



Clarification of Queries received in c/w Tender for DSITC of 2X120 KVA Uninterrupted Power Supply System in N+1 Parallel Redundant Mode at Bank's Office Building, Reserve Bank of India, Chandigarh

With reference to captioned tender (e-Tender no. [RBI/Chandigarh/Estate/175/20-21/ET/245](#)), Bank received various queries from the following firms:

1. Riello Power India Pvt. Ltd.
2. Vertiv Energy Pvt. Ltd.
3. Martech Info Systems Pvt. Ltd.
4. ECS ENGINEERING PVT LTD.

The Bank's clarifications for queries raised by these firms are as follow.

Queries by firm Riello Power India Pvt. Ltd.		
Sr. No.	Queries	Bank's clarification
1.	As per tender EMD required in the form of DD. Hence, we request allow submitting EMD in the form of Bank Guarantee.	EMD is to be submitted by NEFT and details are mentioned in the Tender.
2.	In the tender required isolation transformer in at input site, recently we had supplied 2x120 KVA UPS in Mumbai with inbuilt isolation transformer at output side (Tender No. RBI/Central Office/Premises Department/1/19-20/ET/173 for 2x120 KVA UPS). Hence, we are requesting approve and allow for bid with inbuilt isolation transformer at output side of UPS.	Please follow the NIT/Tender for provision of Isolation Transformer. It is clarified that Isolation transformer is to be provided at the Input side and can be provided either inbuilt or external to the UPS cabinet.
3.	Room layout required for UPS, battery & paralleling panel	Dimension of UPS Room: 21ft x 17ft (Approximately). For more details please visit the site and /or get in touch with our Site Engineer Shri Sohan Lal AM-Tech having mobile Number: 9796699613
4.	Input /output cabling & panel in your scope or in supplier scope (Distance Specify)	Please follow the NIT / Tender and it is included.
5.	Cable from UPS to paralleling panel in your scope or supplier scope (Distance Specify)	Please follow the NIT / Tender
6.	Cable from Isolation transformer to UPS in your scope or supplier scope (Distance Specify)	Please follow the NIT / Tender
7.	Earthing cable distance from earth point to UPS, Battery & battery Rack (Distance Specify)	Please follow the NIT / Tender

Queries by firm - Vertiv Energy Private Limited

Sr. No	Specification as per Tender	Description as per Tender	Queries	Bank's clarification
1.	Input and Output Power Supply arrangement:			
	ii. The rate quoted for the UPS System shall also include for the following:			
	A closed IP 54 grade Common Paralleling Output Panel with tinned copper bus bar and a common output circuit breaker of required rating for paralleling each of the UPS outputs from their respective circuit breakers for taking a common output cable to the Bank's Output Load Panel.		Kindly confirm if this panel/box is required for both input & output side. Since UPS system & panel are kept in a closed room, can we supply IP 31 panel for this junction box instead IP 54	Please follow the NIT / Tender.
2.	Voltage THD at 100% Nonlinear load	$\leq 3\%$	Kindly confirm as per standard practice it is <math>< 5\%</math>	Please comply the tender else the tender will be rejected.
3.	Galvanic isolation for neutral: Isolation transformer of suitable capacity must be provided in the system externally on the input side.		Kindly confirm we can provide the isolation transformer on the input side built in the UPS system, as this will save the space with low foot print area	Please follow the NIT/Tender for provision of Isolation Transformer. It is clarified that Isolation transformer is to be provided at the Input side and can be provided either inbuilt or external to the UPS cabinet.

4.	UPS Acceptance testing:			
	<p>The UPS units shall be tested at factory/contractor's premises with 0.9 pf load as per design by the Bank's engineer, before delivery to confirm the technical specifications furnished by the bidder as per the details of the tests mentioned in the tender. Before offering the UPS for acceptance testing, the bidder/OEM should test the UPS as per the detailed tests indicated in the tender and forward the test report in the format provided in the tender for Bank's examination. The test results will be further confirmed/verified during the acceptance testing by Bank's engineer.</p>		<p>For witness tests To & Fro, Lodging and Boarding, Local conveyance shall be borne by customer.</p>	<p>Please follow the NIT/Tender.</p> <p>Tests as per tender are to be arranged by the bidder at their factory in India. However, charges towards Visit of Bank's Engineer for inspection to the factory in India, his lodging, boarding and conveyance are to be borne by the Bank.</p>
	<p>In case the firm provides only resistive load, current corresponding to rated load in KW at 0.9 pf (at 100%, at 75%, at 50% & at 25%) should be passed through the UPS system by providing required amount of resistive load and efficiency may be computed.</p>			
	<p>Tenderers may please note that the UPS system not</p>			

	found to be conforming to the technical specifications set out/accepted in the tender, during the above testing, is liable to be rejected.			
5.	Isolation Transformer	To be provided on input side externally	Kindly confirm Inbuilt Isolation transformer shall be provided in input side	Please follow the NIT/Tender for provision of Isolation Transformer. It is clarified that Isolation transformer is to be provided at the Input side and can be provided either inbuilt or external to the UPS cabinet.
6.	Output voltage Harmonic distortion			
	With Nonlinear load	3%	Kindly confirm as per standard practice it is <5%	Please comply the tender else the tender will be rejected.
7.	Latest Testing standard followed		Kindly confirm we follow IEC 62040 III testing standards.	Latest IEC/ IS testing standard shall be followed.

Queries by firm - Martech Info Systems Pvt. Ltd.

Sr. No.	Queries	Bank's clarification
1.	We are MSME certified organization so requesting for exemption of EMD as per government rule.	EMD exemption is not available from RBI for this tender /work for MSE firms as per the Bank's extant guidelines.
2.	This is about Payment 40% of the quoted rate against erection, testing, commissioning and handing over of the system to the Bank and on submission of a Bank Guarantee amounting to 20% of the contract amount, requesting for Bank Guarantee amount to 10% of Contract amount.	Please follow the NIT/Tender.
3.	Please Confirm the scope of IP54 Output Panel for 2x120KVA UPS (Page no 43), How many breakers at output, Any SLD for the same.	Dimension of UPS Room: 21ft x 17ft (Approximately). For more details please visit the site and /or get in touch with our Site Engineer Shri Sohan Lal AM-Tech having mobile Number:9796699613
4.	Confirm the requirement of Input panel for 2x120KVA UPS, SLD to be provided.	Please contact our site engineer.
5.	please Confirm the length of the cable required from UPS Input Panel to UPS, UPS Output to Output Panel, Earthing cable	Please contact our site engineer.
6.	Scope of Cable tray for above mentioned cable	Please contact our site engineer.
7.	Factory Testing requirement with battery: testing with Same set of batteries to be done at Site where as in Factory, we suggest to get the UPS test done on our resistive load. As batteries are third party items and taking them in excise unit is difficult and required complete installation and dismantling which is not feasible.	Factory testing are to be conducted with available load and not on actual batteries which shall be placed at Bank's site.

Queries by firm - ECS ENGINEERING PVT LTD

Sr. No.	Queries	Bank's clarification
1.	<p>As per tender only "OEM" are allowed- Our OEM M/S FUJI ELECTRIC CONSUL NEOWATT PVT LTD is having factories at CHENNAI & PUNE. He also serves networks in Chandigarh, Haryana & Punjab. Our OEM quotes this type of tender through us. We are his duly authorized service provider.</p> <p>WE HAVE EXECUTED 2X120KVA UPS PROJECTS AT VARIOUS LOCATIONS, COPY OF THE SAME IS ENCLOSED, CLARIFICATION- CAN WE PARTICIPATE IN THIS TENDER ON BEHALF OF OUR OEM M/S FUJI ELECTRIC CONSUL NEOWATT PVT LTD</p>	<p>Please follow the NIT/Tender. Only OEMs are allowed.</p>