



**CSIR-CENTRAL ELECTRONICS ENGINEERING RESEARCH INSTITUTE
(COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH)**

Pilani - 333031 , District - Jhunjhunu, State - Rajasthan, India
Phone: +91-1596-244710 Fax: +91-1596-242135, 242294
Website: www.ceeri.res.in Email: spo@ceeri.res.in

**CORRIGENDUM
(Dated - 23.08.2018)**

Organisation Chain: Council of Scientific and Industrial Research || CEERI-Pilani-CSIR || Purchase-CEERI-CSIR

Tender Title: 42U Server Rack, 32A Metered by Outlet with Switching PDU etc.

Tender Reference Number: 257/HCP-0013/NMC/8-Pur/2018

Tender ID: 2018_CSIR_14323_1

Tender Type: Open Tender

Published Date & Time: 21-Aug-2018 ; 6:00 P.M.

CORRIGENDUM TYPE - Related to misprinting and Complete Technical Specifications

This Corrigendum is in reference to the above mentioned Open Tender Details.

- (1) It is to be noted that Tender Number, at Page No. 13 of the Uploaded Tender Document, has been misprinted as 244/GAP-3132/IIH/8-Pur/2018 which should be disregarded and be read as 257/HCP-0013/NMC/8-Pur/2018.
- (2) On page No. 15 - Schedule of Requirement under Item Description Item no 2 has been misprinted as Item no. 4: 32A Metered by Outlet with Switching PDU, the same should be disregarded and be read as Item no 2 : 32A Metered by Outlet with Switching PDU.
- (3) Moreover, the complete Technical Specifications under Schedule of Requirement as per Annexure - A also contains **Scope of Work** which is included in this Corrigendum and the complete Technical Specifications as corrigendum is mentioned below:

SCHEDULE OF REQUIREMENT

Tender No. **257/HCP-0013/NMC/8-Pur/2018**

Date: 21.08.2018

Item no 1: 42U Server Rack (with all accessories)

S. No.	Item Description
Item no. 4 : 32A Metered by Outlet with Switching PDU	
1	42U Server Rack Width: 600 mm Depth: 1200 mm Front Doors: Tinted glass or perforated steel Rear Doors: Steel, fully perforated, single or dual Load: Load rating of 1000 kgs Brand: APC, Netrack, Uniserv, HP only Warranty: 1 Year or More Onsite

Item no 2: Metered by Outlet with Switching PDU

S. No.	Item Description
Item no. 2 : 32A Metered by Outlet with Switching PDU	
1	<u>Output</u> Overload Protection: Yes Maximum Total Current Draw: 32 Output Connections: 18 or more IEC 320 C13 - (Battery Backup) <u>Input</u> Nominal Input Voltage: 200V, 208V, 230V Input Connections: IEC 309 32A 2P+E Cord Length: 3 meters Acceptable Input Voltage: 220-240VAC Maximum Line Current per phase: 16A/ 32A Maximum Input Current per phase: 16A/ 32A Current Monitoring over IP per socket basis. Field replaceable Network Management module Network and visual alarms Outlet Status LED- Indicate on/off status of each individual outlet Load indicator LED to alerts users of potential overloaded circuits Rack-Mountable with 1U / 0U mounting options Local Current Monitoring Display for real-time metering and load balancing guidance SNMP monitoring & management for multiple trap receivers when events occur Temperature/humidity sensor port to integrate environment and power management in a single appliance Brand: Rackmount, Liebert, APC only Warranty: 1 years or more

Item no 3: 40 KVA Online Ups along with batteries, stand, accessories and installation

S. No.	Item Description
Item no. 3 : 40 KVA Online Ups along with batteries, stand, accessories and installation	
1	<p>Output Power Capacity: 32.0 KW / 40.0 kVA Max Configurable Power (Watts): 32.0 KW / 40.0 kVA Nominal Output Voltage: 400 3PH Output Voltage Note: Configurable for 380: 400 or 415 V 3 Phase nominal output voltage Output Connections: (1) Hard Wire 4-wire (3PH + G) (Battery Backup), (1) Hard Wire 5-wire (3PH + N + G) (Battery Backup), (1) Screw Terminals (Battery Backup) Nominal Input Voltage: 400 3PH Input Connections: Hard Wire 5-wire (3PH + N + G) Emergency Power Off (EPO): Yes Operating Environment: 0 - 40 °C Conformance Approvals: EN 50091-2 Batteries: 200ah 12v SMF Battery System with batteries Accessories: Intercell Connectors, CKT Breaker, DC Cable, BCB Cable, Battery stand, with required communication and manageable accessories Battery Backup: One-hour backup Battery Brand: Amaron, Exide, Luminous, V Guard Only UPS Brand: APC, Emerson, Delta Only Warranty: 1 Year repair or replace for UPS and 24 Months warranty for batteries</p>

Item no 4: Rack Mount Monitor with Keyboard, Touchpad (with all accessories)

S. No.	Item Description
Item no. 4 : Rack Mount Monitor with Keyboard, Touchpad (with all accessories)	
1	<p>Size: 1U, standard rackmount keyboard drawer KVM: Integrated 8 Port Analog KVM Switch 17" Rack LCD Console with Include: All mounting hardware, C13-C14 power cord, Firmware upgrade cable, NEMA 5-15 power cord, PS2 KVM cable, Single user rack mount kit, USB KVM cable, On-Screen Display (OSD), Cable management arm, Quick release tabs Architecture: Scalable Architecture Panel Size: 17.0 Diagonal Inches (431.8 Diagonal Inches) or More Integrated keyboard with number pad USB port for external media Trackball Type: PS/2 Touchpad, USB mouse Slide rails: Quickly and easily install in square, round, and threaded hole racks. Multi-platform Support: Windows, Sun, Unix and Linux compatible. Compatible with Indian Power Supply Standards Brand: Dell, APC, Tripp Lite, HP, Samsung only Warranty: 1 Year or More</p>

Scope of Work

Vendor must supply the power monitoring tools without additional cost with following features:

(The monitoring tool will monitor UPS and PDU)

1. Solution should notify the problems to ensure crucial situations are dealt with in a timely manner.
2. Solution should identify problematic issues before they escalate or export to the data server for analysis.
3. Solution should be scalable access monitoring system that collects, organizes, and distributes critical alerts,
4. View the user interface with a browser. Provides quick access from anywhere on a secure network.
5. Install maintenance releases of firmware remotely using FTP.
6. User-selectable password with strong password rules and reset password mechanism.
7. Integrated the UPS with Radius/AD/LDAP server based for user authentication.
8. Implementing effective Nagios (open-source) monitoring of UPS systems offers immediate notification of power outages and imminent server shutdown faster handling of network, server, application, and service outages.
9. The vendor must provide the cacti (open-source tool) templates to monitor UPS and PDU.
10. The vendor must also provide the online portal to visualize UPS and PDU data using SNMP.
11. The installation and management of software/tool will be included in the UPS solution.

Installation:

1. The vendor must install the supplied UPS and Batteries.
2. The vendor must connect the UPS input and output power cables with the available power panel.
3. Unloading, Unpacking and Positioning of all the Material including Cable Termination etc. will be done by vendor.
4. The installation and commissioning cost will be included in the UPS solution.
5. Complete power testing report shall be prepared by the vendor.

(O.P. Gurawa)
Stores & Purchase Officer