

**Odisha Urban Infrastructure Development Fund (UIDF)  
Fortune Towers, Zone- A/2, 4<sup>th</sup> Floor, Bhubaneswar-751023**

## **NOTICE**

### **Inviting Quotations for Procurement of 10 KVA Online UPS for Office of the Odisha Urban Infrastructure Development Fund (UIDF)**

Sealed Quotations are invited from interested reputed Supplier/ Dealer for Procurement of 10KVA Online UPS for Office of the Odisha Urban Infrastructure Development Fund (UIDF), a Trust under H&UD Department. The preferred Specification for 10 KVA Online UPS is given in the Annexure:

The Hardware procured would be inclusive of Installation and Configuration Charges with 3 years Onsite Warranty. The last date for submission of Sealed Quotation /Tender is dated: 24.07.2018 up to 03:00 P.M.



**F.A-cum-Administrative Officer, UIDF**

17.7.2018

# ANNEXURE

## Specification for procurement of 10KVA Online UPS

SI No	Features	Qualifying Minimum Requirements
1.1	System Configuration	10KVA/8KW online inbuilt isolation transformer UPS system
1.2	Technology	True On line Double conversion, using IGBT for both Rectifier and inverter section.
1.3	Rectifier Technology	The rectifier/Charger shall be a only high frequency PWM designed using Insulated Gate Bi-polar Transistors (IGBTs).
1.4	Modes of Operations	Double Conversion True On-Line.
1.5	Emergency	In the event of an output bus failure or an extreme overload condition, the load shall be transferred, seamlessly and without interruption to a fully rated static switch.
<b>Rectifier Input</b>		
1	Input Voltage	230 VAC 3 Phase
2	Input Voltage Facility	(160 V to 300 V)
3	Input Voltage Range in at 50% load	110V to 300V
4	Input Frequency	50 Hz
5	Input frequency Range	47Hz to 52.5 Hz
6	Input current Harmonics	<5% at 100 load and
7	Input Power Factor	0.99
<b>BYPASS</b>		
1	Static Bypass switch	A Build in static transfer switch shall be provided as integral part of the UPS
2	Input Voltage	230VAC, 03 Phase
3	Rated Frequency	50 Hz
4	Transfer Time	0 ms
<b>OUTPUT</b>		
1	Rated Power	10 Kva/8000 Watt
2	Waveform	Sinusoidal
3	Out voltage Voltage	220/230/240 VAC +/- 1% in 03 phase.
4	Out voltage Regulation	+/-1%, for 100% Static Load,
		/-5% dynamic 100% load change,
5	Frequency	50Hz
6	Frequency sync range	47 to 52.5 Hz
7	Frequency regulations	+/-0.1Hz
8	Static Stability	+/-1 Hz
9	Crest factor	03:01
10	Transfer time in normal	0
11	Overall efficiency	>92% 100% Load on Mains and battery.
12	Over Load	101%-109%: 10 min 111%-130%: 1 min
<b>SYSTEM</b>		
1	Emergency Power Off	Emergency Power Off (EPO) to be provided
2	Operating temperature	0 to 40° C at 100% load capacity.
3	Relative humidity	95% non-condensing
4	LED and LCD Display	The UPS should have LCD panel for measuring:-Year, Month, Day, Hour, Minute, Second of occurring events Source and Bypass Input Voltages Output AC voltage, Input, Bypass and Output AC currents, Input, Bypass and Output Frequency, Battery voltages and currents, Internal and battery pack temperature.
5	Communication	RS 232 interface + SNMP card slot to be provided
6	Protection Degree	IP 20 & Inbuilt Galvanic Isolation Transformer should be must.

*Ram*  
17.7.2018