NOTICE INVITING TENDER

Odisha Electricity Regulatory Commission (OERC) invites sealed tenders for supplying, installing, testing and commissioning Uninterruptible Power Supply (UPS) System (10 KVA with Tubular Battery) at their new Office Complex for OERC at Chandrasekharpur, Bhubaneswar. Details of the tender are available on OERC’s website www.orierc.org.

Sd/-
SECRETARY I/c
NOTICE INVITING TENDER

Odisha Electricity Regulatory Commission (OERC) invites sealed tenders for supplying, installing, testing and commissioning Uninterruptible Power Supply (UPS) System at their new Office Complex for OERC at Chandrasekharpur, Bhubaneswar. Details of tenders are as under:

<table>
<thead>
<tr>
<th>a.</th>
<th>Name of the work</th>
<th>10 KVA UPS System with Tubular Battery Backup for 1 hour as per technical specifications given in the following pages.</th>
</tr>
</thead>
<tbody>
<tr>
<td>b.</td>
<td>Time allowed for completion</td>
<td>40 days from the date of purchase order.</td>
</tr>
<tr>
<td>c.</td>
<td>Earnest money deposit (Refundable)</td>
<td>3,000 /-(Three Thousand only) in the form of Crossed demand Draft / cheque drawn in favour of “OERC FUND” and payable at Bhubaneswar</td>
</tr>
<tr>
<td>d</td>
<td>Pre-Bid meeting of the vendors</td>
<td>Dt– 17/06/2015 at 15.30 Hrs. at OERC, Bidyut Niyamak Bhawan, UNIT VIII,BHUBANESWAR</td>
</tr>
<tr>
<td>e</td>
<td>Last date &amp; time of receipt of tender</td>
<td>Dt – 26/06/2015 at 14.00 Hrs.</td>
</tr>
<tr>
<td>f</td>
<td>Address at which the tenders are to be submitted</td>
<td>Secretary OERC, Bidyut Niyamak Bhawan, Unit-VIII, Bhubaneswar - 751012</td>
</tr>
<tr>
<td>g</td>
<td>Date &amp; time of opening tenders:</td>
<td>Dt- 26/06/2015 at 15.30 Hrs</td>
</tr>
<tr>
<td>h</td>
<td>Place of opening tenders:</td>
<td>OERC, Bidyut Niyamak Bhawan UNIT VIII,BHUBANESWAR</td>
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<tr>
<td>i</td>
<td>Defect liability period:-</td>
<td>12(Twelve) months from the date of Commissioning.</td>
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<td>j</td>
<td>Validity of offer.</td>
<td>3 (three ) months from the opening of the bid.</td>
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<tr>
<td>k</td>
<td>Liquidated Damages</td>
<td>0.5% per week to a maximum of 5% of the order value.</td>
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</table>

Eligibility of the bidder :- The party should be an authorized dealer / business partner of APC / EMERSON / GE / GUTOR / NUMERIC having presence in Odisha for the last 3 years with service centre at Bhubaneswar. It should have the income tax clearances and TIN no.

In case the date of opening of tenders is declared as a holiday , the tenders will be opened on the next working day at the same time. Odisha Electricity Regulatory Commission has the right to accept/ reject any / all tenders without assigning any reason thereof.

SECRETARY
OERC, Bhubaneswar
## Technical Specification of 10 KVA UPS System

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>PARAMETERS / FEATURES</th>
<th>SPECIFICATION</th>
<th>REMARKS</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>POWER RATING</td>
<td>10 KVA</td>
<td></td>
</tr>
<tr>
<td>2.</td>
<td>Make</td>
<td>APC/Emerson/GE/GUTOR/Numeric</td>
<td></td>
</tr>
<tr>
<td>3.</td>
<td>TYPE</td>
<td>Type True Online PWM IGBT based Double Conversion Technology with frontend IGBT (Rectifier &amp; Inverter both should be IGBT Based)</td>
<td></td>
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</tbody>
</table>
| 4. | INPUT PARAMETERS | Voltage Nominal --415 VAC  
Voltage Range- 340V to 460VAC  
Frequency Range-47-53 Hz  
Phase-Three Phase, 4Wire | |
| 5. | OUTPUT PARAMETERS | Phase-Single Phase  
Voltage-230 VAC  
Voltage Regulation- +/- 1% Typical  
Frequency – 50 Hz  
Frequency regulation: + 0.5 Hz in free running mode and  
+- 3Hz in sync mode  
Wave form- True Sine wave  
Harmonic Distortion- < 2% with Linear load  
< 5% on Non-linear load  
Power Factor: 0.9 Lagging  
Load Crest factor: 3:1 (Comply with IEC 62040-3) | |
Minimum VAH: 24000  
Battery Type: VRLA Tubular Battery Exide make Only along with Rack, Interlink Cable etc.  
DC Ripple: <1%  
Battery isolation from DC Bus. | |
| 7. | INVERTER | Sine wave PWM Technology with IGBT as switching devices. Overload rating: 120% for 30 Mints.  
150% for 10 Sec | |
| 8. | BY-PASS | Static Switch and Maintenance bypass switch  
Voltage: Single Phase, 230V AC  
Overload rating: 100% for 60 milli seconds  
Transfer Time: Less than 5 milli seconds in Sync mode | |
| 9. | ISOLATION | UPS output Isolated from Mains Input. Inbuilt Isolation Transformer in output. | |
| 10. | GENERAL PARAMETERS | Operating Temperature: 0-45 °C  
Storage: -20°C to +65 °C  
Relative humidity: 0 to 95% without condensation  
Noise Level: Less than 60db at 1 mtr. | |
| 11. | MECHANICAL PARAMETERS | Enclosure protection: IP-20  
Installation on Castor Wheels.  
Simple operating Controls. | |
<p>| | | |</p>
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</thead>
</table>
| 12. **INDICATIONS (LED)** | a) Mains On  
b) Inverter On  
c) Battery On Charge  
d) Mains abnormal  
e) Phase fail  
f) Low Battery Imminent  
g) Battery Over/Under Voltage  
h) Inverter Over/Under Voltage  
i) Inverter Overload  
j) Overheat  
k) Load on Inverter  
l) Load on Bypass  
m) % of Battery |
| 13. **PROTECTIONS** | a) Input Over/Under Voltage  
b) Phase fail  
c) Overload at the output  
d) SOAR protection of IGBTs  
e) Output AC Over/Under Voltage |
| 14. **METERING (DIGITAL)** | a) AC Input/Output Voltage  
b) Load percentage  
c) DC Voltage  
d) Battery Percentage  
e) Output Frequency |
| 15. **AUDIBLE ALARAM** | a) Load on Bypass  
b) Manual bypass ON  
c) Mains abnormal  
d) Low Battery Imminent  
e) Battery Over/Under Voltage  
f) Inverter Over/Under Voltage  
g) Inverter Overload  
h) Overheat |
| 16. **Technical Literature** | Coloured & printed or catalogue should be attached complying the above technical points. Deviation if any should be clearly mentioned. |
| 17. **Warranty** | Two Years on UPS and Three years on Battery (on site from the date of commissioning) |
| 18. **Service set up** | 24x7 Service centre in Odisha for last three years. Furnish details like E-mail, Telephone and detail address of Service network with name of at least three service engineers. |
| 19. **Others** | Similar rating or above if any Installation in the state of Odisha will be added advantage. Copy of PO should be enclosed. Recommendations from your clients on the service provided to them will be given due credit in the process of selection of the vendor. |
| 20. **Certification** | Necessary certificates like ISO 9001-2008, ISO 14001, CE etc. may be provided for various certifications achieved by the OEM. |