

Prebid query reply, 3rd set, Tender 100000432, UPS

Sr. No.	Detailed Reference to TPCODL Tender document. Please specify Document No / Clause No / Page No	Description as per Bid Document	Remarks - Query / Clarification	TPCODL RESPONSE
1		<p>"The specification aims for the procurement of 2 x 600KVA online modular UPS (N+N configuration) with 3 Phase input and 3 Phase plus Neutral (N) output in dual bus configuration with IEC 62040-3 compliance, fully microprocessor controlled & fully digital UPS Systems along with Li-Ion Battery and at 0.9 load power factor till end of 5th year from the date of commissioning. Lithium Ion battery with chemistry for higher boost shall be provided with accessories Like battery Housing MS racks, battery interconnecting links, Battery circuit breaker (DC Isolator with Semiconductor Fuses) and cable between UPS & Battery Banks."</p>	<p>1- Type of Modular UPS is not clear . As there are three type of Modular UPS in the market :- <ul style="list-style-type: none"> • "Hot Swappable & Fault tolerant" • "Not Hot Swappable & Fault tolerant, • "Neither Hot Swappable Nor Fault tolerant" (This is nothing but a Monolithic UPS with phase wise Modules). All Datacenter UPS (including Tata Power, Delhi) are Hot Swappable & Fault tolerant. We request you to clear this , if you are looking for Monolithic UPS but not true modular UPS then also clear it and remove the word "modular".</p>	<p>This clause is to be read as "The specification aims for the procurement of 2 x 600KVA online modular "Hot Swappable & Fault tolerant" UPS (N+N configuration) with 3 Phase input and 3 Phase plus Neutral (N) output in dual bus configuration with IEC 62040-3 compliance, fully microprocessor controlled & fully digital UPS Systems alongwith Li-Ion Battery and at 0.9 load power factor till end of 5th year from the date of commissioning. Lithium Ion battery with chemistry for higher boost shall be provided with accessories Like battery Housing MS racks, battery interconnecting links, Battery circuit breaker (DC Isolator with Semiconductor Fuses) and cable between UPS & Battery Banks."</p>
2			<p>2- Output Unity Power factor is not defined @40 degree . As many OEM offers derating above 40 degrees . For Example 600KVA=600KW At 35 degrees but 600KVA =540KW @ 40 degrees .And In Data Center environment , UPS should be having capability to work at 40 degree considering AC failure situation. We request you to clear this and align with best practices i.e full rating @ 40 degree C.</p>	<p>This is to clarify that "600 KVA @unity PF" and " Operating temp 0 -40 Deg C" are already mentioned in technical particulars in tender document</p>
3			<p>3- All Lithium ion batteries must be supplied with Inbuilt Rack based Battery Monitoring system as per Global Safety Standard. Battery Monitoring system plays an important role to prevent complete system malfunction and also prevents fire incidents to a large extent. As per tender and pre-bid query there is no such mention . . We request you to clear this for safety of Lithium Ion battery Installation.</p>	<p>This is to clarify that additional features are welcome and non-availability of additional feature shall not result in disqualification.</p>
4			<p>4- Safety certification for batteries should be IS 16046-1/IEC62133-1 which is mentioned in Prebid reply is for Portable Lithium polymer batteries and not applicable for Energy storage system application such as UPS . UL9540a is global safety standard which is getting followed in Lithium ion batteries across the Globe . We request you to clear this for safety of Lithium Ion battery Installation.</p>	<p>This clause is to be read as "...Vendor should submit a detailed third party type test report wr.t. IS IS 16046-1/IEC 62133-1/ IEC 62619:2022 specifies requirements and tests for the safe operation of secondary lithium cells (Safety of Li-Ion Batteries) standard for the offered model (< 2 years old certificate) Relevant Indian Safety standard should be adhered to along with submission of such certificates. ..."</p>
5			<p>1. Type of Modular UPS is not clear . As there are three type of Modular UPS in the market :- <ul style="list-style-type: none"> • "Hot Swappable & Fault tolerant" • "Not Hot Swappable & Fault tolerant " • " Neither hot-swappable nor fault tolerant " All Datacentre UPS (including Tata Power, Delhi and many other enterprises) are Hot Swappable & Fault tolerant. Request TPCODL to kindly clarify that requirement is for hot-swappable and fault tolerant UPS , this so that all OEM quote as per your requirement. ensuring fair competition.</p>	<p>This clause is to be read as "The specification aims for the procurement of 2 x 600KVA online modular "Hot Swappable & Fault tolerant" UPS (N+N configuration) with 3 Phase input and 3 Phase plus Neutral (N) output in dual bus configuration with IEC 62040-3 compliance, fully microprocessor controlled & fully digital UPS Systems alongwith Li-Ion Battery and at 0.9 load power factor till end of 5th year from the date of commissioning. Lithium Ion battery with chemistry for higher boost shall be provided with accessories Like battery Housing MS racks, battery interconnecting links, Battery circuit breaker (DC Isolator with Semiconductor Fuses) and cable between UPS & Battery Banks."</p>
6			<p>2. We request you to kindly clarify that Output Power factor is unity @40 degree. i.e. 600 KVA = 600 KW (at 40 degrees C) , as per your requirement and RFP.</p>	<p>This is to clarify that "600 KVA @unity PF" and " Operating temp 0 -40 Deg C" are already mentioned in technical particulars in tender document</p>
7			<p>3. Safety certification for batteries should be IS 16046-1/IEC62133-1 which is mentioned in Prebid reply is for Portable Lithium polymer batteries and not applicable for Energy storage system application such as UPS . UL9540a is global safety standard which is getting followed in Lithium ion batteries across the Globe . We request you to clear this for safety of Lithium Ion battery Installation. Request TPCODL to kindly clarify that Safety certification for batteries IS UL9540a as per global safety standards.</p>	<p>This clause is to be read as "...Vendor should submit a detailed third party type test report wr.t. IS IS 16046-1/IEC 62133-1/ IEC 62619:2022 specifies requirements and tests for the safe operation of secondary lithium cells (Safety of Li-Ion Batteries) standard for the offered model (< 2 years old certificate) Relevant Indian Safety standard should be adhered to along with submission of such certificates. ..."</p>