

**Pre-Bid Queries Clarifications for Tender No:
CMRL/E&M-O&M/01/UPS BATTERY/2026**

Tender Name: Supply, Installation, Testing and Commissioning Works of UPS Battery Banks (SMF VRLA Battery cells) along with Dismantling of Old Battery Banks including Buyback of Old Batteries for 15 Metro Stations of Phase-1 network.

S. NO	PAGE NO	CLAUSE No	TENDER CONDITIONS	CLARIFICATIONS REQUIRED	CMRL REPLY
1	23	Similar Work Experience	<p>“Supply Installation Testing and Commissioning works for above the range of 2V 240 AH and above of SMF VRLA batteries of minimum 2400 cells and above for online UPS system” in any Central / State Govt Organization/PSU/Railways/ Metro Rail corporations’/commercial office space buildings companies during the last 7 years period from the date of publishing of tender.”</p>	<p>Experience work completed more than or equal to 240 AH capacity orders only – 1.33 Cr – 03 orders or 1.66 Cr – 02 orders or 2.66 Cr – 01 order.</p> <p>Above are the condition as per tender for qualifying w.r.t work completion criteria wherein we bring to your kind notice that battery capacity is not necessarily 240AH/300AH procured in other metros.</p> <p>And for such high value PO’s it will hold multiple ratings i.e. even less than 240Ah like 100Ah or 120Ah or 200Ah.</p> <p>And also, we need to comply the SITC also for such ratings to meet the demand of the tender conditions.</p> <p>In this regard, we request you to kindly relax the condition from “more than or equal to 240 AH capacity” to “more than or equal to 200 AH capacity”.</p>	<p align="center">Refer Addendum-1.</p>

2	20 of 143	d of 15.2	BG submission - Deleted	Original of the BG need to submitted to CMRL or not.	Only e-BG is allowed for EMD, no physical copy submission is required.
3	23 of 143	1. Work experience	7 years ending the last day of month previous to the date of which applications are invited (from 1st Jan 2019 to 31 st Dec 25).	Period should be 1 st Apr 2019 to 31 st Mar'2026. Plz confirm	Refer Addendum-1.
4	23 of 143	1a. Note	lesser than 240 AH is not acceptable	Since the major requirement is for 100 AH & 240AH, the minimum capacity for qualification criteria to be considered as 200AH. Since 240 AH is an odd capacity where M/s CMRL only started taking, many manufacturers will not have supplied 240AH.	Refer Addendum-1.
5	23 of 143	2. Similar Works	2V 240 AH and above of SMF VRLA batteries of minimum 2400 cells and above for online UPS system	All the Metros will operate through online UPS only. Hence credential of Metro jobs should be consider for qualification criteria irrespective of UPS mention or not.	Follow the tender conditions
6	23 of 143	2 Mandatory requirements:	5 years satisfactory operation	The period mentioned in Jan19 to Dec 25 which is 6 years only. It would be difficult to get performance certificate for 5 yrs in the given 6 yrs period. Many of the tenderer will call for performance certificate for 2 years. Also plz note that performance of the batteries is major depends on the user i.e.. maintaining the battery, working condition etc. Hence requested to amend with 2yrs otherwise many manufacture may not qualified.	Note: Jan 2019 to Dec 2025 is a period of 7 years and not 6 years. The observation regarding the period given is not correct. Refer Addendum-1

7	30 of 143	23.2 Power of attorney	Bidder form - 7	Requested to consider the general power of attorney as this all signed by the board of directors.	Follow the tender conditions
8	81 of 143	4.4 Technical Specifications	Inspection must be done by RDSO and Executive/S&T/CMRL (to be nominated) as per above specifications at the Factory Site. Inspection charges of RDSO are to be borne by the contractor. - Deleted	We understand that RDSO inspection is deleted & CMRL will do the factory inspection. Plz confirm our understanding	Pg.no.81, point 4.4 alone stands deleted. (Points 4.1 to 4.3 stands good and to be followed)
9	81 of 143	5.16	Old battery bank to be lifted within 30 days of completion of SITC.	Any delay to issuing clearance to lift the old battery bank will be on CMRL account.	Delay due to contractor shall be considered for penalty, if on account of CMRL side shall be waived off. Applicable for individual batches.
10	82 of 143	5.28	The Contractor using their own equipment like Cell Booster/Charger etc. including any cables as required for the charging.	Power, water, cell booster / charger, load bank / discharger are in buyer scope. Since the delivery period is very short, arranging above item at a time is very difficult.	Follow the tender conditions
11	82 of 143	5.28	Spare battery cells shall be supplied during the end of the DLP period of the supplied batteries as per the communications and the approvals given by CMRL.	Maintaining the same price after 24+8 months is not possible by any vendor. Hence arrange to lift the spare batteries along with main battery or confirm price with price variation clause as per IEEMA.	Follow the tender conditions
12	84 of 143	5.39	The contractor shall provide good-quality Cell pullers and Gas-releasing tools with each delivered battery bank set.	Pullers are not required as the quantity are smaller in nature. Gas - releasing valve is not applicable as the cells will have self-releasing valve.	Ref Addendum-1

13	84 of 143	5.44	All fasteners/nuts/bolts/washers etc. shall be Nickel/Cadmium Coated to prevent corrosion/rusting.	Rack fastener shall be MS fastener & cell fasteners are lead coated MS fastener.	Ref Addendum-1
14	85 of 143	6	DLP for 24 months	DLP period shall be of 27 months from supply or 24 months from SITC whichever is earlier.	Follow the tender conditions.
15	85 of 143	6.1	Contractor shall replace the same within 72 Hrs.	We can attend the complaint within 72 but depending upon the type of complain, number of days will be decided. We need 10-15 days to bring material from factory if any material is required. Penalty is not acceptable.	Follow the tender conditions
16	85 of 143	6.2	If the total number of cells so replaced exceeds 10% in a single Battery Bank	As we don't have the AMC & the battery will be maintained by M/s CMRL and also the battery performance is majorly based on site condition like user maintenance of the battery, working condition etc. Hence this clause to be removed.	Follow the tender conditions
17	85 of 143	7	Work completion	Period of completion for batch A, B & C to be amended to 150 days, 190 days & 220 days respectively as the working hours are 4 hours / per day. This also involve CMRL activities like drawing approval, travel for inspection, FAT, reviewing Test report, issuing MDCC, site clearance for SITC & issuing clearance for taking old batteries. Also note any abnormal in delay i.e. beyond 3 days from your side to be considered for extension of completion period.	Follow the tender conditions.

18	86 of 143	7a.	Liquidated damages for delay	Shall be applicable at the rate of 0.1% per week to maximum 5% on EXW price of undelivered portion only.	Refer Addendum-1
19	86 of 143	8	Warranty:	DLP period shall be of 27 months from supply of 24 months from SITC whichever is earlier.	Follow the tender conditions
20	90 of 143	16.2.1.	Requirement for Wicking Test on Separators	Will provide only test report.	It is the part of type test report and the report shall be provided.
21	92 of 143	16.10.	Nut & Bolts:	MS lead coated	Follow the tender conditions
22	95 of 143	26.2.1	High voltage tests (CI: 7.6 of IS: 1146).	Not applicable. However, we can provide on test report for verification only	It is the part of type test report and the report shall be provided.
23	95 of 143	26.3.0.	Acceptance Tests:	<p>Acceptance Test at factory shall be as per IS only. Below test are not applicable as these are type test as per IS</p> <ol style="list-style-type: none"> 1. 26.3.4. Ampere-hour and watt-hour efficiency test. 2. 26.3.5. Short circuit current test of batteries 3. 26.3.6. Resistance of cell / batteries 4. 26.3.7. Pressure of vent plug connected with battery <p>However, we will provide the test report of similar or higher capacity for verification.</p>	<p>Follow the tender conditions.</p> <p>Refer Addendum-1</p>
24	97 of 143	37.0.	Payment Method:	Plz confirm below payment term: 90% against supply of batteries after deducting old battery price 10% against completion of SITC	Follow the tender conditions.

				Also confirm the payment term for spare cells.	
25	99 of 143	40.0.	Penalty Clause:	Penalty clause to be removed as it also involves CMRL activates.	Follow the tender conditions.
26	102 of 143	9	Discharge test of batteries at 10 hr. rate of discharge to end cell voltage of 1.75 volt per cell to conform to the requirement of IS: 15549/2005 should be carried out by the supplier at the works of manufacturer and at the site.	It is recommended to conduct the test at 10hr discharge. Hence sufficient shut down to be provided by CMRL with power, water, charger / boost charger & load bank / discharger at site.	Refer Addendum-1
27	103 of 143	12	The watt-hour and ampere-hour efficiency and internal resistance value of the battery should be furnished.	This is type test. We will provide test report of similar or higher rating for verification.	Follow the tender conditions. Refer Addendum-1
28	103 of 143	13	The supplier should show the values of internal resistance of all the cells at the time of commissioning at site and the same should confirm the value indicated by them in their technical bid.	Plz remove the clause as it is not possible to match the internal resistance as it depends on site condition & moreover, we will do internal resistance on sample cells at factory.	Follow the tender conditions. Refer Addendum-1
29	-	NA	NA	We do not have 240 Ah model; available next model is 250 Ah.	2V, 240 AH or 250 AH both the capacity shall be accepted without any financial implications to CMRL.
				We do not have test reports from external laboratory as per IS 15549 Standard and we have to make use available third party witnessed test reports as per IEC 60896 – 21 & 22 standard.	Follow the tender conditions.

30	23	Instruction to Tenderers Clause No.20 b 1	<p>Financial Capacity of Bidder:</p> <p>The bidders should have executed three similar works each costing not less than Rs.1,32,80,000/- (Rupees One crore thirty-two lakhs and eighty thousand Only). OR. Two similar works each costing not less than Rs.1,66,00,000/- (Rupees One crore and sixty-six lakhs Only). OR. One similar work costing not less than Rs.2,65,60,000/- (Rupees Two Crores sixty-five lakhs sixty Thousand Only).</p>	We request you to kindly consider one similar work costing not less than ₹2,40,00,000/-, which is approximately 80% of the tentative estimated amount, for qualification purposes.	Follow the tender conditions.
31	23	Instruction to Tenderers Clause No.20 b, 1a	<p>Note:</p> <p>On the work order submitted for the similar works as above, the supply value of the battery cells more than or equal to 240 AH capacity only will be considered as contractual amount to arrive at the financial capacity of the bidder. Lesser than 240 AH capacity battery cells contractual value of work order shall not be considered. All the similar values mentioned above shall be considered as excluding GST.</p>	We understand that the requirement also includes 100Ah capacity; therefore, we request you to kindly consider the supply value of battery cells having a capacity of 100Ah or higher. We request you to kindly consider the similar work values as inclusive of GST.	Refer Addendum-1.
32	23 & 24	Instruction to Tenderers Clause No.20 b 2	<p>Similar Work: -</p> <p>“Supply Installation Testing and Commissioning works for above the range of 2V 240 AH and above of SMF VRLA batteries of minimum 2400 cells and above for online UPS system” in any Central / State Govt Organization/PSU/Railways/Metro Rail corporations’/commercial office space buildings companies during the last 7 years</p>	Since the requirement is also for 100AH, we request you please consider the supply value of the battery cells more than or equal to 100AH capacity.	Refer Addendum-1.

			period from the date of publishing of tender.”		
33	24	Technical Evaluation Scoring criteria:	<p>1. Experience in Similar Works (during last 7 years) – Max 50 marks SITC of capacity of battery cells of more than 2V/240 AH for online UPS systems as detailed below,</p> <p>1.1. SITC of capacity of more than 2V/240 AH with minimum quantity of more than 2,400 cells and less than or equal to 3,500 cells – 30 marks</p> <p>1.2. SITC of capacity of more than 2V/240 AH with minimum quantity of more than 3,500 cells and less than or equal to 5,000 cells – 40 marks</p> <p>1.3. SITC of capacity of more than 2V/240 AH with the quantity of more than 5,000 cells – 50 marks.</p>	Since the requirement is also for 100AH, we request you please consider the minimum battery capacity as 100AH.	Refer Addendum-1.
34	25	3. Additional Projects (Similar Works) – Max 20 marks	3.2. Additional qualified projects should have a minimum of 2V/240 AH capacity of batteries for online UPS system with a quantity of not less than 2400 cells and should have been completed during the last 7 years from the date of submission of bid. (Less than SITC of 2400 cells shall not be considered as additional project work).	Since the requirement is also for 100AH, we request you please consider the minimum battery capacity as 100AH.	Refer Addendum-1.

Note to the Bidders: The above said Pre-Bid Queries and Clarifications to be duly sealed and signed by the authorized signatory of the Bidder and to be submitted along with the bid as part of the Tender Document to complete tender submission (as a proof of having reviewed the above replies).

For Managing Director, CMRL

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Chief Advisor (O&M)**