

**RESPONSE TO PRE-BID QUERIES OF TENDER TW-IT-OT/02/2015-16 IT H/W S/W**

Tender No TW-IT/OT/02/2015-16 Tender for IT H/W S/W in OPTCL

Pre-bid Queries are responded and Corrigenda are published as below

Last Date of Submission of Bid is extended to 20-06-2015 13:30 Hrs and Techno-commercial Bids will be opened on or after 20-06-2015 15:30 Hrs, all other conditions remaining the same

CGM(IT)

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**1. Qualifying Requirement Specific to each Schedule of items**

<b>Sl</b>	<b>Item Description</b>	<b>Requirement</b>	<b>Corrigendum</b>	
		<b>A.</b> The annual turnover of the bidder in each FY 2011, 2012, 2013. As per Audited Financial Statement <b>B.</b> Experience of minimum nos of similar projects in 2011,2012,2013 <b>C.</b> Minimum Order value of supply and installation of similar items with a government / PSU / autonomous public body, in a single order	<b>A.</b> The average annual turnover of the bidder in the FY 2011, 2012, 2013. As per Audited Financial Statement	
<b>Schedule- 1 UPSs</b>		<b>A. Not less than ₹ 6 crores</b>	<b>A. no change</b>	
1	650 VA Line Interactive UPS	<b>B. 3 nos of orders</b>	<b>B. No change</b>	
2	6 KVA UPS			
3	10 KVA UPS			
4	30 KVA UPS			
5	100 AH Batteries + Rack			
6	42 AH Batteries + Rack			
<b>Schedule -2 PC, Laptop, Server</b>		<b>A. Not less than ₹ 16 crores</b>	<b>No change</b>	
1	Desktop PC	<b>B. 3 nos of orders</b>		
2	Ultra Thin Laptop			
3	Tablet PC			
4	All in One PC			
5	Laptop			
6	Thin Client Desktop Virtualization			
7	Entry Level Server			
<b>Schedule- 3 Printers, Scanners</b>		<b>A. Not less than ₹ 4 crores</b>	<b>A. no change</b>	
		<b>C. ₹ 1 crore</b>	<b>C. ₹ 39 Lakhs</b>	

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1	Multi-Function Laser Printer	<b>B. 3 nos of orders</b>  <b>C. ₹ 1 crore</b>	<b>B. no change</b>  <b>C. ₹ 26 Lakhs</b>	
2	Scanner-Barcode			
3	B&W Printer Accessories			
4	Color Printer Accessories			
5	i-ball Click Scan A3			
<b>Schedule-4 Software</b>		<b>A. Not less than ₹ 8 crores</b>  <b>B. 3 nos of orders</b>  <b>C. ₹ 1 crore</b>	<b>A. no change</b>  <b>B. no change</b>  <b>C. ₹ 54 Lakhs</b>	
1	Collaboration Suite Team Viewer 3 simultaneous Users			
2	MS Visio			
3	MS Office 2013Std OLP			
4	Adobe Professional 11			
5	Windows Server OS 2012			

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**2. 600 VA LI UPS**

4	<b>Batteries</b>	3.1 Type SMF12 V of 7.5AH type Leak Proof of reputed make 3.2 Backup Time Minimum 20 minutes on for a standard PC (15" TFT Monitor)	4.1 Type SMF12 V of 7AH type Leak Proof of reputed make 4.2 Back Up Time min 20 min on a standard PC 15" TFT Monitor	
5	<b>Output</b>	4.1 Voltage 220 Volts 4.2 Waveform Modified Sine wave 4.3 Transfer Time Less than 10 millisecond 4.4 Total 3 Nos, with surge protector 4.5 50 Hz +/- 10% Hz (under battery mode) 4.6 Noise < 40 db at 1 m 4.7 Power Factor 0.7 4.8 Efficiency> 92 %	5.1 Voltage 220 / 230Volts 5.2 Waveform Modified / Quasi Sine wave 5.3 Transfer Time Less than 10 millisecond 5.4 Total 3 Nos, with surge protector 5.5 50 Hz +/- 10% Hz (under battery mode) 5.6 Noise < 40 db at 1 m 5.7 Power Factor 0.6 5.8 Efficiency> 92 %	
6	<b>Protection</b>	5.1 Low Battery 5.2 Overload Protection to be present 5.3 Overcharge 5.4 Overvoltage	6.1 Low Battery 6.2 Overload Protection to be present 6.3 Overcharge 6.4 Overvoltage 6.5 No load shutdown to be present	

**RESPONSE TO PRE-BID QUERIES OF TENDER TW-IT-OT/02/2015-16 IT H/W S/W**

<b>11</b>	<b>Latest Additional Features</b>	battery saver button to increase battery life optional		
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**3. 6 KVA On line UPS**

<b>Technical Specification</b>		Corrigenda	
UPS Topology	True On line Double Conversion UPS System with IGBT base Rectifier & DSP Controlled technology		
Form Factor	Rack/Tower		3 U Rack mountable as well as Floor Mountable
Output parameter			
Max Configurable Power	6000 VA/4800 Watts(0.8pf)		6000 VA/4800 watts(0.8pf) or higher
Nominal Output Voltage	210/22/230/240 Adjustable		220/230/240 V Adjustable
Bypass	Built-in Bypass and Manual Bypass		Built-in Automatic Static Bypass
Overload Capacity	110 % for 10 Minutes,200% for 5 seconds		AC mode : 105 % continuous, 125 % for 1Minutes,150% for 30 secs or better
Input Parameter			
Nominal Input Voltage	210/220/230 & 240 VAC adjustable		220/230 & 240 VAC adjustable
Power factor	>=0.99 at 100% load		
Input voltage range for main	160 V-280 V 110 VAC +/-3 % at 50% Load 176 VAC +/-3% at 100 % Load		160 V-280 V

**RESPONSE TO PRE-BID QUERIES OF TENDER TW-IT-OT/02/2015-16 IT H/W S/W**

operations			
Control panel	LED status display Input , Output voltage, Output Current, Output frequency, Battery Voltage, Battery Charge Discharge Current	LCD display Input , Output voltage, Output Current, Output frequency, Battery Voltage, Battery Charge Discharge Current	
Audible Alarm	Battery Mode-Sounding every 4 seconds, Low Battery-sounding every second, Overload-Sounding twice every second, Fault-Continuously sounding	Battery Mode-Sounding , Low Battery, Overload, Fault	
<b>Environmental</b>			
Operating Environment	0 - 50 °C	0 - 40 °C	
<b>Conformance</b>			
Regulatory Approvals	EN 60950 / IEC 62040-2		
Environmental Compliance	certifications compulsory RoHS 7, Contains No SVHCs	certifications compulsory RoHS, Contains No SVHCs	
Certifications	ISO 9001, ISO 14001, CE	ISO 9001, ISO 14001/ CE	
<b>Battery</b>			
Nos. of Battery	16 Nos. 12V X 42AH	16 Nos. 12V X 42AH or less no of batteries to match Total VAH	

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**4. 10 KVA Online UPS**

Sl No	Features	Qualifying Minimum Requirements	Corrigenda	
5	Power Factor		0.9 to Unity	
6	parallel Redundancy		Support for parallel Redundancy	
7	TVSS		Transient Voltage Suppressor 50K of OEM make / Servo / Schneider  UL 1449 Certified or better, to be provided with UPS	
<b>Rectifier Input</b>				
1	Input Voltage Facility	110-300 VAC +/-3% on 50 % Load 155-300 VAC +/- 3% on 100% Load.	415 VAC +/- 15 % or better for 3 phase	
2	Input Voltage Range at 50% load	100V to 300V	deleted	
<b>OUTPUT</b>				
1	Rated Power	10 Kva/8 KW	10 Kva/9 KW	
8	Transfer time in normal mode	0	0 ms	
9	Overall efficiency	94% at 100% Load	<b>&gt;= 94% at 100% load</b>	
10	Overload Capacity	110% for 10 min	105% continuous, 150% for 30 sec or 110% 60 min, 125% 10 min	
12	Isolation		External Isolation Transformer at UPS input	

**RESPONSE TO PRE-BID QUERIES OF TENDER TW-IT-OT/02/2015-16 IT H/W S/W**

			or Inbuilt Isolation transfer at Output(of OEM make)	
<b>BATTERIES</b>				
1	TYPE	Maintenance free sealed lead acid		
2	Battery Blocks	16 nos. 12V SMF x 100AH Amarraja / Exide / Panasonic	Amarraja / Exide / Panasonic ,16 nos. or less no of batteries of 12V SMF x 100AH	
<b>SYSTEM</b>				
6	Certifications	ISO9001, ISO14001 & CE certificates must be submitted	ISO9001, ISO14001 / CE certificates must be submitted	
7	Agency Approval	EN50091-2 / IEC62040-2,CE	EN50091-2 / IEC62040-2 / CE	
8	Manoeuvrability		Castor wheel mounted	
9	Indicators		LCD display Input Voltage, Output frequency, Battery Voltage, Battery %, Load level LED Mains On, Inverter On, Battery On, Low Battery etc..	
10	Audible Alarm		For fault conditions	

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**5. 30 KVA UPS**

Technical Specification	Requirement		
<b>Input</b>			
DC Voltage Bus	480V DC	312 V- 480V DC or less	
Input Frequency window	<b>40 to 70 Hz</b>	<b>45 to 55 Hz or better</b>	
Bypass	Internal Bypass (Automatic and Manual) UPS should have separate dual input ( One for Rectifier and one for bypass)	Internal Bypass (Automatic and Manual)	
Input Power Factor	0.99 to unity	<b>&gt; 0.9</b>	
<b>Output</b>			
Rating	<b>30KVA / 27KW</b>	<b>30KVA / 24KW or better</b>	
Charging Current	20 Amps	Compatible charger	
Efficiency @ Full Load	94.50% or better	<b>&gt; = 93%</b>	
Isolation	UPS output should be fully isolated by double conversion and in built isolation transformer	UPS output should be fully isolated by double conversion and either, in built isolation transformer at output or external Isolation transformer at Input( OEM make / Servo make ) copper coil, compatible with 30 kva UPS	
Overload Capacity	125% for 10 minutes 150% for 1 minute	105% continuous, 150% for 30 seconds or better	
System AC-to-AC efficiency	92.5% : 100% Load. 92.0% : 50% Load.	Deleted	
<b>Standards</b>			
Quality	ISO 9001,14001, CE, RoHS	ISO 9001,14001, RoHS	

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Circuit Board	The electronic cards inside to have conformal coating to protect from harsh / Moist environment	The electronic cards inside to have conformal coating to protect from harsh environment / Moist environment and dust protection
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**Desktop PC 100+58 nos. quantity**

	Feature	Spec	Corrigenda
12	Ports	Rear I/O 2 USB 3.0,2 USB 2.0,1 VGA,1 RJ-45, (1) RS-232 serial port (1) RS-232 serial port- optional (1) parallel port 3.5mm audio in/out jacks PS/2 keyboard and mouse ports  Front I/O 2 USB 3.0,2 USB 2.0,3.5mm headphone output and microphone jack	Rear I/O 2 USB 3.0,2 USB 2.0,1 VGA,1 RJ-45, (1) RS-232 serial port (1) RS-232 serial port- optional, <b>No parallel port</b> 3.5mm audio in/out jacks PS/2 keyboard and mouse ports  Front I/O 2 USB 3.0,2 USB 2.0,3.5mm headphone output and microphone jack

**6. Laptop**

		Corrigenda
<b>Hard Drive:</b>	500GB 7200 rpm SMART SATA II	500GB 7200 rpm

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	With 3 axis Hard Disk Protection System,	SMART SATA II With 3 axis Hard Disk Protection System <b>or</b> 500GB 5400 RPM SED HDD	
<b>Ports and Connectors:</b>	2 USB 3.0, 1 USB 2.0, 1 HDMI, 1VGA, 1 stereo microphone input, 1 headphone/line out, 1 RJ-45 (Ethernet),1 power connector	2 USB 3.0, 1 USB 2.0, 1 HDMI, 1VGA, Stereo headphone/ mic combo jack, 1 RJ-45 (Ethernet ),1 power connector	
<b>Ports</b>	Media Card Reader - One (1) VGA - One(1) HDMI- One(1) Stereo microphone in -One(1) Stereo headphone/line out -One(1) Power connector -One(1) RJ-45/Ethernet -One(1) USB 3.0- Two(2) USB 2.0- Two(2)	Deleted	
<b>Software;</b>	Microsoft® Office Starter  Pre Loaded : WinZip Basic / WinRAR; Adobe® Flash; Free Adobe Reader, JAVA 6 update 31 Cyber Link Power2Go (Secure Burn, IE 9/10, Team Viewer Free version  Norton Internet security 2014 or higher with 3 yrs Licence	Microsoft® Office Starter  Pre Loaded : WinZip Basic / WinRAR; Adobe® Flash; Free Adobe Reader, JAVA 6 update 31 Cyber Link Power2Go (Secure Burn, IE 9/10, Team Viewer Free version	

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		McAfee / Norton Internet security 2014 or higher with 3 yrs Licence	
<b>Security :</b>	TPM 1.2, Hard Disk Encryption, Ports & Removable Media Control.	TPM 1.2 & Hard Disk Encryption / SED(self encrypting drive), Ports & Removable Media Control.	
<b>Operating System:</b>	preloaded Win 8.1 Proff COA perpetual license	Preloaded Win 8.1 SL English COA perpetual license	

**7. Desktop Virtualization**

		Corrigenda	
Supported OS connector Virtualized Server Support Device Management::	Embedded Linux Windows Citrix Xen / TS plus Remote Assistance, Power / USB Control, Centralize Upgrade	Windows 8.1 Citrix Xen / TS plus Remote Assistance, Power / USB Control, Centralize Upgrade	
<b>Operating System:</b>	Win 8.1 preloaded	Embedded Linux	
<b>Warranty</b>	3 years Next Business day	3 years Onsite	

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### 8. Multi-Function Laser Printer

		Corrigenda	
Print Resolution	Up to 600 X 600 dpi		
Processor Speed	500 MHz	Minimum 350 MHz	
Memory	128 MB	256 mb	
Copying Speed	Black : Up to 15 cpm	Up to 25 cpm	
FAX Memory	Up to 400 pages	Minimum 256 pages	
FAX maximum Numbers	Up to 120 numbers	Minimum 100 numbers	

### 9. **TERMS OF PAYMENT**

For software Purchases the terms of payment is corrected as below

#### For Software Purchases

100% value of the License price with 100% taxes and duties shall be paid after receipt of the following documents:

- I) Bills (in triplicate) duly certified for stock entry and countersigned.
- II) Certificate from AM(IT) IT stores-in-charge for receipt of e-License / paper License
- III) OEM Warranty certificate if any
- IV) Submission of BG

#### Instead of

- I) Bills (in triplicate) duly certified for stock entry and countersigned.
- II) Certificate from AM(IT) IT stores-in-charge for receipt of e-License / paper License
- III) OEM Warranty certificate if any
- IV) Submission of BG
- V) Copy of last installation certificate