

**ODISHA ELECTRICITY REGULATORY COMMISSION
BIDYUT NIYAMAK BHAVAN, UNIT – VIII
BHUBANESWAR – 751 012
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No.Adm/31/(Vol.III)/2015/725 Date: 10.06.2015

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

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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:

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

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

Sl. No.	PARAMETERS / FEATURES	SPECIFICATION	REMARKS
1.	POWER RATING	10 KVA	
2.	Make	APC/Emerson/GE/GUTOR/Numeric	
3.	TYPE	Type True Online PWM IGBT based Double Conversion Technology with frontend IGBT (Rectifier & Inverter both should be IGBT Based)	
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)	
6.	D.C. PARAMETERS	Minimum Back up time: 1 hour. 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.	

12.	INDICATIONS (LED)	<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> 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)	<ul style="list-style-type: none"> a) AC Input/Output Voltage b) Load percentage c) DC Voltage d) Battery Percentage e) Output Frequency 	
15.	AUDIBLE ALARAM	<ul style="list-style-type: none"> 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.	