

Tender for Supply, Installation, Testing & Commissioning of internal electrification work At State Bank of India, Valavanthirangara Branch – New Premises					
sl. No	Description	Unit	Qty	Rate (Rs)	Amount (Rs)
1a	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.	no	1		
b	SITC of factory made 3 ph.100A,8 way VDB double door with 100A 4P MCCB as Incomer and Seven 32 A 3P MCB , and remaining 10/16/20/25A SP MCB as out-goings for single phase loads.	no	1		
2	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		
3	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		
4	SITC of 1 phase, 8 way, 25A DB with 25A, 30mA RCBO as incomer and 6-16AMCBs as outgoings complete (ATM/Power DB)	no	1		
5a	SITC of wiring using 3 run 6sq.mm (for phase) & 2 run 4 sq mm (for N & E) PVC insulated, 1100 V grade, FRLS stranded, cu wire and 25mm dia PVC rigid/flexible conduit (flexible conduit for UPS input etc.,)	m	20		
b	SITC of wiring using 3 run 6 sq.mm PVC insulated, 1100 V grade, FRLS stranded, cu wire and 25mm dia PVC rigid/flexible conduit (for UPS out put etc)	m	20		
c	SITC of wiring using 3 run 4 sq.mm (for phase) & 2 run 2.5 sq mm (for N & E) PVC insulated, 1100 V grade, FRLS stranded, cu wire and 25mm dia PVC conduit (for 3 TR cassette AC etc)	m	80		
d	SITC of wiring using 3 run 4 sq. mm and PVC insulated, 1100 V grade, stranded FRLS cu wire and 25 mm dia PVC conduit	m	50		
e	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 (for ckt wiring, UPS stations etc)	m	550		
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 32 A , 100mA sensitivity 4P ELCB in metallic enclosure	no	2		
c	SITC of one 25A , 100mA sensitivity DP ELCB in metallic enclosure for single phase AC	no	2		
d	SITC of 40A 3P isolator with metallic enclosure	no	2		
e	SITC of 32A 4P isolator with weather proof enclosure near AC out door unit	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	65		
b.	4x25 sq.mm	m	50		
c	4x16 sq.mm	m	10		
d	4x 10 sq. mm	m	30		
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	Nos	4		

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	b. 4x25 sq.mm	no	2		
	c. 4x16 sq.mm	no	2		
	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	25		
10	SITC of bare earthing copper		0		
	a. 4 SWG	m	40		
	b: 10 SWG	m	250		
	c. Earth bench using 25mm 3 mm flat (minimum of 40cm length)	Nos	2		
11a	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.	Nos	3		
b	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		
12	Point Wiring for light, fan, plug-sockets:(From switch board to fittings only)				
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 , 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 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 . Rate is for wiring from switch board to fittings only & shall be all inclusive.	no	35		
b	Same as above but controlling two lights by one switch.	no	5		
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	1		
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	8		
f	SITC of wiring for 6 / 8 nos LED Bulk head or tube lights in parallel connected to UPS/KSEB supply with single control using 5A modular switch and plate with identification for external light using 1.5 sq mm Wire (as specified in item no. 12 A, but starting from the Timer/LDB)	no	1		
G	SITC of wiring for 6/7 nos LED down lighters in parallel connected to UPS supply with single control using 5A modular switch and plate with identification(as specified in item no. 12 A)	no	1		

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h	SITC of 6A 3 pin plug socket with 6A switch , with inter connections complete (combined in switchboard)	no	8		
13	SITC of one 6A modular switch & 3 pin sockets in separate location for wall fan etc(switch shall be installed at reachable height) including charges for chipping the wall/floor and making to original form. (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 (cost of wires not included)	no	10		
14	SITC of one 2 plate 15/5A modular switch & sockets in separate location including charges for chipping the wall/floor and making to original form. (Maximum of three sockets only will be permitted in one ckt.) (cost of wires not included)	no	6		
15a	UPS Power stations : SITC of 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. Master switch shall be in separate box at easily accessible position to operate by sitting on the chair. (cost of wires not included)	no.	16		
b	Same as above but for six socket with two master switches	no	3		
16	Supply,assembling, installation connection and commissioning of following light fittings including cost of fixing materials/mounting frame wherever necessary:		0		
	a. 2' x 2', 31 Watt , square, recessed mounted LED luminaire, glare free light fittings with luminaire efficiency minimum of 100lm/watt with integral driver, flat diffuser and other controls (and mounting frame if required) complete (as per approved list - Philips RC380BLED 36S-6500 G4PSU OD or equivalent OSRAM) complete (as per approved list)	no	20		
	b. 4', 18 W LED tube light fittings integral driver and other controls..(as per approved list – Philips BN 021)	no	20		
	c. 16 W LED down light fittings with driver and accessories complete (as per approved list- DN194B LED 16S-6500 PSU WH S1)	no	12		
	d. 10 W LED wall mounting/bulk head light fittings with driver and accessories complete - Philips WP202	no	4		
	e. 9 W LED bulb (Philips) with angle holder	no	4		
	f. LED strip with one driver unit per 5m length, having 36W per 5m roll, with suitable aluminium channel support as per site requirement (minimum one year warranty), blue color	meter	30		

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17a	Supply assembling, installation and commissioning of 48" high breeze ceiling fans with white color with all accessories including down rods suitable for the site requirement and angle fastener if required as per site condition	no	8		
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	8		
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	4		
20	SITC of RJ11 telephone jack in modular box	no	12		
21	SITC of 10 pair KRONE connector	no	1		
22	Supply, laying and commissioning of 0.5sq.mm. 2 pair telephone cable with all accessories including 25 mm dia PVC conduit	m	200		
22	Supply, laying and commissioning of 0.5sq.mm. 10 pair telephone cable with all accessories	m	40		
23a	SITC of ceiling mounted speakers (Ahuja/ Philips make : 9W) 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		
24	Prepare required drawing (of the electrical work) and also obtain its approval and sanction from Kerala State Electrical Inspectorate including for Diesel Generator. Hand over the drawing to the Branch Manager and get forwarded the same to the landlord of the premises with proper authentication for enabling the landlord to obtain power connection from KSEB. Laminate one copy of the drawing and it is required to be displayed in the electrical room/UPS room.	lump-sum	1		
	NOTE: 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. No separate charge/cost shall be claimed by the contractor for this purpose .		0		
	TOTAL :				
	GST i. CGST @..... ii. SGST@.....				
	Grand Total including GST				
	In Words : Rs.				