



CORRIGENDUM

Ref. No. IITG/SNP/EP/OE-333/2021-22
Tender ID: 2021_IITG_660308_1.

With reference to the above-mentioned tender notice, the following amendments are being issued. The bidders are advised to consider the following amendments before submission of their bids against this tender. All other terms and conditions shall remain the same.

Annexure-I

Item name: 6KVA UPS

Additional Specification:

Sl. No.	Parameter	Specifications
1.	Configuration	Standalone tower configuration
2.	Technology	True online double conversion UPS with full digital control, IGBT, and static bypass.
3.	Capacity	6 kVA / 5.4 kW
4.	Output power factor	0.9
5.	Nominal input voltage	230 V AC single phase two wire .
6.	Input voltage range	Single phase 160 V AC – 280 V AC
7.	Input THD	≤ 5%
8.	Input frequency	45 Hz – 55 Hz
9.	Input power factor	≥ 0.9
10.	Nominal output voltage	230 V AC, single phase
11.	Output voltage precision	3 %
12.	Output frequency	50 Hz
13.	Output frequency precision	0.25 %
14.	Output waveform	Pure sine wave
15.	Output voltage THD	< 2% for linear load, < 5% for non-linear load
16.	Load crest factor	4:1 (Comply with IEC 62040-3)
17.	Step load performance at 100%	Voltage overshoot and undershoot ≤ 5 %
18.	Transient recovery	Within 3 cycles
19.	Overload performance	125% for 10 minute, >150% for 60 seconds
20.	System efficiency	> 90%
21.	Isolation transformer	Inbuilt (internal)
22.	Alarm and indication	LEDs for notice and alarm
23.	Ambient conditions	Operating temperature: 0 – 40 °C Relative humidity: up to 95% non-condensing
24.	Acoustic noise level	< 50 dB at 1 meter
25.	Display	LCD to indicate AC voltage, battery voltage, battery current, load current, output frequency etc.
26.	Safety	EN62040-1-1
27.	Electromagnetic compatibility	IEC/EN 62040-2
28.	Surge protection	IEC/EN 62040-2, meeting IEC/EN61000-4.5

29.	Protection level	IP 20
30.	Markings	CE
31.	Input Connections	Hardwired
32.	Output connections	Hardwired
33.	Cables for mains and battery	Fire resistant (mention cable manufacturer and type)
	Battery type	SMF, Make: EXIDE/QUANTA/ only
34.	Minimum battery VAH rating	4,992 VAH
35.	Back-up time	30 minutes at 5.4 kW load. It is vendor's responsibility to adequately over-rate VAH rating and demonstrate 30-minute back-up time at 5.4kW load or proportionate longer back-up time at full load with pf < 1. Total number of batteries, voltage of each battery, AH rating of each battery and total VAH rating of battery bank must be clearly mentioned.
36.	Certification	ISO 9001, ISO 14001, ISO 45001, ISO 50001 certified. RoHS Compliance. BIS Compliance.
37.	Test report	Copy of the complete test report from an independent test laboratory accredited by NABL / Government, must be attached.
38.	Service	On-site preventive check-up and maintenance of UPS and batteries every six months in the warranty period and AMC period must be provided. Warranty: 24 months for both UPS and batteries.

**Sd/-
JR(S&P)**