



C/o Meghalaya State Housing Financing Cooperative Society,  
 Upper Nongrim Hills, Behind Bethany Hospital, Shillong, East Khasi Hills District, Meghalaya – 793003 (CIN No. U75144ML2012NPL008509)  
 Phone: +91-364- 2522921/2522992; Website: [www.mbda.gov.in](http://www.mbda.gov.in), E-mail: [admin.mbda@gov.in](mailto:admin.mbda@gov.in)

No. MBMA/173/EOVFSES/2023-24/34

Dated: Shillong, 4th April 2024

<b>Name of the Request for Empanelment (RFE)</b>	<b><i>RFE (REQUEST FOR EMPANELMENT) of Agencies for Installation, Commissioning &amp; Comprehensive Maintenance of Small (30 KW, 50 KW), Medium (100KW, 200KW) &amp; Large (500KW &amp; 1000 KW) scale categories of Multi Source charged Off Grid Solar Inverter System</i></b>
<b>Notice No.</b>	<b>Tender Ref. No: MBMA/173/EOVFSES/2023-24</b>
<b>Pre-Bid Query Replies &amp; Corrigendum</b>	

**1. Pre-bid Queries – J C Infra Corporation Ltd.**

Sr. No.	Part	Clause No. and Page	Original Clause in the RFP	Bidder Justification	Responses
1.	Part – 2 – Data Sheet	Page no. 5	Last Date & Time for Submission of Bids  8th April 2024 by 5:00 PM at the MBMA office and the softcopy of the technical bids to be emailed to <a href="mailto:humanresources@themeghalayanage.com">humanresources@themeghalayanage.com</a>	Dear Sir, you are requested to extend the date of last day by 30 days as it is the starting of financial year and all Govt. offices are occupied in election duty. The offices are unable to find time to issue the required certificates	Last Date & Time for Submission of Bids has been extended to 5pm, 30 <sup>th</sup> April 2024
2.	Part – 3 - Eligibility Criteria for Empanelment of Agencies	Clause 3.3  Page no. 11	The Technical Evaluation of the proposals under Small Scale Category (30KW & 50KW) shall be based on following parameters:  <b>3.3 Technical Evaluation and Financial Bid Opening</b>  3. The agency should have undertaken similar projects of ‘installation, commissioning & comprehensive maintenance of solar energy solutions’ for industries/units in North-East Region. The minimum capacity of each such projects should be 10 Kw.  <b>(2 marks for each project)</b>	SI No. 3 (Page-11 of RFE) It is requested to kindly award 5 marks each for such project.	As per RFE document.
3.	Part – 3 - Eligibility Criteria for Empanelment	Clause 3.3  Page no. 11	The Technical Evaluation of the proposals under Small Scale Category (30KW & 50KW) shall be based on following parameters:	SI No. 5 (Page-11 of RFE) Kindly reduce the number of project to 3 and year of experience to 1 year to encourage wider participation	5. The agency should have undertaken at least 5 (five) projects where AMC has been conducted for a minimum of 2

Sr. No.	Part	Clause No. and Page	Original Clause in the RFP	Bidder Justification	Responses
	nt of Agencies		<p><b>3.3 Technical Evaluation and Financial Bid Opening</b></p> <p>5. The agency should have undertaken at least 5 (five) projects where AMC has been conducted for a minimum of 3 years (5 marks) and up to 10 years (10 marks).</p>		years (5 marks) and up to 5 years (10 marks).
4.	Part – 3 - Eligibility Criteria for Empanelment of Agencies	Clause 3.3 Page no. 11	<p>The Technical Evaluation of the proposals under Small Scale Category (30KW &amp; 50KW) shall be based on following parameters:</p> <p><b>3.3 Technical Evaluation and Financial Bid Opening</b></p> <p>6. In the last 5 (Five) years, the agency should have solely undertaken and completed at least 5 (five) similar projects of same nature* for municipal/ state/ central government, PSUs, any other government funded projects or any registered entities.</p>	<p>1. If project is divided into Groups and if 01 Group is 100% completed, will it qualify under completed project?</p> <p>2. <b>*Similar Projects:</b> Kindly relax the criteria to a minimum of 02 such projects</p>	<p>1. It shall be noted that throughout the RFE, a project is defined as the solar power system commissioned at a single geographic location powering a single enterprise/unit.</p> <p>2. As per RFE</p>
5.	Part – 6 - Annexure I - Technical Specifications	Page no. 19	<p><b>Technical Specification for 30kW Multi Source charged Off Grid Solar Inverter System has been detailed for reference of the agencies bidding for the tender. The agencies shall refer to the below list of materials</b></p> <p>2. Solar Battery, Tabular Battery Lead Acid C10 Rated</p>	It is requested to kindly look into changing this to VRLA Gel batteries as it has a larger life and less maintenance	<p>Solar Battery, Tabular Battery Lead Acid C10 Rated</p> <p>OR</p> <p>Similar capacity VRLA Gel battery</p>
6.	Part – 6 - Annexure I - Technical Specifications	Page no. 19	<p><b>Technical Specification for 30kW Multi Source charged Off Grid Solar Inverter System has been detailed for reference of the agencies bidding for the tender. The agencies shall refer to the below list of materials</b></p> <p>8. Copper Cable (RED + BLACK) 6 Sq.mm As per site 9. Copper Cable (RED + BLACK) 50 Sq.mm As per</p>	These are written "as per site". It is requested that we are given the length of cables to be used. Assuming the site condition without visiting the site it becomes difficult.	<p>8. Copper Cable (RED + BLACK) 6 Sq.mm. 50m 9. Copper Cable (RED + BLACK) 50 Sq.mm. 50m 10. Copper Cable (RED + BLACK) 25 sq.mm. 50m</p>

Sr. No.	Part	Clause No. and Page	Original Clause in the RFP	Bidder Justification	Responses
			site 10. Copper Cable (RED + BLACK) 25 sq.mm As per site		
7.	Part – 6 - Annexure I - Technical Specifications	Page no. 20	<b>Technical Specification for 50kW Multi Source charged Off Grid Solar Inverter System has been detailed for reference of the agencies bidding for the tender. The agencies shall refer to the below list of materials</b>  Solar Battery, Tabular Battery Lead Acid C10 Rated, 2V high rated AH (200AH- 1200AH)	It is requested to kindly look into changing this to VRLA Gel batteries as it has a larger life and less maintenance	<b>Solar Battery, Tabular Battery Lead Acid C10 Rated</b>  <b>OR</b>  <b>Similar capacity VRLA Gel battery</b>
8.	Part – 6 - Annexure I - Technical Specifications	Page no. 20	<b>Technical Specification for 50kW Multi Source charged Off Grid Solar Inverter System has been detailed for reference of the agencies bidding for the tender. The agencies shall refer to the below list of materials</b>  8. Copper Cable (RED + BLACK) 6 Sq.mm As per site 9. Copper Cable (RED + BLACK) 50 Sq.mm As per site 10. Copper Cable (RED + BLACK) 25 sq.mm As per site	These are written "as per site". It is requested that we are given the length of cables to be used. Assuming the site condition without visiting the site it becomes difficult.	8. Copper Cable (RED + BLACK) 6 Sq.mm. <b>50m</b> 9. Copper Cable (RED + BLACK) 50 Sq.mm. <b>50m</b> 10. Copper Cable (RED + BLACK) 25 sq.mm. <b>50m</b>
9.	Part – 6 - Annexure I - Technical Specifications	Page no. 21	<b>Technical Specification for 100kW Multi Source charged Off Grid Solar Inverter System has been detailed for reference of the agencies bidding for the tender. The agencies shall refer to the below list of materials</b>  Solar Battery, Tabular Battery Lead Acid C10 Rated, 2V high rated AH (200AH- 1200AH)	It is requested to kindly look into changing this to VRLA Gel batteries as it has a larger life and less maintenance	<b>Solar Battery, Tabular Battery Lead Acid C10 Rated</b>  <b>OR</b>  <b>Similar capacity VRLA Gel battery</b>

Sr. No.	Part	Clause No. and Page	Original Clause in the RFP	Bidder Justification	Responses
10.	Part – 6 - Annexure I - Technical Specifications	Page no. 21	<p><b>Technical Specification for 100kW Multi Source charged Off Grid Solar Inverter System has been detailed for reference of the agencies bidding for the tender. The agencies shall refer to the below list of materials</b></p> <p>8. Copper Cable (RED + BLACK) 6 Sq.mm As per site 9. Copper Cable (RED + BLACK) 50 Sq.mm As per site 10. Copper Cable (RED + BLACK) 25 sq.mm As per site</p>	These are written "as per site". It is requested that we are given the length of cables to be used. Assuming the site condition without visiting the site it becomes difficult.	<p>8. Copper Cable (RED + BLACK) 6 Sq.mm. <b>50m</b> 9. Copper Cable (RED + BLACK) 50 Sq.mm. <b>50m</b> 10. Copper Cable (RED + BLACK) 25 sq.mm. <b>50m</b></p>
11.	General	Price Bid -	You are requested to give us an excel sheet where prices can be quoted. Financial evaluation will become easier in this manner		An email request can be made to the email id mentioned in the RFE.

## 2. Pre-bid Queries – Green Zone projects

Sr. No.	Part	Clause No. and Page	Original Clause in the RFP	Bidder Justification	Responses
12.	Part – 2 – Data Sheet	Page no. 5	<p>Last Date &amp; Time for Submission of Bids</p> <p>8th April 2024 by 5:00 PM at the MBMA office and the softcopy of the technical bids to be emailed to <a href="mailto:humanresources@themeghalayanage.com">humanresources@themeghalayanage.com</a></p>	<p>It is our sincerest request that you may kindly extend the last date of submission by 30 days. for reasons mentioned below</p> <p>a) The financial year has just ended and all the government offices are busy with their paperwork to such an extent that officers would not be available..</p> <p>b) The Model Code of Conduct has been implemented in the Country, due to which most of the government employees have been allotted election duty, leading to their absence from their offices. This will make it very difficult for any bidder to obtain required certificates to participate in the tender.</p>	Last Date & Time for Submission of Bids has been extended to 5pm, 30 <sup>th</sup> April 2024

Sr. No.	Part	Clause No. and Page	Original Clause in the RFP	Bidder Justification	Responses
13.	Part – 3 - Eligibility Criteria for Empanelment of Agencies	Clause 3.3 Page no. 11	The Technical Evaluation of the proposals under Small Scale Category (30KW & 50KW) shall be based on following parameters:  <b>3.3 Technical Evaluation and Financial Bid Opening</b>  3. The agency should have undertaken similar projects of ‘installation, commissioning & comprehensive maintenance of solar energy solutions’ for industries/units in North-East Region. The minimum capacity of each such projects should be 10 Kw.  <b>(2 marks for each project)</b>	SI No. 3 (Page-11 of RFE) It is requested to kindly award 5 marks each for such project.	As per RFE document.
14.	Part – 3 - Eligibility Criteria for Empanelment of Agencies	Clause 3.3 Page no. 11	The Technical Evaluation of the proposals under Small Scale Category (30KW & 50KW) shall be based on following parameters:  <b>3.3 Technical Evaluation and Financial Bid Opening</b>  5. The agency should have undertaken at least 5 (five) projects where AMC has been conducted for a minimum of 3 years (5 marks) and up to 10 years (10 marks).	SI No. 5 (Page-11 of RFE) Kindly reduce the number of project to 3 and year of experience to 1 year to encourage wider participation	5. The agency should have undertaken at least 5 (five) projects where AMC has been conducted for a minimum of 2 years (1 marks per project) or up to 5 years (2 marks per project).
15.	Part – 3 - Eligibility Criteria for Empanelment of Agencies	Clause 3.3 Page no. 11	The Technical Evaluation of the proposals under Small Scale Category (30KW & 50KW) shall be based on following parameters:  <b>3.3 Technical Evaluation and Financial Bid Opening</b>  6. In the last 5 (Five) years, the agency should have solely undertaken and completed at least 5 (five) similar projects of same nature* for municipal/ state/	1. If project is divided into Groups and if 01 Group is 100% completed, will it qualify under completed project?  2. *Similar Projects: Kindly relax the criteria to a minimum of 02 such projects	1. It shall be noted that throughout the RFE, a project is defined as the solar power system commissioned at a single geographic location powering a single enterprise/unit.  2. As per RFE

Sr. No.	Part	Clause No. and Page	Original Clause in the RFP	Bidder Justification	Responses
			central government, PSUs, any other government funded projects or any registered entities.		

**3. Pre-bid Queries – Zoladyne Energy solutions Pvt Ltd**

Sr. No.	Part	Clause No. and Page	Original Clause in the RFP	Bidder Justification	Reply of IPL/MAL
16.	Part – 3 - Eligibility Criteria for Empanel ment of Agencies	Clause 3.1.3  Page no 9	3.1.3 Large Scale Category (500KW & 1,000KW)  2. In the last 5 (Five) years, the agency should have undertaken and completed at least 2 (two) projects of similar nature* for municipal/ state/ central government, PSUs, any other government funded projects or any registered entities. The contract values for each of the project should be at least INR 5 crore.	Refer page no. <b>9 of 35</b> under <b>3.1.3</b> prequalification criteria, <b>SI no.2</b> -You have mentioned-The contract value of each of the project should be at least of <b>5 crore</b> . But on the same page at the bottom under <b>**similar project</b> - you have mentioned that the contract value of each project as <b>4 crores</b> .	<b>*Similar Projects: Installation, Commissioning &amp; Comprehensive Maintenance of at least 2 (two) Multi Source charged Off Grid Solar Inverter System with minimum capacities of 500KW &amp; 1,000KW each for municipal/ state/ central government, PSUs, any other government funded projects or any registered entities and having contract value of at least 5 crores per project.</b>

**4. Pre-bid Queries – PROSTARM INFO SYSTEMS LTD**

Sr. No.	Part	Clause No. and Page	Original Clause in the RFP	Bidder Justification	Reply of IPL/MAL
17.	Part – 2 – Data Sheet	Page no. 5	Earnest Money Deposit (EMD)  Rs. 10 lakhs in form of a DD drawn in favour of Chief Executive Officer, Meghalaya Basin Management Agency Shillong	We have request you to allow us to pay EMD in form of Bank Guarantee ( BG).	<b>As per RFE.</b>

Sr. No.	Part	Clause No. and Page	Original Clause in the RFP	Bidder Justification	Reply of IPL/MAL
18.	<b>Part 10 – Price Bid</b>	Page 35	Small Scale Category (50KW & 100KW)	As per below price table small scale category mentioned ( 50 KW & 100 KW) but behind Lot-1 mentioned 30 kw & Lot-2 mentioned 50 KW.  Request you to confirm the correct capacity.	Small Scale Category (30KW & 50KW)

**5. Pre-bid Queries – SUMO International Private Limited**

Sr. No.	Part	Clause No. and Page	Original Clause in the RFP	Bidder Justification	Reply of IPL/MAL
19.	Part – 3 - Eligibility Criteria for Empanelment of Agencies	Clause 3.1.2 Page no. 8	3.1 Minimum Eligibility Criteria  Medium Scale Category (100KW & 200KW)  *Similar Projects: Installation, Commissioning & Comprehensive Maintenance of at least 2 (two) Multi Source charged Off Grid Solar Inverter System with minimum capacities of 100KW & 200KW each for municipal/ state/ central government, PSUs, any other government funded projects or any registered entities and having contract value of at least 1Crore per project.	Consider for minimum capacity of 100kW each & 200kW cumulative for this purpose.	As per RFE.
20.	Part – 3 - Eligibility Criteria for Empanelment of Agencies	Clause 3.3 Page no. 11	Small Scale Category (30KW & 50KW)  3. The agency should have undertaken similar projects of ‘installation, commissioning & comprehensive maintenance of solar energy solutions’ for industries/units in North-East Region. The minimum capacity of each such projects should be 10 Kw.	Consider for site location Hill Area/ Himalayan State except of Meghalaya & North-East region.	As per RFE.
21.	Part – 3 - Eligibility Criteria for Empanelment of Agencies	Clause 3.3 Page no. 11	Small Scale Category (30KW & 50KW)  4. The agency should have undertaken similar projects of ‘installation, commissioning & comprehensive maintenance of solar energy solutions’ for	Consider for site location Hill Area/ Himalayan State except of Meghalaya & North-East region.	As per RFE.

Sr. No.	Part	Clause No. and Page	Original Clause in the RFP	Bidder Justification	Reply of IPL/MAL
			industries/units in Meghalaya. The minimum capacity of each such projects should be 10 Kw.		
22.	Part – 3 - Eligibility Criteria for Empanelment of Agencies	Clause 3.3 Page no. 12	Medium Scale Category (100KW & 200KW)  3. The agency should have undertaken similar projects of ‘installation, commissioning & comprehensive maintenance of solar energy solutions’ for industries/units in North-East Region. The minimum capacity of each such projects should be 25 Kw.	Consider for site location Hill Area/ Himalayan State except of Meghalaya & North-East region.	As per RFE.
23.	Part – 3 - Eligibility Criteria for Empanelment of Agencies	Clause 3.3 Page no. 12	Medium Scale Category (100KW & 200KW)  4. The agency should have undertaken similar projects of ‘installation, commissioning & comprehensive maintenance of solar energy solutions’ for industries/units in Meghalaya. The minimum capacity of each such projects should be 25 Kw.	Consider for site location Hill Area/ Himalayan State except of Meghalaya & North-East region.	As per RFE.

#### 6. Pre-bid Queries – DYNAMIC POWERS

Sr. No.	Part	Clause No. and Page	Original Clause in the RFP	Bidder Justification	Reply of IPL/MAL
24.	Part – 2 – Data Sheet	Page no. 5	Earnest Money Deposit (EMD)  Rs. 10 lakhs in form of a DD drawn in favour of Chief Executive Officer, Meghalaya Basin Management Agency Shillong	Bid security would be exempted for the Nsic registered unit under single point registration scheme for service solar power plant.	EMD can be relaxed for NSIC registered unit under Single Point Registration Scheme.
25.	<b>Part 10 – Price Bid</b>	Clause 3.3 Page 11	3.3 Technical Evaluation and Financial Bid Opening  *Similar Projects: Installation, Commissioning & Comprehensive Maintenance of at least 5(five) Multi Source charged Off	Regarding experience for solar power plant - we request you to please allow grid connected systems, allied products for off grid system - solar light system, solar home light system also for past 7 years .	As per RFE.

Sr. No.	Part	Clause No. and Page	Original Clause in the RFP	Bidder Justification	Reply of IPL/MAL
			Grid Solar Inverter System with minimum capacities of 10KW each for municipal/ state/ central government, PSUs, any other government funded projects or any registered entities and having contract value of at least Rs 10 lakhs per project.		

**7. OTHER CHANGES:**

Sr. No.	Part	Clause No. and Page	Original Clause in the RFP	Bidder Justification	Reply of IPL/MAL
1.	Part – 3 - Eligibility Criteria for Empanelment of Agencies	Clause 3.3  Page 13, 14, 15 (For all 3 tables)	3. The agency should have undertaken similar projects of ‘installation, commissioning & comprehensive maintenance of solar energy solutions’ for industries/units in North-East Region.  4. The agency should have undertaken similar projects of ‘installation, commissioning & comprehensive maintenance of solar energy solutions’ for industries/units in Meghalaya.		3. The agency should have undertaken similar projects of ‘installation, commissioning & comprehensive maintenance of Multi Source charged Off Grid Solar Inverter System’ for industries/units in North-East Region.  4. The agency should have undertaken similar projects of ‘installation, commissioning & comprehensive maintenance of Multi Source charged Off Grid Solar Inverter System’ for industries/units in Meghalaya.
2.	Part -5- General Terms and Conditions of the Bid	Clause 5.1.6  Page no 17	The WARRANTY of the PV modules, Inverters and Batteries which are to be Supplied should be NEW as of the date of receipt and should be having all components required. The entire System including accessories will remain under onsite comprehensive maintenance and warranty for a period of one year for		The WARRANTY of the PV modules, Inverters and Batteries which are to be Supplied should be NEW as of the date of receipt and should be having all components required. The entire System including accessories

Sr. No.	Part	Clause No. and Page	Original Clause in the RFP	Bidder Justification	Reply of IPL/MAL
			the inverter and three years for batteries from the date of successful commissioning and testing.		will remain under onsite comprehensive maintenance and warranty for a minimum period of 10 years for the PV modules, minimum period of 10 years for the inverter and minimum period of 10 years for batteries from the date of successful commissioning and testing.
3.	Part – 6 Annexure I - Technical Specifications	Page 19 to 24 (For all the 6 tables)	2. Solar Battery, Tubular Battery Lead Acid C10 Rated  2. Solar Battery, Tubular Battery Lead Acid C10 Rated, 2V high rated AH (200AH- 1200AH)		2. Solar Battery, Tubular Battery Lead Acid C10 Rated, 2V high rated AH (200AH- 1200AH)  OR  VRLA Gel battery of similar capacity
4.	Part – 6 Annexure I - Technical Specifications	Page 19 to 24 (For all the 6 tables)	5. MMS Ground Mounted (For all modules)		Solar MMS for ground or rooftop, walkways around the solar panels and access to rooftops (For all modules)
6.	Part – 6 - Annexure I - Technical Specifications	Page 19 to 24 (For all the 6 tables)	<b>Technical Specification for 30kw/50kw/100kw/200kw/500kW/1000kW Multi Source charged Off Grid Solar Inverter System has been detailed for reference of the agencies bidding for the tender. The agencies shall refer to the below list of materials</b>  8. Copper Cable (RED + BLACK) 6 Sq.mm As per site 9. Copper Cable (RED + BLACK) 50 Sq.mm As per site 10. Copper Cable (RED + BLACK) 25 sq.mm As per site		8. Copper Cable (RED + BLACK) 6 Sq.mm. 50m 9. Copper Cable (RED + BLACK) 50 Sq.mm. 50m 10. Copper Cable (RED + BLACK) 25 sq.mm. 50m

Sr. No.	Part	Clause No. and Page	Original Clause in the RFP	Bidder Justification	Reply of IPL/MAL
7.	Part – 6 - Annexure I - Technical Specifications	II. MOUNTING STRUCTURES  Page 26	<p>a. Hot dip galvanized MS/ anodized aluminium of size not less than 50 mm x 50 mm x 6 mm size shall be used for mounting the modules/ panels/arrays. Each structure should have an angle of inclination as per the site conditions to take maximum irradiation.</p> <p>b. The structures shall be designed to allow easy replacement of any module. The array structure shall be so designed that it will occupy minimum space without sacrificing the output from the SPV panels. Installation of solar structures should not damage the roof in any way. If any concrete or foundation is required, it should be precast type.</p> <p>c. South facing with 22 degrees inclined towards north should be followed despite whatever roofing type is. The structure also should be able to withstand wind speed of 200 - 250 km/h.</p>		<p>a. Hot dip galvanized MS/ anodized aluminium of size not less than 50 mm x 50 mm x 6 mm size shall be used for mounting the modules/ panels/arrays. Each structure should have an angle of inclination as per the site conditions to take maximum irradiation.</p> <p>b. The structures shall be designed to allow easy replacement of any module. The array structure shall be so designed that it will occupy minimum space without sacrificing the output from the SPV panels. Installation of solar structures should not damage the roof in any way. If any concrete or foundation is required, it should be precast type.</p> <p>c. South facing with 22 degrees inclined towards north should be followed despite whatever roofing type is. The structure also should be able to withstand windspeed of 200 - 250 km/h.</p> <p>d. Provision to be made for pathways to walk between the panels using Hot dip galvanized MS and access to rooftops via ladders also to be made with Hot dip galvanized MS.</p>