

e-file No. CEM/105/2025-A(P)

Sub-on: D2/12/2025

Inward No:	1926
Date:	01/11/2025
C.E. MUTTATHARA	

Submitted

November 28, 2025

With reference to U.O. Note e-File No. CEM/105/2025-A(P) dated 15.11.2025, I am submitting the specifications of the UPS for the Mechanical Engineering Department. I kindly request that necessary steps be taken to procure the item at the earliest.

Specifications:

Rating in KVA: -5KVA /120 VDC, Online UPS

Technology: Online Double Conversion with inbuilt isolation Transformer, IGBT, DSP and Dual microprocessor controlled system,

Back up Time: 120 Minutes

Input: Nominal input voltage – 170 V-260 VAC, Single Phase Input, Nominal Input frequency -50 HZ +/- 1Hz, Permissible input frequency variation +/- 5%, Input power factor: 0.9, Input current Distortion – I-THD-<=5%,

Output: Nominal output voltage – 220/230 V AC Single phase output, Output power factor=0.8 or higher, Output voltage regulation- +/-1%, Nominal output frequency – 50 Hz, Output frequency tolerance: +/-0.05%

UPS Efficiency: - >85 % and above

Ventilation: Forced, Air cooled

LED/LCD Display: For – Mains on, Inverter on, Battery Low, Overload, Load Percentage, - Battery low Pre-alarm, Trip, Output short circuit protection, Output over/under voltage, Battery over temperature alarm

Battery: 10 Nos (EXIDE or Similar Reputed Brand Acceptable to the Bidder) of 12V/100AH Tubular Batteries with Battery Rack battery cables and connectors etc. and accessories.

Warranty: UPS System -3 Years, BATTERY - 3 Years, Warranty certificate to be submitted at the time of supply.

Mandatory Certification - BIS, and CE Certification

Installation and Commissioning: Included

Bidder's Signature

HoD (Mechanical Engineering)

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