

“Design, Engineering, Supply & Procurement, Erection, Testing, Commissioning and Comprehensive Operation & Maintenance for 5 (Five) Years for 206 kW Grid Connected Rooftop Solar Photovoltaic Power Project on Rooftop of Receiving substation building, Auxiliary substation building, Traction substation building, Maintenance/Inspection office building and Depot store building in Apparel Park Depot of Gujarat Metro Rail Corporation (GMRC) Ltd.”

**TENDER NOTIFICATION No: GMRC/SYSTEM/RFTP-02/DEPOT/EW/2019 Dated: 09-12-2019, Clarifications dated: 20-12-2019**

Sr. No	Chapter No	Clause No.	Page No.	Tender Term	Query/Request	Clarifications
1	3 ITB	3.2.2 TECHNICAL	39	<p>i. The Bidder shall have an experience of design, supply, erection, commissioning and operation of solar Photovoltaic based grid connected power plant(s) of cumulative installed capacity of 206 KW or above in India during last seven years ending 31-10-2019.</p> <p>ii. The Bidders shall have an experience of design, supply, erection, commissioning and operation of solar Photovoltaic based grid connected power plant(s) capacity during last seven years ending 31-10-2019 in India of;</p> <p>a. Single Project of 165 kW or above or</p> <p>b. Two Projects of 103 kW or above or</p> <p>c. Three Projects of 82 kW or above grid connected solar rooftop Photovoltaic systems except solar lanterns / street light / Standalone system.</p>	<p>1. Kindly confirm, that this is under Single Project or it should be a single system of 165 KW?</p> <p>2. We request to consider multiple systems under Single Project.</p> <p>3. Please confirm that GEDA residential projects will be considered for the eligibility or not?</p> <p>4. Or Project experience as EPC contractor of our client can be consider? (Work order directly from not Government but from our client. We are Approved EPC contractor by Government for the Project)</p>	<p>1. Multiple system under single project in same premise may be considered.</p> <p>2. Multiple system under single project in same premise may be considered.</p> <p>3. Tender condition prevails.</p> <p>4. May be considered, If certificate issued by end client in bidder's name.</p>
2	3 ITB	3.2.2 TECHNICAL	39	<p>i. The Bidder shall have an experience of design, supply, erection, commissioning and operation of solar Photovoltaic based grid connected power plant(s) of cumulative installed</p>	<p>Is commercial rooftop experience through empanelment under GEDA Rooftop Scheme (2018-19) also considerable for the subject tender?</p>	<p>Tender condition prevails.</p>

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				<p>capacity of 206 KW or above in India during last seven years ending 31-10-2019.</p> <p>ii. The Bidders shall have an experience of design, supply, erection, commissioning and operation of solar Photovoltaic based grid connected power plant(s) capacity during last seven years ending 31-10-2019 in India of;</p> <p>a. Single Project of 165 kW or above or</p> <p>b. Two Projects of 103 kW or above or</p> <p>c. Three Projects of 82 kW or above grid connected solar rooftop Photovoltaic systems except solar lanterns / street light / Standalone system.</p>		Tender condition prevails.
3	3 ITB	3.2.3 FINANCIAL	40	iii. The Bidder shall be submitted Solvency Certificate (Liquidity Certificate) which is certified by Bank as per Appendix 21.	Kindly share the Amount of Solvency.	<b>Please refer SN-1 of Addendum – 1.</b>
4	Appendix 1: Format for Covering Letter	Appendix 1: Format for Covering Letter	152		1. As there is a Witness Part do we have to go for the stamping or we have to do the signed up in witness of you ?	1. Witness is not required.

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					2. Which Capacity we have to mentioned, the 206 KW tender capacity of the capacity we completed?	2. Format given under Appendix-1 is self-explanatory.  Tender condition prevails.
5	Appendix 5: Format for project execution plan	Appendix 5: Format for project execution plan	160		In division Scope of work : Do we have to give name of the organization or the planning with date also for the Project detailed schedule do we have to give planning in days or in months ?	Format given under Appendix 5 is self-explanatory.  Tender condition prevails.
6	Appendix 13: Format for Financial Statement	Appendix 13: Format for Financial Statement	173		We already have Summary of Audited Financial Statements prepared, do we still have to fill it according to tender format or we just submitted the cover letter?	Bidder has to fill Appendix 13 and also required to submit audited balance sheets.  Tender condition prevails.
7	Appendix 14: Format of Authorized Parent Company	Appendix 14: Format of Authorized Parent Company	175		As we have Partnership Deed What we should Submit in this Appendix?	Appendix 14 may not be applicable to partnership deed.  Tender condition prevails.
8	Document Check List	Document Check List	213		As there is Project Execution format still do we have to Submit the Chart as both of the part are going to mismatch?	PERT chart need to be prepared & submit in accordance with Appendix 5.  Tender condition prevails.

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9	5. Scope of Work	5.1.1 D ii.	66	Building and Architectural Drawings approvals from relevant authorities, wherever required	Please clarify, Why building drawing approvals is required?	These clauses are general in nature, if applicable.  Tender condition prevails.
10	5. Scope of Work	5.1.1 D iii.	66	Factory inspector approval for drawings, wherever required	Please clarify, Why Factory inspector approval is required?	
11	5. Scope of Work	5.1.1 D v.	66	Fire System approval, wherever required	Please provide the applicable standards for Fire system.	
12	5. Scope of Work	5.4.2 ii.	74	The MMS shall be of non penetrative type. Any type of penetration for fixing of MMS in the roof shall not be accepted.	As mentioned in tender MMS shall be non penetrative but Anchor fastener in slab is mandatory to withstand MMS. Please clarify.	Tender condition prevails.
13	5. Scope of Work	5.4.10	84	Transformer if required and metering	There is no requirement of transformer. If we have to quote with Transformer than rate should be include in BOS Item in Price Bid?	Tender clause is self-explanatory, Tender conditions prevails.
14	5. Scope of Work	5.4.11.3 v)	87	Earthpit shall be maintenance free chemical earthpit with chemical compound and 3 meter copper coated (min 250 micron) electrode.	2 mtr earthing is enough. There is no requirement of 3 meter earthing cable.	Tender clause is self-explanatory, Tender condition prevails.
15	6. General Terms & Conditions	6.42.1	129	In case of equipment for which such Test facilities may not exist in India, test certificates from reputed ILAC Member Labs abroad will be acceptable.	For Inverter, its manufacturing unit is in China. So in that case IEC certificate is valid ?	Tender clause is self-explanatory, Tender condition prevails.

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16	6. General Terms & Conditions	6.11.7	110	At the time of the Performance Ratio Test, any shortfall in the Performance Ratio (PR) as determined through the Test Procedure in the Appendix 16A: Procedure for Performance Testing will attract imposition of Liquidated Damages after one (1) unsuccessful chance. For any shortfall in PR ( <b>Temperature corrected</b> ) below 83% by the Bidder for the second (2) time, a penalty of 1% of the EPC cost of installed capacity of particular plant (including taxes & duties) shall be levied. In case the first the Test is unsuccessful then penalty shall not be charged but the Contractor has to make the necessary corrections to conduct the test again within the stipulated maximum 10 (Ten) days. In the second (2nd) time, a penalty at the rate specified above shall be levied on the Contractor. The penalty shall be deducted from the pending payment and Performance Bank Guarantee and O&M period shall start irrespective of result of performance ratio test.	<b>PR should be 83 %</b> .which is not possible to achieve because Generation guarantee depends on weather condition and solar irradiation and now a days the weather condition is not predictable so we hereby request you that <b>PR value should be 75 % instead of 83 %</b>	Tender condition prevails.
17	6. General Terms & Conditions	6.17.10	119	Performance Ratio (PR) as per the GHI levels of the location, PR (temperature corrected should be	<b>PR should be 83 %</b> .which is not possible to achieve because Generation	Tender condition prevails.

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				shown minimum of <b>83%</b> at the time of inspection for initial commissioning for clearing the System Acceptance Test” Definition of Performance Ratio to be included in RFP which is to be read as “Performance Ratio (PR) means the ratio of plant output versus installed plant capacity at any instance with respect to the radiation measured.	guarantee depends on weather condition and solar irradiation and now a days the weather condition is not predictable so we hereby request you that <b>PR value should be 75 % instead of 83 %</b>	
18	8. Operation and Maintenance	8.1.2	148	The EPC Contractor will also undertake cleaning of the solar systems at regular intervals, however the solar company will not use water jets/ pressurized hoses for the cleaning as the water may enter the internal circuitry laid down around these premises.	Without using water jet /pressurized hoses, how should we clean panel?	<b>Please refer SN.2 of Addendum – 1.</b>
19	General				Kindly clarify whether Third Party inspection/testing of panel/inverter required or not and if third party inspection/testing than who will born charges of inspection and testing.	If third party for inspection / testing of panel / inverter is required by GMRC, then all costs related with third party will be borne by GMRC.