



The **ERNAKULAM DISTRICT** *Co-operative* **BANK Ltd.**

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Quotation for supply of UPS/Battery for the financial year 2016-17

We invite Quotes for UPS plus Battery / Battery of the following specification, under buyback / direct purchase to meet the requirement for our Head Office /branches during 2016-17. **Please submit the quotation in sealed covers on or before 10-05-2016, 4.00 PM at our IT Department, Head Office, Kakkanad, Kochi -30 .**

(Quantity expecting for one year are given below)

1. 5 KVA UPS System [Input Single Phase – Output Single Phase] with 10 Nos of 40 AH 6 EL Exide Tubular Batteries with appropriate battery stand and connecting cables – 2Nos
2. 3 KVA UPS System [Input Single Phase – Output Single Phase] with 8 Nos of 100 AH 6 EL Exide Tubular Batteries with appropriate battery stand and connecting cables – 10 Nos
3. 2 KVA UPS System [Input Single Phase – Output Single Phase] with 8 Nos of 65 AH SMF Batteries with battery stand and connecting cables - 10 Nos
4. Tubular Batteries - 40 AH 6 EL Exide Tubular Batteries – 30 Nos
5. Tubular Batteries - 100 AH 6 EL Exide Tubular Batteries - 100 Nos
6. SMF Batteries - 65 AH SMF Quanta/Panasonic/Rocket - 100 Nos
7. SMF Batteries - 40 AH SMF Quanta/Panasonic/Rocket - 30 Nos

Buy Back value offered for the following items to be replaced

1. 5 KVA UPS
2. 3 KVA UPS
3. 2 KVA UPS
4. 100 AH 6 EL Exide Tubular Battery
5. 50 AH Exide Tubular Battery
6. 40 AH Exide Tubular Battery

7. 75 AH SMF Battery
8. 65 AH SMF Battery
9. 40 AH SMF Battery

Bank reserves the right to decide on the number based on the actual need.

The quote should be inclusive of all taxes, excise duty, sales tax, Octroi (if any), transportation, handling, installation, and commissioning. The item wise break up of the prices should be clearly given. **The price shall remain firm till one year from the date of Finalizing the Process.**

TERMS AND CONDITIONS FOR SUPPLY OF UPS PLUS BATTERY & BATTERY BANK

1. Eligibility Criteria for Vendor Selection

- a. The bidder submitting the bid should be a Registered Company / Firm having minimum Annual Sales Turnover of at least 1.00 crores for last 3 year
- b. Profit making for the last 3 years
- c. Empanelment with at least two public/private/Co-op sector banks
- d. No adverse record with other bank or our bank (Vendor to submit an undertaking for the same).
- e. Service Support Centre at Ernakulam.
(Sufficient supporting documents has to be submitted)

2. The UPS system must meet the requirements given in the technical specifications enclosed. In case of any discrepancy, the same should be clearly mentioned.

3. The scope of the work included in the quotation consists of supply, installation, testing and commissioning of the UPS along with **isolation transformer** including batteries with 4 hour backup.

4. Batteries:

- a. Tubular Battery make Exide 6 EL
- b. SMF Batteries Make 1.Panasonic 2.Exide 3.Quanta 4. Rocket or equivalent
- c. Battery Stand should be provided with UPS without any extra charge
- d. Manufacturing Declared / Std. Warranty with 3 Year (**OEM Certificate**)

5. Products brochures for UPS and batteries offered should be submitted along with the quotation. Only relevant literature pertaining to the offer should be submitted.

6. The equipment offered shall be complete in all aspects. Any material/ accessories which may not have been specifically mentioned but which are usual or necessary for satisfactory and trouble free operation and maintenance of the equipment, shall be provided without any extra charge.

7. The quotation shall be signed by legal/authorized signatory of the firm/company on all pages of the quotation.

8. The Bank reserves the right to accept or reject any or all quotations in part or full without assigning any reason thereof.

100% payment on satisfactory installation and satisfactory commissioning of the systems.

10. Guarantee:

a. The vendor shall guarantee the equipment/items to be supplied against this quotation against manufacturing defects, faulty designs, use of defective materials, poor workmanship and guarantee performance of the items for a minimum period of **36 months** from the date of acceptance of the system by the Bank.

11. Commitment:

a) The vendor shall provide effective after sales service such that at no time the functioning of the computers is hindered for more than 2 hour.

b) The vendor shall give an undertaking that he commits himself to provide After Sales Service and to provide necessary spare parts for at least a period of 5 years after the warranty period.

12. Warranty and AMC:

a. It is mandatory to provide a minimum of **three year warranty** for the UPS and **THREE years on batteries.**

b. It is mandatory to quote for comprehensive AMC for the UPS and Batteries for a period of two years from the date of expiry of the warranty period.

Offers without quote for a two year AMC will be treated as unacceptable. AMC payment will be made after expiry of each quarter subject to completion of satisfactory service support during the past quarter.

c. All complaints must be rectified within 4 working hours. In case of serious fault wherein the UPS cannot be repaired within 4 working hours, vendor must provide a standby UPS at the location.

13. Jurisdiction:

All matters pertaining to this inquiry shall be subject to the jurisdiction of Ernakulam

14. Arbitration:

All disputes concerning this quotation shall be referred to an arbitrator mutually agreed upon and the decision of the arbitrator shall be final and binding upon the parties hereunto.

Technical specifications/Configuration for UPS System for 2KVA/3KVA/5KVA

Technology & Topology

Fully Microprocessor with PWM technology with IGBTs.

Online Double conversion Type

Input Source Mains/Local Make DG Set (UPS should be compatible to take input from local DG Set)

Active Power Factor Correction In built design

Input power factor Better then 0.93

Input Frequency Range 46-54 Hz

Output power factor VA at 0.7 power factor output

Input (Voltage) 160 V to 270 V

Output (Voltage) 230V +/- 5 % (both for load and supply variations)(Base Voltage adjustable)

Frequency 50 Hz +/- 0.1% (Constant frequency Output)
Waveform (Output) Sine Wave form with TDH less than 3%
Transient response Less than 40 MS for 0 to 100% step load change.

Minimum metering

1. Backup available (Time for which backup available say next 10 Min.)
2. Battery low audio alarm.
3. Output OK indicator.
4. Input/ Output voltage meters.
5. Load Utilization Indicator
6. UPS on Mains/Battery
7. Output frequency

Inverter efficiency Greater than 94%

Size As compact as possible. Pl. State size.

UPS type On line (to act as power conditioner as well as Backup)

Inverter technology Switch mode (PWM with IGBT SWITCHES)

Battery charger Current limited, maximum voltage equal to 2.33 V/Cell.

Maximum charging Current Vendor to specify (Not to exceed 10% of battery capacity)

Back up desired Quote for 4 hour Battery system should have full load for specific Period of 4 hr. of the 100% rated capacity.

Nominal DC Bus of UPS Vendor to specify.

Overload capacity (4 hrs) 110% for 60 min.

125% for 10 min.

150% for 1 min.

Noise level <60db at 1 Meter

UPS Warranty Period Minimum 3 years (OEM Certificate Required)

Battery Warranty Period Minimum 3 year (OEM Certificate Required)