



BANK OF MAHARASHTRA
Pune East Zone.
Kesari Wada, 568 Narayan Peth,
Punè 411 030.

Phone: (020) 24457527 / 24456467 / 24459184; Fax: (020) 24454458.

AX17/UPS/2015/

Date :- 17/06/2015.

Reg :- Quotation for Supply & Installation of On-Line UPS & Batteries.

You are requested to submit your Sealed Quotation **on or before 30th June 2015 3.00 pm**, for **Supply of On-Line UPS Systems along with Industrial grade stationary Tubular or Quantas make SMF - 12V/120 AH Batteries** in the format given as per **Annexure I and technical specifications as per Annexure II** enclosed. Quotation for any AH batteries will be acceptable but preference will be given to 120 TO 150 AH Batteries. Quantity and address for installation will be informed from time to time. There may be requirement of only batteries at some branches and both UPS and batteries at other branches. Quotations are being called against any future requirements in the next six months.

You are requested to submit your quotation & technical specifications in separate packets in the format given in Annexure I AND II attached herewith. Please provide rates for buyback of the UPS, batteries and battery racks being replaced.

While submitting the quotations following points should be mentioned separately.


1	Cost of UPS
2	Cost of Stabilizer – if required. Cost of additional charger, if required.
3	Cost of Batteries
4	Make of Batteries & UPS
5	Technical Specifications of Batteries
6	Total Cost of 1 set of UPS - (i.e. UPS System + Batteries + Stabilizer if required + Taxes + installation charges + transportation charges)
7	Cost to be inclusive of all taxes / levies / transportation charges / other charges. Only Octroi if any will be reimbursed separately on actual basis.
8	Terms of Payment : – 70 % on delivery & successful installation, 20 % after 3 months of installation & satisfactory performance. 10% Security Deposit for a period of warrantee refundable against Bank Guarantee.
9	Warranty Period for UPS & Batteries to be specified separately.
10	After the warranty period is over, you have to enter into AMC for maintaining the UPS & Batteries. The Bank reserves the right to enter into AMC Contract with any vendor. Quote your rate of AMC after warranty.
11	You will ensure periodic checking of batteries – topping up of distilled water (in case of Tubular batteries) during warranty period & AMC period.

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12	Decide the Battery bank considering requirement of minimum 06 hours backup time. In case of need, bank may utilize the service of external agencies for checking the performance of the Batteries, cost of which will have to be borne by you. Inform arrangements of inspection at your end.
13	You should also mention the date by which you can supply the system and install the same.
14	The Bank reserves the right to shift the UPS System / batteries to any of its offices during the period of warranty or AMC period. Under any circumstances you will provide assistance in disconnection, shifting UPS Systems / Batteries and installing the same at new places and will continue your support at new places of shifting on same terms and conditions, at no extra cost.
15	The following items are also to be provided / ensured along with the supply of UPS systems. <ol style="list-style-type: none"> 1. If your UPS requires Stabilizer it should be of same rating as that of the UPS System & should be supplied along with the UPS. State the requirement or non requirement of stabilizer clearly. 2. M.S. Rack for housing batteries. 3. Manual By-pass Switch to be provided. 4. Remote Alarm & Painted Instruction Board to be provided.
16	<u>A separate sheet should be attached giving calculations for ensuring that the batteries provide backup for a minimum period of 6 hours.</u>

The Bank reserves the right to accept / reject any / all of the quotations without assigning any reasons thereof.

Yours faithfully,

Satas

Deputy Zonal Manager
Pune East Zone
Bank of Maharashtra

Encl.: ANNEXURE I & II

ANNEXURE I

[A] QUOTATION FOR SUPPLY & INSTALLATION OF 3 / 5 KVA UPS SYSTEMS ALONG WITH BATTERIES.

DELETE WHAT EVER NOT APPLICABLE.

	DESCRIPTION	3 / 5 KVA On-Line UPS System along with 120 AH Quantas brand SMF batteries / Autobat - 12V, 150/____ AH Tubular WITH MINIMUM 6 HOURS BACKUP
1	UPS Cost	
2	Battery Cost	For TUBULAR__ ah Rs.
3	Battery Rack	
4	Transportation	
5	Installation	
6	Taxes	
7	Octroi	
8	Any Other Cost-Please specify	
9	TOTAL PRICE (1 to 8)	
10	TOTAL PRICE (1 to 8) with TUBULAR 150/ __ah batteries.	
11	Battery Specifications & No. of Batteries required	12V / 150/ ____ AH Industrial Grade Tubular /120 AH Quantas brand SMF batteries.
12	Battery Make	
13	Warranty Period for UPS	
14	Warranty Period for Batteries	
15	Delivery – Within How many Days	
16	Payment Terms	70% on successful installation & 20 % after 3 months of installation & 10% security deposit for a period of Warrantee.
17	Validity of Quotation	

Handwritten mark

ANNEXURE II

ON-LINE UPS SYSTEM TECHNICAL SPECIFICATIONS

PLEASE MENTION SPECIFICATIONS OF YOUR PRODUCT AGAINST OUR REQUIREMENT.
OUR REQUIREMENT IS AS UNDER.

A. AC INPUT

COMPLIED/NOT

- 1. VOLTAGE : 230 V +15 % & -25% single phase.
- 2. FREQUENCY : 50 Hz +/- 5%.
- 3. POWER FACTOR : > 0.9
- 4. CHARGER : IGBT BASED CVLC TYPE
- 5. CHARGING CURRENT : 10 Amp minimum.

B. AC OUTPUT

- 1. VOLTAGE : 230 V +/-1%
- 2. FREQUENCY : 50 Hz +/- 0.5%
- 3. LOAD POWER FACTOR : > 0.9 lag.
- 4. WAVEFORM : True Sinewave
- 5. T.H.D. : < 3% with linear load
- 6. OVER LOAD : 110% of rated load for 30 sec.
- 7. SOUND LEVEL : < 45 db @1 Meter
- 8. GALVANIC ISOLATION : Through Output Isolation Transformer

C. PROTECTION & CONTROLS

- 1. INVERTER : Battery low trip
DC Overvoltage
Output under / over voltage
Output overload
Output short Circuit
- 2. ALARMS : Mains fail for 10 sec.
Battery low Pre Alarm
- 3. INDICATIONS : Mains On
Battery low
Inverter On
Inverter Overload
- 3. METERING : Micro controller based Digital LCD Metering for
Parameters – I/P O/P Voltage , Frequency, Load current,
% Load, Charging current, % Charge
Fault Indications : Output under / over voltage, overload,
Batt low, DC Overvoltage, Mains Off, Inverter Off.

D. ENVIRONMENT

- : Ambient Temperature
Operating 0 C to 50 C
Storage - 0 C to 70 C

E. COOLING

- : Forced Air-Cooling

F. ENCLOSURE

- : Powder coated Steel enclosure with castor wheels
mounted design and removable top & side covers.

X

G. UPS CAPACITY : KVA VDC

TECHNICAL SPECIFICATIONS OF BATTERIES

120 AH SMF Batteries of AMRON make quanta brand OR

12V /150 AH INDUSTRIAL GRADE LEAD ACID TUBULAR BATTERIES

PP container.
Heat sealed.
Proper capacity connectors and links to be used.
Batteries should be in fully charged condition while installing.

OTHER TERMS

CLAUSE BY CLAUSE CONFIRMATION SHALL BE GIVEN.

DEVIATIONS IF ANY SHALL BE EXPLICITLY MENTIONED.

PRICE SHOULD BE QUOTED INCLUSIVE OF ALL TAXES AND DUTIES, TRANSPORTATION, TRANSIT INSURANCE ETC. EXCEPT OCTROI.

ON SITE DELIVERY PERIOD SHALL BE GIVEN. IN CASE OF ANY DELAY IN DELIVERY, LATE DELIVERY CHARGES SHALL BE APPLIED @Rs.200/- WEEK.

ANY DOWN TIME OF UPS ABOVE 5% SHALL BE DEDUCTED FROM S.D. / AMC AT Rs.500/- PER DAY PER UNIT.

QUARTERLY PREVENTIVE MAINTENANCE OF UPS AND BATTERIES SHALL BE CARRIED OUT DURING THE WARRANTY PERIOD WITHOUT ANY EXTRA COST TO BANK.

The technical bid & financial bid should be sent in separate sealed envelope addressed to Zonal Manager at the below mentioned address and it should be reach our office before **30th June 2015, 3 pm** super scribing the envelope with "**Quotation for -- kva UPS & Batteries**".

Address

Zonal Manager,
Bank Of Maharashtra,
ZITC Department,
Pune East Zonal Office,
2nd Floor, Kesari Wada,
Narayan Peth.
Pune 411030.