

Pre-bid response against Tender Enquiry No. TPCODL /P&S/1000002236/2024-25 (6 KVA Online UPS with battery along with 6 Years warranty at TPCODL

Sr. No.	Detailed Reference to concerned Document . Please specify Document No / Clause No / Page No	Description as per Bid Document	Query / Clarification / Deviation	TPCODL Response
1	2	3	4	5
1	ANNEXURE II/Technical Specification/SL. no:22/Page no:22	Preferred Make of Online UPS: Vertiv/APC/ DELTA/ ABB	Request you to consider Fuji Electric/EATON brands also.	Tender Clause 22 of Annexure-II is to be read as "Preferred Make of Online UPS: Vertiv/APC/ DELTA/ ABB/EATON"
2	The technical requirements of 6 KVA Online UPS	Technology: IGBT-PWM With Inbuilt Isolation Transformer.	Not required as per IT load and not available all the OEMs especially mentioned as preferred in tender document. Moreover, the Transformer increases the size (space and weight) as well as the electricity consumption as they reduces the overall efficiency which new technology UPS brings in. Transformer nowadays are not required and there are many installations in TATA Power Transformer free UPSs are used from last so many years. So pl exclude it inbuilt or externally. All four OEMs have Transformer free UPSs available with them so nobody gets non-compliant	Tender clause stands. It may be noted that inbuilt isolation transformer in online UPS is crucial for safety, noise filtering, voltage regulation, and protection from electrical faults to ensure clean, stable power source for sensitive electronics devices.
3	The technical requirements of 6 KVA Online UPS	Input Power: Single Phase, 160 to 260V AC, 47 to 53 Hz.	Pl mention O/p Power Factor of Unity i.e 6kVA=6kW so as to get same capacity in real power from all bidders	This clause is to be read as "Input Power: Single Phase 220V AC $\pm$ 15%, Frequency 50Hz $\pm$ 6%"
4	The technical requirements of 6 KVA Online UPS	Overload: 110% for 10 minutes, 125% for 1 minute or better	OVERLOAD - < 105%: continuous; 105% ~ 125%: 2 minutes; 125% ~ 150%: 30 seconds at 6kW load as per industry standard This parameter differs from OEM to OEM based on their design	This clause is to be read as "Overload: 110% for 2 minutes, 125% for 1 minute or better"
5	The technical requirements of 6 KVA Online UPS	Inverter Efficiency: >85%	Pl add point that overall 95% @ 6kW load	This clause is to be read as "Inverter Efficiency: >85% at any load up to 6kVA"
6	The technical requirements of 6 KVA Online UPS	Battery Backup: Battery Backup of minimum 120 minutes to be provided.	Min. VAH to mention so that all OEMs gives same Battery capacity. VAH = 20160 (84Ah/12V X 20 nos) Make of Battery - Exide/Amararaja/HBL requested to add here in RFP so that no low grade batteries comes from bidders	This clause is to be read as "Battery Backup: Battery Backup of minimum 120 minutes to be provided at full load condition till end of warranty period". Additionally, it is to clarify that following preferred battery make shall be considered Amaron Quanta/Amararaja/Exide.
7	The technical requirements of 6 KVA Online UPS	Metering: LCD display to monitor a) Input & Output - Voltage, Current & Frequency and b) Battery - Voltage & Current	Metering is as per OEM standard as firmware are different with all OEMs. LCD display to monitor a) Input & Output - Voltage, & Frequency and b) Battery - Voltage & Current	This clause is to be read as "Metering: LCD display to monitor Input & Output - Voltage, Current, Frequency and Power alongwith Battery Health"
8	The technical requirements of 6 KVA Online UPS	Warranty: Six year warranty for the Battery and Online UPS to be provided from date of acceptance of equipment at TPCODL office locations.	Battery OEM gives max. 5 years warranty on speical cases only and 6 yrs is not possible from them. UPS can have 6 years warranty but not for batteries. And for 5 yr warranty also, Battery OEM need Ageing(25%) and Design Margin(10%) to cover warranty for 5 yrs Battery sizing from one of the OEM is enclosed with two options for better understanding	Tender Clause Stands. However additional business cost if anticipated by bidder needs to be considered while submitting bid.

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9	The technical requirements of 6 KVA Online UPS	Technology: IGBT-PWM With Inbuilt Isolation Transformer.	Not required as per IT load and not available all the OEMs especially mentioned as preferred in tender document. Moreover, the Transformer increases the size (space and weight) as well as the electricity consumption as they reduces the overall efficiency which new technology UPS brings in. Transformer nowadays are not required and there are many installations in TATA Power Transformer free UPSs are used from last so many years. So pl exclude it inbuilt or externally. All four OEMs have Transformer free UPSs available with them so nobody gets non-compliant	Clarification already provided under point#2 above.
10	The technical requirements of 6 KVA Online UPS	Input Power: Single Phase, 160 to 260V AC, 47 to 53 Hz.	Pl mention O/p Power Factor of Unity i.e 6kVA=6kW so as to get same capacity in real power from all bidders	Clarification already provided under point#3 above.
11	The technical requirements of 6 KVA Online UPS	Overload: 110% for 10 minutes, 125% for 1 minute or better	OVERLOAD - < 105%: continuous; 105% ~ 125%: 2 minutes; 125% ~ 150%: 30 seconds at 6kW load as per industry standard This parameter differs from OEM to OEM based on their design	Clarification already provided under point#4 above.
12	The technical requirements of 6 KVA Online UPS	Inverter Efficiency: >85%	Pl add point that overall 95% @ 6kW load	Clarification already provided under point#5 above.
13	The technical requirements of 6 KVA Online UPS	Battery Backup: Battery Backup of minimum 120 minutes to be provided.	Min. VAH to mention so that all OEMs gives same Battery capacity. VAH = 20160 (84Ah/12V X 20 nos) Make of Battery - Exide/Amararaja/HBL requested to add here in RFP so that no low grade batteries comes from bidders	Clarification already provided under point#6 above.
14	The technical requirements of 6 KVA Online UPS	Metering: LCD display to monitor a) Input & Output - Voltage, Current & Frequency and b) Battery - Voltage & Current	Metering is as per OEM standard as firmware are different with all OEMs. LCD display to monitor a) Input & Output - Voltage, & Frequency and b) Battery - Voltage & Current	Clarification already provided under point#7 above.
15	The technical requirements of 6 KVA Online UPS	Warranty: Six year warranty for the Battery and Online UPS to be provided from date of acceptance of equipment at TPCODL office locations.	Battery OEM gives max. 5 years warranty on speical cases only and 6 yrs is not possible from them. UPS can have 6 years warranty but not for batteries. And for 5 yr warranty also, Battery OEM need Ageing(25%) and Design Margin(10%) to cover warranty for 5 yrs Battery sizing from one of the OEM is enclosed with two options for better understanding	Clarification already provided under point#8 above.
16	Clause 15 of Annexure-II of Technical Specification	Stand: Suitable Stand/ Rack for keeping the batteries to be provided.		This clause is to be read as "Stand: Suitable Stand/ Rack for keeping the batteries to be provided with adequate safety measures alongwith proper cooling arrangement inside the rack"
17	Technical Specification			Technical Bid must be accompanied with Test Certificates for proposed UPS and battery from Standard accredited Lab which should not be older than 24 months from the date of bid submission.

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18	SLA Clause no-2(a)	a) The warranty of the equipment's carries for 5 years. Vendor shall provide maintenance of the UPS for a period 5 years as per terms and conditions laid in this document. Battery replacement / installation is to be done free of cost within the Warranty period of UPS (as per requirement).		This clause is to be read as "The warranty of the entire solution should be as per Technical specification.
19	SLA Clause no-3	• Supply, Installation, Testing, Commissioning and Maintenance of the online UPS. Delivery at site, unloading, handling, installation of complete system including interconnection from the UPS system to batteries and to input/output panels switches. All interconnections shall be done using cables of appropriate sizes		This clause is to read as " Supply, Installation, Testing, Commissioning and Maintenance of the online UPS. Delivery at site, unloading, handling, installation of complete system including interconnection from the UPS system to batteries and to input/output panels switches. All interconnections shall be done using cables/connectors/accessories of appropriate sizes"
20	SLA Clause no-4	The following Warranty clause will form part of the contract placed on successful bidder.The warranty/support period will start from date of completion of installation of solution i.e. from the date on which installation report is signed by the owner. (Bidder have to submit product warranty certificate from OEM end).		This clause is to be read as "The following Warranty clause will form part of the contract placed on successful bidder.The warranty/support period will start from date of completion of installation of solution i.e. from the date on which installation report is signed by the owner/owner's designated person. (Bidder have to submit product warranty certificate from OEM end)."
21	SLA Additional clause			Quaterly health check up of UPS and battery banks alongwith corrective measures to be taken if required as per tender specification which may include replacement of faulty components.