

INDIAN ASSOCIATION FOR THECULTIVATION OF SCIENCE
2A & 2B, Raja S.C. Mullick Road, Jadavpur, Kolkata-700032

Ref. Tender No. : IACS/CCRES/UPS/2023-24/23 dated: 14.08.2023

Sub: 'Supply, installation, testing and commissioning of 02 Nos. of 20 KVA three phase online uninterrupted power supply (UPS) to be configured with the existing UPS system and buy-back of one old 20 KVA UPS along with the AMC of one existing 20 KVA UPS'

Corrigendum-I

Date: 29.08.2023

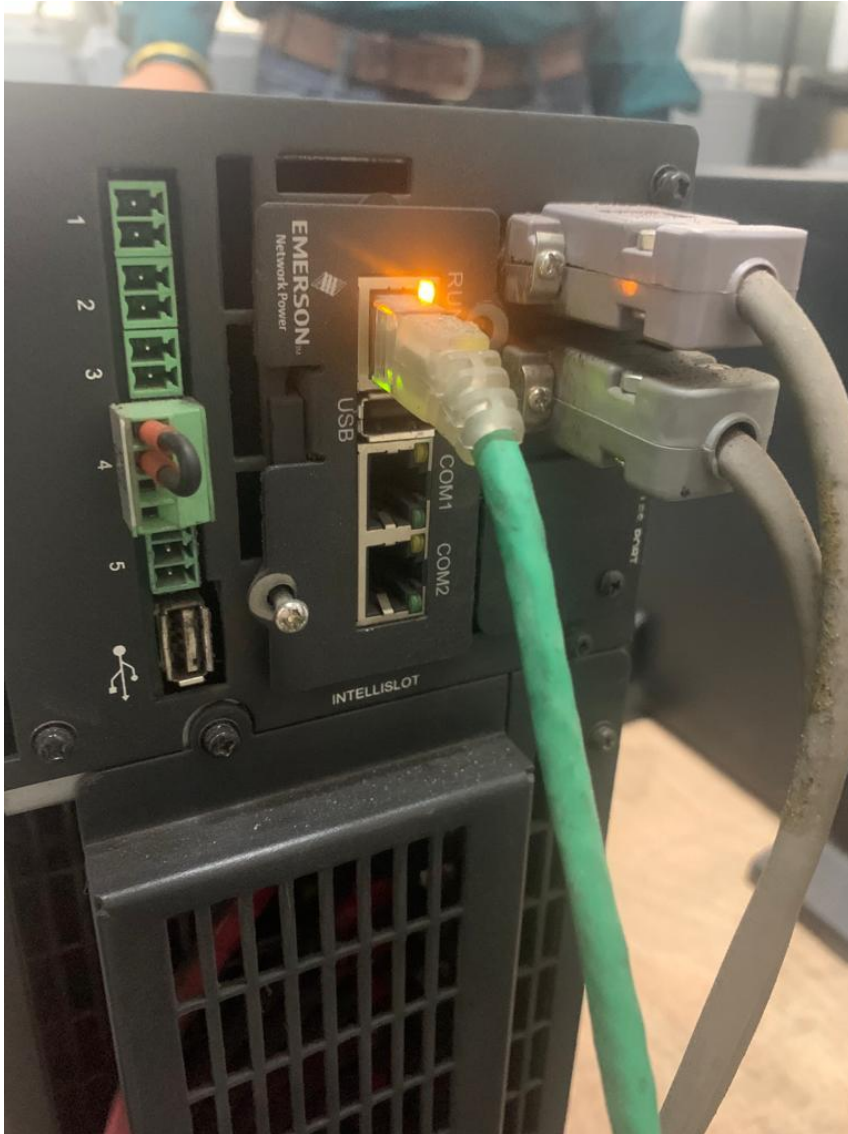
1.2 Technical specification:

TECHNICAL SPECIFICATIONS FOR 20 KVA Three phase online UPS SYSTEM

Serial. No.	Parameter	Required Specification	Revised after Pre-bidmeeting
7.	Output Parameters	- Output power rating at 1.0 pf: 20 KVA /20 KW - Output power factor :Unity - Output voltage precision : +/-3% - Output voltage distortion for <2% for 100% Linear - Load < 5% for 100% Non Linear Load - Output frequency range : 50 Hz+/-2% - Total Harmonic Distortion (THD): <3% - Power Rating at Unity pf : 20 KVA - Output Crest factor capacity : 3:1 - Overload Capacity : at 25°C - Upto 105%~ 125% for 5 mins, Upto 125%~ 150% for 1 mins, Over 150% for 200ms	- Output power rating at 1.0 pf: 20 KVA /20 KW - Output power factor :Unity - Output voltage precision : +/-3% - Output voltage distortion for <2% for 100% Linear - Load < 5% for 100% Non Linear Load - Output frequency range : 50 Hz+/-2% - Total Harmonic Distortion (THD): <3% - Power Rating at Unity pf : 20 KVA - Output Crest factor capacity : 3:1 - Overload Capacity : at 25°C - Upto 105%~ 125% for 5 mins, Upto 125%~ 150% for 1 mins, Over 150% for 200ms Three Phase Output
8.	Batteries	- SMF VRLA Battery: 24-32 Blocks of 12V for each set - Battery VAH should not less than 24960VAH for total 30mins backup .	SMF VRLA Battery: 32 Blocks of 12V for each set, 65AH. - Battery VAH should not less than 24960VAH for total 30mins backup

- Details of existing UPS for AMC purpose:- **Make-Emerson, Model- UHA3R-0200L, 3 Phase In-3Phase Out, UPS Rating-20 KVA. Pictures attached below-**







- Details configuration of existing UPS setup:-As of now, we have 2 existing UPS acting as primary source of supply and total load is divided in these 2 UPS's (but not connected in parallel mode). One of the new UPS that we will procure will replace one of the existing UPS. Another new UPS will be kept as a Hot Standby mode to the new 2 systems.

PRICE BID

Sr. No	Item	Quantity	Make/Model	HSN/SAC Code	Base price	Total Price(Without GST)	GST@	GST Value	Total price with GST
1	20 KVA UPS	02							
2	Buy-back value of old 20 KVA UPS	01							
3	Batteries	32							
4	Accessories (with proper breakup)								
5	AMC cost of existing UPS for 5 years	1	Make-Emerson, Model- UHA3R-0200L	85044090					

	Total GST:	Total Price:
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3. WARRANTY:

The Comprehensive Warranty for the Batteries shall be for a period of 2 years from the date of satisfactory installation, testing, commissioning. The Vendor should also mention the Additional cost of warranty per year up-to 5 years. During the Warranty period the replacement of Battery will be free of cost.

7. ELIGIBILITY CRITERIA AND DOCUMENTS REQUIRED:

7. Manufacturers / exclusive distributors / vendors should have history of supplying this type of UPS to this or other scientific organizations in the last 5 years. Availability of a list in this regard would be preferred.

Registrar