SITC of all materials and wiring through wall, floor, ceiling concealed using color coded 1.5 sq.mm PVC insulated , 1100V grade, FRLS stranded copper wire for point and same size wire with green color as continuous earth for points with independent earth wire for each circuit through ISI grade 25mm PVC conduit including all accessories as per IS 9537 part I including circuit wiring using 2.5 sq.mm. size of wire of same material and quality as above and factory made MS boxes, modular type 5A switches& switchboards and ceiling rose/connectors etc., of approved make for controlling one light/fan/exhaust fan/calling bell etc., Number of wire to be used in the conduit should be limited to the IS standards. Rate is inclusive of cost of circuit wiring from ELDB, chipping floor/wall using machine and re-plastering to original form. All switches/sockets/switch boards shall be of modular type. Wherever wires are drawn on walls, it shall be concealed by chipping the plaster using proper machines. Where conduits are drawn above false ceiling, it shall be firmly clamped on the concrete ceiling/wall using clamps at regular interval (maximum one meter) or laid through rack/tray as per site condition .	no	35		
b	Same as above but controlling two lights by one switch.	no	6		
c	. Same as above but controlling three lights by one switch	no	1		
d	Same as above but controlling four lights by one switch.	no	4		
e	Same as above (item no. 12a) but for ceiling fans including supply & installing stepped type 250 W electronic fan regulator of approved make	no	4		

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f	SITC of wiring for 6 nos LED down lighters in parallel connected to UPS supply with single control using 5A modular switch and plate with identification	no	1		
G	SITC of wiring for 7/8 nos LED tube lights/bulk head in parallel connected to KSEB supply with single control connected to timer (external light)	no	1		
h	SITC of 6A 3 pin plug socket with 6A switch , with inter connections complete (combined in switchboard)	no	6		
13	SITC of wiring through wall/floor etc., recessed using color coded 3 runs 1100V grade 2.5 sq. mm. PVC insulated FRLS copper wire through ISI marked 20mm.dia. PVC conduit, with all accessories and 2 plate 5A modular switch & sockets including charges for chipping the wall/floor and making to original form. Rate is inclusive of cost of complete ckt wiring from the power DB/UPS DB. (Maximum of three sockets only will be permitted in one ckt.) for wall fan/other items at required location. Switch shall be within reachable height (1.5m)	no	12		
14	SITC of wiring through wall/floor etc., recessed using color coded 3 runs 1100V grade 2.5 sq. mm. PVC insulated FRLS copper wire through ISI marked 20mm.dia. PVC conduit, with all accessories and 2 plate 15/5A modular switch & sockets including charges for chipping the wall/floor and making to original form. Rate is inclusive of cost of complete ckt wiring from the power DB/UPS DB. (two nos. shall be provided in Server room for router etc).	no	6		
15a	SITC of wiring through recessed/wall/floor/partition/surface using color coded 3 runs of 2.5 sq.mm. PVC insulated FRLS stranded copper wire for phase , neutral and green color for earth through ISI marked 20mm dia. PVC conduit from UPS DB for UPS power stations including 4 nos. 5A, 3 pin sockets controlled by one 15A master switch (modular) in metal box. Number of wires in one conduit shall be limited as per standards. Rate quoted is for the complete length of wiring from UPS DB. Master switch shall be in separate box at easily accessible position to operate by sitting on the chair. (This item is treated as Main station)	no.	6		
b	Same as above but for six socket with two master switches	no	2		
c	Extension of UPS stations from Main station (item no. 17 a) to adjacent tables consisting of wires, switches & sockets same as that mentioned in item no 17a. Maximum three UPS power stations (of 4 sockets treated as one power station) can only be looped from one Main station.	no	14		
16	Supply,assembling, installation connection and commissioning of following light fittings including cost of fixing materials:				
	a. 2' x 2', 25 Watt , square, recessed mounted LED luminaire, glare free light fittings with luminaire efficiency minimum of 100 lmn/watt with integral driver, flat diffuser and other controls (and mounting frame if required) complete (as per approved list)	no	26		
	b. 4', 18 W LED tube light fittings integral driver and other controls..(as per approved list)	no	25		
	c. 16W LED down light fittings with driver and accessories complete (as per approved list)	no	12		
	d. 10 W LED wall mounting/bulk head light fittings with driver and accessories complete	no	4		
	e. 9 W LED bulb with angle holder	no	6		

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sl. No	Description	Unit	Qty	Rate (Rs)	Amount (Rs)
17a	Supply assembling, installation and commissioning of 48" high breeze ceiling fans with white color with all accessories including down rods (and angle fastener if required as per site condition)	no	1		
b	SITC of 300 mm heavy duty exhaust fan	no	1		
c	SITC of 300 mm light duty exhaust fan	no	2		
d	SITC of swivelling type 1200 sweep wall fans – ivory color	no	6		
18	Supply and laying of ISI marked 25mm dia PVC conduit with accessories along floor/wall/partitions with termination box and GI lead wire as per site condition.	m	40		
19	SITC of flexible 3 core chord wire with copper conductor (2.5 sq. mm) with 15/5 A 3 pin top	no	2		
20	SITC of RJ11 telephone jack in modular box with wiring using 0.5sq. Mm 2 pair telephone cable with 20 mm dia PVC conduits converging to EPABX (only one point for cluster of 4 tables)	no	12		
21	SITC of 10 pair KRONE connector	no	1		
22	Supply, laying and commissioning of 0.5sq.mm. 10 pair telephone cable with all accessories	m	20		
23	SITC of ceiling mounted speakers (Ahuja/ Philips make) including supply, laying & connecting using 2C x 1 sqmm PVC insulated copper wire with 20 mm dia PVC conduit. All wires to converge to a suitable point at a convenient place for keeping the PA system..	no	6		
b	Supply & providing electrical grade rubber floor mats	sq. ft	40		
c	Supply & providing caution boards	no	3		
24a	Charges for disconnecting, re-routing, reconnecting and commissioning the existing main power cable of the Branch from the existing main DB to the new DB as per site condition.	m	20		
b	Charges for disconnecting, re-routing, reconnecting and commissioning the existing lighting circuits of back office area of the Branch from the existing LDB to the new LDB as per site condition. (if suitable)	Lump sum	1		
c	Charges for providing temporary UPS power stations at suitable places as directed by the Branch Manager for computers and other items for smooth functioning of Branch during progress of the work.(old UPS stations removed from the bank shall be used)	no	6		
25a	Prepare required drawing (of the electrical work) & obtain its approval and sanction from the Electrical Inspector and all other Govt. agencies(including Diesel Generator if applicable). Hand over one copy of the drawing to the Branch Manager.	lump-sum	1		
b	Charges for laminating one copy of the above approved drawing and displaying it on the wall of electrical room of the branch	no	1		
26	Charges for obtaining Regularization/sanction from KSEB for additional connected load of the branch after completing the work (if the total connected load is more than the existing sanctioned load) .	Lump sum	1		

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sl. No	Description	Unit	Qty	Rate (Rs)	Amount (Rs)
27	Disposal of scrap: Buy back amount to be paid to the bank for purchasing the dismantled old electrical panel board/DBs/light fittings/ ceiling fans/ wires/cable/switch board etc as scrap. Charges for disconnecting, dismantling and removing all the above existing items are inclusive of the amount quoted. The dismantled items shall be removed from the site by the contractor latest before submitting the final bill for the work. (Contractor shall prepare an inventory of the dismantled items and should get acknowledged by the Branch Manager and the same is required to be submitted along with the bill)				
	(I) Ceiling fan/wall fan (old)	no	5		(-)
	(ii) light fittings	Lump sum			(-)
	(iii) Panel board/DBs	Lump sum			(-)
	(iv) Cables/wire	Lump sum			(-)
	(V) UPS power station(box) /other switch box /ELCBs /any other electrical items removed from the site for facilitating the renovation work	Lump sum			(-)
	NOTE : 1 . This is a working branch. Entire work is required to be carried out without disturbing/affecting normal functioning of the branch. Therefore the work is required to be carried out preferably after Bank's normal working hours, during night or holidays in consultation with the branch manager. However entire work is required to be completed within the specified time period mentioned in the Notice Inviting Tender.				
	NOTE:2 After completing the installation & commissioning work, the contractor shall prepare check-list (in the prescribed format) of various parameters, carry-out electrical safety audit of the complete electrical installations and submit electrical safety audit report in the Bank's standard format and a certificate stating that the work is carried out by conforming to all safety standards and tender specifications.				
	TOTAL :				
	GST i. CGST @..... ii. SGST @.....				
	Grand Total including GST				
	In Words : Rs.				