

Consultative Meeting Notification 28/2017
Buyer-Seller consultation on LI UPS dated 27.11.2017

Presented by :

Date :



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Consultative Meeting held on 27th November 2017 for LI UPS with Sellers and Buyers. Following participated in the meeting.

Sellers participants:

- i) M/s. Electrotech
- ii) M/s. Integrated Power Conversion Pvt. Ltd.
- iii) M/s. Best Power Equipments
- iv) M/s. Micro Power Tech Pvt. Ltd.
- v) M/s. Hykon Indian Pvt. Ltd.
- vi) M/s. D.S Systems Pvt. Ltd.
- vii) M/s. Uniline Energy Systems Pvt. Ltd.
- viii) M/s. Tritronics
- ix) M/s. Agmatel Pvt. Ltd.
- x) M/s. Schneider Electrics.
- xi) M/s. VERTIV
- xii) M/s. Inspire Enterprises Pvt. Ltd.
- xiii) M/s. Marcus Computer Technologies.

Buyer participants:

Requests were made to buyers vide e-mail but none of them participated.

1. Following **Golden parameters** were decided based on the suggestions and discussions-

- i) Rating in KVA & Min. VAH Capacity of Battery- 0.5 KVA/84 VAH
- ii) Technology- MOSFET-PWM- IGBT-PWM
- iii) Rated Output : (a) single phase sinewave 230V AC 50 Hz
- iv) Inverter efficiency
- v) Degree of protection : IP21
- vi) Type of Battery: Tubular confirming to IS: 13369 – SMF-VRLA(Confirming to JISC 8702 Part: 1,2&3)
- vii) Warranty for UPS: 1,2 & 5 years.
- viii) Installation & Commissioning Instructions: Yes/No.
- ix) Inverter output socket AC output for printer (not through Inverter) 01): 2 three pin, 3 three pin, Hard wiring
- x) AC output for printer (not through inverter): Yes/No.



2. Changes were decided based on the suggestions and discussions as per attached sheet.

Sl.No.	Parameter	Changes Suggested and finalized during Consultative meeting
1	Rated Output	additional: (b) Single phase Quasi-sinewave 230V AC 50 HZ
2	Variation in AVR Out Put in AC Mode	AVR (Voltage Regulation) output voltage in AC mode : 230 Volts +/- 9%, 50 +/- 3 Hz.
3	Variation in OUT Put Valtage in Battery mode	UPS output voltage in battery mode : 230 Volts +/-10%, 50 +/- 0.5 Hz at Load power factor of not less than 0.6 lag.
4	Inverter Efficiency	> / = 60% also to be incorporated apart from > / = 70%
5	Protection for outside input voltage range	<u>To be added with existing</u> If Input voltage goes outside the range 160 to 280 Volts, the system shall switch over to battery mode.
6	Protection against discharge per 12V battery	Protection against <u>Over discharge</u> to be added
7	Degree of protection	IP 20 also to be added
8	Type of Battery	Tubular battery to be removed
<u>New Parameters suggested</u>		
1	Protection for Over voltage and Over load	Yes
2	Warranty for the battery from the date of delivery	1
3	Warranty for UPS	1, 2, 5
4	Installation and commissioning instructions	Yes, No
5	Inverter Out put socket AC out put for printer (not through inverter) 0 1)	2 three pin 3 three pin Hard wiring
6	AC out put for printer (not through inverter)	Yes No
7	As per Meity (Govt., of India) guidelines UPS shall have valid BIS CRS certifications as applicable	Yes NA presently

Regards

GeM-admin