

Annexure 1

| | Description | Criteria Matching (Yes/No) | Remarks |
|---|---|----------------------------|---------|
| | 40 kva online UPS 3PH IN & 3 PH OUT with batteries under buy back of old 40kva UPS with 12V 26AH 30 nos Rocket battery | | |
| | Make and Model of 40KVA online UPS | | |
| 1 | Supply, installation, testing & commissioning of following rating UPS having the following specifications in addition to detailed tender requirements : | | |
| 2 | True online double conversion, IGBT Rectifier & inverter based UPS. Three phases Input/ three phase output. Input voltage operations on mains without switch over to battery : 340-478V at 100% load, 220-478 V @ 50% load. | | |
| 3 | Input power factor 0.99 @ 100% linear load, input THDi ≤5% @ 100% linear load. | | |
| 4 | UPS shall carry design output at 40 deg. Crest factor 3:1, . | | |
| 5 | Output THD is less than 2% for full linear load & Less than 5 % for nonlinear load. | | |
| 6 | Output Power factor 0.9 | | |
| 7 | Over load 125% for 10 min, 150% for 1 min | | |
| 8 | Parallel communication port, USB, EPO and SNMP interface, BMS interface, Dust Filter at Air Inlet point are required. | | |
| 9 | LCD Display indicating all important parameters. | | |
| 10 | To improve the UPS Security over LAN/WAN the SNMP card provided with UPS shall be having Cybersecurity enhancements for IEC & UL 2900-2-2 certification, including stronger encryption, configurable password policy. The card shall work on GIGABIT Speed and should support all major protocols. | | |
| 11 | Input, Output, Bypass, Manual Bypass isolators shall be inbuilt inside the UPS. | | |
| 12 | UPS shall be provided with Temperature Humidity Sensors to monitor Temperature and Humidity over LAN through SNMP card Software. | | |
| 13 | SMF batteries complete with MS Fabricated battery rack to accommodate the all battery system. Suitable for 30 Min backup on Full load at 0.8 Load P.f., Battery Flexible design shall be available from 32 to 40 Battery type should be Valve regulated lead-acid (VRLA). Battery Calculations to be submitted for approvals before supply. | | |
| 14 | UPS system shall be parallelable upto 4 units. Each UPS shall be compatible for working in parallel redundant mode with other and should be able to be used with Lithium Ion Batteries if required in future. | | |
| 15 | UPS should have wheels for smooth movement. | | |
| 16 | UPS Make: Vertiv, Eaton, APC | | |
| 17 | Battery Make: Exide, Quanta | | |
| 18 | 1 x 40 kVA / 36 KW UPS | | |
| 19 | No of Batteries to be supply along with the UPS-12v 42AH- 32 Nos | | |
| 20 | Certificate for spare availability up to 10years for the quoted model to be provided along with technical bid | | |
| 21 | Authorisation certificate from the OEM must be included in the technical bid | | |
| 22 | Unpacking and shifting of the instrument including manpower during installation must be in the vendor scope. | | |
| 23 | Dismantling of Old UPS and batteries and installation of new UPS and batteries along with RMP including cable upto ground floor (reception) must be in vendor scope. | | |
| 24 | User list must be enclosed for the quoted model supplied to any other institute/Organization in Delhi and NCR. | | |
| 25 | Min.3 Customer satisfactory / performance certificate for specific quoted model from the end user should be included in the quote. | | |
| 26 | Warranty 2 years including all spares , PM kit and calibrations of instrument on regular basis as and when required. | | |
| 27 | Consumables required during installation to setup the new instrument must be quoted along with the instrument. | | |
| 28 | Site inspection certificate to be enclosed in the technical bid duly signed and stamped by the supplier. | | |
| 29 | Company must provide a compliance statement supported by technical literature and website. | | |
| OPTIONAL TO BE QUOTED SEPARATELY | | | |
| 30 | AMC & CMC Charges for next three years after standard warranty must be quoted in optional item | | |

Quotation for supply, installation, testing and commissioning of 40KVA Online UPS 3 Phase In and 3 Phase Phase Out, with batteries and Electrical items Under buy back of Existing Eaton 40KVA UPS with 12V 26AH 30nos Rocket batteries

To
**International Centre for Genetic Engineering and Bio Technology,
 Aruna Asaf Ali Marg
 New Delhi - 110 067**

| S. No | Item Description | Quantity | Unit of Measure (Pcs/Pkt/ KG/Ltr/mtr /etc) | Basic Rate (Per Unit) | Discount (per Unit) | Net Rate (per Unit) | VAT / Service Tax (%) | Total Cost (Per Unit) (inclusive of taxes) | Amount |
|--|---|----------|--|--------------------------|------------------------|------------------------|-----------------------|--|-------------|
| | | (x) | | (a) | (b) | c = (a - b) | d | e = (c + d) | f = (x * e) |
| 1 | Supply, Installation and ,Commissioning of Online 40KVA UPS 3 PH In -3 PH Out. | 1 | Pcs | 0.00 | 0.00 | 0.00 | 0.00% | 0.00 | 0.00 |
| 2 | Battery – 42 AH/12V Quanta/Exide Make (32 nos) | 1 | Set | 0.00 | | 0.00 | 0.00% | 0.00 | 0.00 |
| 3 | Buy Back of Existing Eaton 40KVA UPS and batteries only with Rocket battery 12V 26AH, 30nos | 1 | Set | 0.00 | | 0.00 | 0.00% | 0.00 | 0.00 |
| 4 | Remote monitoring system with SNMP card & Relay | 1 | Set | 0.00 | | 0.00 | 0.00% | 0.00 | 0.00 |
| Supply, Installation, testing, commissioning for below Electrical Items required for 40KVA UPS: | | | | | | | | | |
| 1a | UPS Input/Output MCCB with box 125AMP TPN with thimbles. | 2 | nos | 0.00 | | 0.00 | 0.00 | 0.00 | 0.00 |
| 1b | Copper single core flexible cable 35Sqmm with thimbles | 35 | meter | 0.00 | | 0.00 | 0.00 | 0.00 | 0.00 |
| 1c | Battery to Battery cable 35sqmm | 40 | nos | 0.00 | | 0.00 | 0.00 | 0.00 | 0.00 |

NOTE: Existing DC breaker, battery rack will be used with the new UPS.

Grand Total 0.00

TO BE FILLED BY VENDOR

Date of Quotation _____ Service Tax / TIN / VAT No. _____

Validity of Quotation - 90 Days Other Terms (Please Specify) _____

Delivery Terms - in _____ Days Payment Terms - within 30 days from the date of commissioning of the UPS
 Name of the Vendor _____

Note
Warranty 2 years for UPS & Batteries
Authorization Certificate from OEM should be attached with the bid.
Installation will be done by Company Engineer.

Signature _____