

B. TECHNICAL SPECIFICATION

Electrical work terms & conditions

1. All PVC insulated, and armoured cables used shall conform to ISI 554/64 and of 650/1100V grade. Test certificates of cables issued by manufacturers are to be furnished after installation on demand.
2. All electrical work in connection with the wiring and installation of electrical equipment shall be carried out in accordance with the provisions of Indian Electricity Act and Rules thereunder and shall also comply with the provisions of IS: 732-1963 (Latest iteration) and IS: 2274-1963 (latest iteration), as applicable. The number of wires in conduit shall not exceed the standard limits defined. UPS and Raw AC supplies should run in separate conduits.
3. Minimum bending radius of PVC armoured cables shall be 12 times the diameter of cable.
4. Contractor would be required to furnish after completion, two sets of detailed drawings.
5. Work must be completed within **14 days** from the date of receipt of work order.
6. The work must be guaranteed for a period of 12 months for its satisfactory performance from the date of completion and all defects cropping up within this period must be rectified at contractor's cost immediately.
7. Caution boards as per statutory requirements must be displayed wherever required.
8. All material, fittings and appliances used in electrical installation shall conform to the latest relevant Indian Standard specifications, wherever they exist. A list of approved material can be collected, and other materials not covered will have to be got approved by the Engineer-in-charge, prior to actual use.
9. Contractor is required to ensure that no damage is caused to Bank's property during execution of the job and should make good damages, if any, at their own cost.
10. Contractor must keep the E-I-C informed about the progress of work at suitable intervals, as desired by the Bank/ 11. Standard deductions will be made from bills as per Bank's rules.
12. Work has to be carried on without disturbing normal banking operations.
14. Rates quoted shall be inclusive of all taxes, levies, duties, transportation cost etc. However, GST will be payable extra on the actual basis by SBI only on basis of proof of payment along with the submission of invoice.
15. Contractors shall provide all labour and materials including necessary scaffolding for proper execution of the work.
16. Bank shall have the right to change the quantities as per on spot requirements. Bank also have right to reserve to cancel at any/all quotations/tenders without any cause.
17. Contractors should submit the Test Certificate form at the time of submission of final bill
18. Necessary blanking plates are to be provided wherever required.
19. For earthing IS 3043 for conduit to be used in wiring shall confirm IS 9537 (Part-II)1981 or latest in all respect. 20. Contractor should be advised to depute their representative to the Branch from take-on date to the following day of branch going live at their own cost.
21. All the materials which shall be used in the work shall be as per specification and must be from the list of approved materials as mentioned in the specification. Samples of the materials proposed to be used shall be submitted for approval and nothing shall be used which are not approved.
22. Contractor should note that all wiring, DB, Starter etc. below false ceiling in System Room should be concealed unless otherwise specified.
23. On demand lowest bidder must produce rate analysis of all the quotation items within 2/3 days from opening of the quotations.
24. It is obligatory under Indian Electricity Rules that electrical installations work shall be executed under qualified Electrical Supervisor holding a valid Electrical Supervisor's Certificate of competency guaranteed by the State License Board
25. The contractor has to obtain labor license and abide by Rules and Regulations of contract labor (Regulation and abolition Act., 1970 and central rule 1971 as also relevant latest amendments hereto.)
26. Evidence vouchers from manufacturers/authorized agent showing use of proper materials should be furnished as and when required.
27. Quantities are approximate, and the work will be paid on the measurement basis as per ISI code of measurement.
28. The contractor must be registered with service tax act and furnish a copy of registration documents.
29. Test report of supply authority must fill in, if required
30. **CONDITIONAL TENDERS OR INCOMPLETE TENDERS ARE LIABLE FOR REJECTION.**
31. State Bank of India reserves the right to accept or reject any or all quotations/Tenders without assigning any reason thereof. Bank's decision as regards eligibility shall be final and binding.
32. Vendor shall quote their rates in each item of the price bid form.
33. No extra payment will be made for the work carried during the nights or holidays.
34. The tenderers shall quote their rates for individual items both in words and figures; in case of discrepancy between the rate quoted in words and figures, the unit rate quoted in words shall prevail. If no rate is quoted for a particular item, the tender will be liable for rejection.

The amount of each item shall be calculated and the **requisite total to be given on each page.** In case of discrepancy the total amount calculated from multiplication of unit rate and quantity, the unit rate quoted will govern and the amount will be corrected

Contractor signature with Date & Stamp

C- LIST OF MATERIALS OF APPROVED MAKES/BRAND

The contractor shall use materials in their works subject to inspection prior to dispatch, by Owner or his authorized representative of any materials, as deemed necessary in accordance with the following list. All materials not otherwise specified shall be in accordance with the latest Indian Standard Specification, where such exists and subject to prior approval of Owner/Architect. The contractor shall be bound to offer sample of materials, which are claimed to be conforming to IS Specifications, for testing at an approved Test Laboratory as and when directed by Owner/Architect.

Contractor shall purchase all materials from the makers or their authorized stockists only. Necessary documentary evidence must be produced to the Owner or their authorized representative on demand. **Contractor shall be bound to supply items of any make of the items as per the choice of the Owner/Architect.**

Sr No.	Description	Make
1.	L T Switch Board Panel	: Locally fabricated with all components from approved make.
2.	CFS/Switch Fuse with HRC fuses	: L&T/SIEMENS/GE/ABB/Schneider
3.	Changeover switch	: HPL / HAVELLS /L & T / ABB/ Schneider
4.	MCCB and Accessories	: Legrand/Hager/Schneider/L&T/Havells
5.	MCCB/MCB Distribution Board	: Legrand / Hager /Schneider/Havells/L&T
6.	RCBO, MCB & MCB Isolator	: Legrand / Hager/ Schneider/Havells/L&T
7.	Current Transformers	: AE/KAPPA/SEGC/L & T
8.	KWH Meter (Analog/Digital):	GE /IMP /ABB /LANDIS GYR /L&T
9.	Ammeter & Voltmeter (Analog/Digital)	: AE/IMP/MECO/ENERCON/L & T
10.	Selector Switch for Volt-meter/Ammeter	: Kaycee/L & T/Siemens
11.	Contactors and Timer (Modular Type)	: Legrand / SIEMENS/L&T
12.	PVC Terminals	: ESSEN/ELMEX/L&T
13.	1.1 KV grade PVC/XLPE aluminum/copper conductor cable(armored/ unarmored)	: GLOSTER / UNIVERSAL / POLYCAB / NICCO / HAVELL'S/ BONTON
14.	1100V grade PVC insulated and sheathed and PVC insulated copper conductor wire/flexible wire	: RR-KABEL / V-GAURD /NATIONAL/POLYCAB/ HAVELLS / Gloster/ KEI/BONTON
15.	Telephone Wire	: RR-KABEL / DELTON / POLYCAB/Bonton
16.	Cable Lug	: Dowells
17.	Cable Gland	: Dowells/Power Engg/Comet
18.	Steel Conduit (ISI marked) Black enameled/galvanized	: BEC/NIC/AKG
19.	PVC Conduits (MMS)/Channels and accessories	: BEC/Plastran/Precision/Polycab/Harsh/AKG/Plasma/Astral
20.	G I Pipe	: TATA/ITC/BST/Jindal
21.	Ceiling Rose (3 Plate)	: Anchor/Precision/SSK/Rider
22.	15 Amp/5 Amp Piano Key type switch and flushed type plug socket and mounting accessories	: Anchor/SSK/PRECISION
23.	20A, 2 Pin and scrapping earth type switch socket and plug socket	: Legrand/MK/Havells/ABB/L & T/Schneider
24.	Holder	: Kay/MMP/EPP/Anchor/Precision/SSK
25.	Modular Type Switch/Socket/ M.S box/plate	: Legrand-myrius /Hager-insysta /North-west Nowa /Crabtree-Athena/MK wraparound/Anchor woods
26.	RJ-11 Socket Outlet (Modular)	: Legrand-myrius /Hager-insysta /Northwest-Nowa /Crabtree-Athena/anchor woods/ MK wraparound
27.	Indication Lamp (LED Type)	: Legrand/L&T/Siemens
28.	Buzzer/Call Bell	: Bajaj/Anchor