

# उत्तर बिहार ग्रामीण बैंक

प्रधान कार्यालय, कलमबाग चौक,  
मुजफ्फरपुर, बिहार, 842 001



## Uttar Bihar Gramin Bank

HEAD OFFICE, KALAMBAGH CHOWK,  
MUZAFFARPUR, BIHAR, 842 001

(Sponsored By :: Central Bank of India)

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Head Office

Tender No.GAD/12/2019-20/1799

Date :: 28.02.2019

Sub:: **03/05 KVA single phase on-line UPS System for Computer and equipment.**

**Sealed tenders** in two bid systems (**Technical Bid & Financial bid**) are invited from reputed vendors for UPS of 3KVA and UPS of 05 KVA single phase on-line UPS system of following specifications & Accessories. The tender should be submitted on plain paper or Letter Head in two separate sealed envelopes containing **technical bid** and **financial bid**. These two sealed envelopes should then be enclosed in a single envelope and sealed. Complete tender bids should reach by **25.03.2020 till 02.30 P.M.** The technical bid will be opened on **25.03.2020 at 3.30 P.M.** The financial bid of only those tenderers will be opened who comply with the technical specifications.

**Last date of Submission: 25.03.2020 till 02.30 P.M**

**Date of Opening of technical bid: 25.03.2020 at 3.30 P.M.** Intending bidders may present in opening of technical bids.

### TECHNICAL SPECIFICATION FOR ON-LINE UPS SYSTEM

SN	ITEM	SPECIFICATIONS
1	<b>CAPACITY</b>	03/05 KVA for two hours back up.
2	<b>MODEL / MAKE</b>	Should be Provided
3	<b>TECHNOLOGY</b>	DSP Design/Microprocessor/PWM With IGBT
4	<b>WAVE FORM</b>	Pure Sine Wave
5	<b>INPUT</b>	Isolation Transfer required.
	Input Voltage Range	160 V AC to 270 V, AC Single Phase
	Input Frequency Range	50 Hz +/- 4 %
6	<b>PROTECTION</b>	
	Input Over Voltage Protection	Should be Provided
	Input Under Voltage Protection	Should be Provided
	Over voltage cut off	Should be provided.
	Surge Protection	Should be provided.
	Short circuit protection	Should be provided
	Over Temperature	Should be provided
	Low Battery	Should be provided
	Battery over charge	Should be provided
7	<b>OUTPUT</b>	
	Output Voltage	220 V AC Single phase +/- 1
	Frequency	50 Hz, +/- 0.05 Hz (Free running)
	Over load capacity	120% for 1 minute, 150% for 1 Second
	Total Harmonic Distortion	Less than 3%
	Crest Factor	3:1
	Manual and Auto Bypass Switch	Should be provided

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**Digital meter shall be provided for monitoring the following parameters in UPS**

04. Input AC Voltage.  
05. Output AC Voltage current and frequency  
06. Battery Voltage and current
- 8 INDICATORS**
- |                                |                    |
|--------------------------------|--------------------|
| Battery & Load level indicator | Should be Provided |
| On Line                        | Should be Provided |
| On Battery                     | Should be Provided |
| Replace battery                | Should be Provided |
| Over Load                      | Should be Provided |
| Bypass                         | Should be Provided |
| Fault                          | Should be Provided |
- 9 MISCELLANEOUS**
- |                     |       |
|---------------------|-------|
| Overall efficiency  | > 85% |
| Inverter efficiency | > 90% |
- 10 BATTERY**
- |  |                                       |
|--|---------------------------------------|
| Battery Type                           | Sealed Maintenance Free VRLA          |
| Each Battery Voltage                   | 12V each.                             |
| Batteries Make                         | Bidder to specify                     |
| Total DC Bus Voltage nominal           | Minimum 96 VDC                        |
| Back up time                           | 120 Minutes                           |
| Minimum VAH                            | For 3KVA 9600 VAH &<br>5KVA 16000 VAH |
| Number of Battery Banks                | Bidder to specify                     |
| Number of Battery                      | Bidder to specify                     |
| Ah rating of each Battery              | Bidder to specify                     |
| Battery warrantee                      | Min. 03 years                         |
| Minimum Charger Capacity               | Bidder to specify                     |
| Charger Capacity (External & Internal) | Bidder to specify                     |
| Battery Housing                        | Cabinet / Battery Rack                |
| Cable Set                              | Should be Provided                    |
- 11 AUDIBLE ALARM**
- |               |                    |
|---------------|--------------------|
| On Battery    | Should be Provided |
| Low Battery   | Should be Provided |
| Over Load     | Should be Provided |
| Fault         | Should be Provided |
| Mains failure | Should be Provided |
- 12 ENVIRONMENTAL**
- |                       |                              |
|-----------------------|------------------------------|
| Operating Temperature | 0- 40 C                      |
| Humidity              | 90% RH non-condensing.       |
| Noise Level           | < 55 dB at from 1 m distance |
- 14 SERVICE POLICY**
- Service should be given immediately for achieving maximum uptime.
- 15 COSTUMER CARE SERVICE**
- Service centers should be established within our Bank's area (24x7 Call Centre)

**Terms & Conditions:**

**Payment:** 90% against delivery and successful installation will be paid by Head Office 10% after six months after the date of installation on satisfactory performance.

**Warranty of UPS:** Minimum 03 years Warranty for UPS. No additional charges to Uttar Bihar Gramin Bank for replacement of any parts or labour charges.

**Warranty of Battery :** 03 years. No additional charge to Uttar Bihar Gramin Bank for replacement of battery within 03 years.

**AMC :** The quotation must include Annual Maintenance after expiry of 03 years warranty period.

**Dispute :** All disputes will be subject matter of the jurisdiction of the Court situated at Muzaffarpur ( Bihar ).

**Delivery :** Delivery of UPS is to be done at the installation site /location under Uttar Bihar Gramin Bank operational area provided by Bank without charging any extra cost.

**Certification :** The UPS Company should have ISO 9001&14001 certification & BIS Approved ( copy should be enclosed)

**Note:**

- The tender should accompany a compliance chart.
- The rate should be exclusive of all taxes.
- The rate of UPS should be quoted with battery and without battery also.
- The rate should be inclusive of all charges, transportation, installation, etc.
- The model number, make, and a printed literature of the product shall be submitted positively
- Number of installations with a list of customers (with proper documents) of such equipment in India in last five years.
- Authorized Dealership Certificate is must, in case principal manufacturing company is not quoting directly.
- The tender notice number and the name of the instrument should clearly be written on envelope.
- Technical support in Muzaffarpur be available with other Centre/districts of North Bihar.
- Guarantee certificate, users manuals etc. are to be handed over to the user after successful commissioning of the system.
- The Bank authority does not bind itself to accept the lowest tender /bid.
- The Bank reserves the right to reject any or all of the tenders received without assigning any reason thereof.
- Conditional/incomplete documentation shall be summarily rejected.

