

+Details of queries relating to NIB NO. 28/JREDA/SPV/Rooftop/2013-14

Sl. No.	Queries	Reply of JREDA
1. M/s Exicom Tele-Systems Limited, Gurgaon.		
i	<p>Tentative Quantity: A bidder can quote only one bid from A to F groups. For G and H, a bidder can participate in either or both groups.</p> <p>Kindly allow bidder to participate in all the sites from A to F.</p>	As per NIB.
ii	<p>General Description & Configuration: The brief technical details for the various Rooftop SPV power plants are as follow:</p> <p>Kindly provide LED light. Details for example which type LED light, indoor application or outdoor application.</p>	50 Watt, outdoor application type.
iii	<p>DC Distribution Board (DCDB) DCDB shall consist of MCBs of suitable specifications which can withstand respective flow of current, with the purpose of providing the option for isolating the battery bank & SPV arrays. Best quality Ah meter has to be installed to measure the cumulative charging & discharging status of battery bank. If charge & discharge AH meter is available in PCU then no need of AH meter separately in DCDB. Please Confirm.</p>	Acceptable.
2. M/s Millenium Synergy Pvt. Ltd., Ranchi		
I	<p>Exemption from submission of cost of bid document and or earnest money against MSME of Jharkhand.</p> <p>EMD can be exempted against NSIC. Please refer the other tender documents (TEDA) documents attached.</p>	Exemption in bid cost & tender cost for MSMEs of Jharkhand is as per Industrial Policy 2012 of Jharkhand, hence no amendment acceptable.
ii	<p>Net worth for:</p> <p>a. General bidders 10% of the estimated cost. b. MSME of Jharkhand positive Net worth. For MSME channel partners it is not highly mandatory to give Net worth certificate.</p>	Net worth requirement will be as per NIB.
iii	<p>It has been noted from the tender document that the rates quoted should be valid up to 31st March 2015</p> <p>No manufacturers will give validity since the prices of modules inverters and other electronic components will increase drastically.</p>	Not acceptable.

iv	<p>A Bidder can quote only on bid from A to F groups. For G and H, a bidder can participate either or both groups. JREDA may consider additional supply/installation works at eight new installation/sites as need may arise in future.</p> <p>Quote can be given to all sizes (A to F) since they are all in different sizes.</p> <p>Also you can assign the priorities and set sequences accordingly.</p>	As per NIB.
3. M/s TATA Power Solar Systems Limited, Kolkata.		
1	<p>Design, Manufacture, Testing, Supply, Installation & Commissioning of indigenous Grid connected Rooftop SPV Power Plants including five years Comprehensive Maintenance Contract.</p> <p>Technical specifications calls for Battery based system with Battery bank and hybrid inverter (PCU). Please confirm whether we have to supply Grid connected system or battery based system.</p>	Grid connected rooftop with battery backup.
2	<p>General description & Configuration Please share the load details, load operating hours and backup in hours considered for SPV capacity and battery bank sizing.</p>	Mentioned in DPRs which is available in JREDA office. The details can be made available to you on your request.
3	<p>The rating of each module should not be less than 250Wp with efficiency \geq 14% & fill factor greater than 70% Please confirm can we use modules of rating less than 250Wp having efficiency \geq 14% & fill factor greater than 70%</p>	Not acceptable.
4	<p>The minimum clearance between the lower edge of the modules and the developed ground level shall be 400 mm. Please confirm can we offer structures with minimum clearance of the lowest part of modules to terrace is 300 mm.</p>	Details as per NIB only.
5	<p>The array structure shall have tilt arrangement to adjust the plane of the solar array for optimum tilt. Please confirm can we use fixed tilt mounting structures instead of seasonal tilt arrangement.</p>	As per NIB.
6	<p>The module mounting structure shall be of anodized aluminum and shall be as per relevant standards and shall withstand wind speeds of 150 KM/hour. The support structure angle should be of dimension 50x50x5mm. The minimum thickness of galvanization shall be at least 80 microns. Fixing fasteners shall be of Stainless steel, all nuts & bolts stainless steel. Legs assembly shall be of MS Hot Dip galvanized pipes</p>	Mounting structure shall of anodized aluminum /MS hot dip galvanized GI, thickness of galvanization not less than 80 micron, other details as per NIB.

	<p>after fabrication/anodized aluminium. The minimum clearance of the lowest part of the module/module structure and the terrace shall not be less than 400 mm.</p> <p>Please confirm shall we offer structures with following specification:</p> <ul style="list-style-type: none"> • Wind speed of 150 KMPH. • Galvanization of 70 microns for all members of mounting structures except pre galvanized purlins which is having galvanization thickness of 550 GSM (40 microns.) • Hot dip galvanized GI modules mounting structure. • All fasteners are offered as SS make Grade 304. • Minimum clearance from terrace level is 300 MM. 	
7	<p>Remote monitoring</p> <p>Please confirm computer, internet connectivity & hardware for remote monitoring is in the scope of bidder or not.</p>	GPRS enability in PCU required, the bidder shall provide the sim card in the PCU for remote monitoring.
8	<p>DCDB</p> <p>Since the offered PCU will have inbuilt DCDB and the DC parameters will be measured in PCU itself, Additional DCDB may not be required. Please confirm can we exclude DCDB from scope of supply.</p>	Additional DCDB required as per NIB.
9	<p>Bidirectional meter/net metering</p> <p>Please specify the list of makes approved by Discom for Energy meter and it's Accuracy class.</p>	The list of manufactures approved by discom not available. But the directional meter must be of standard and acceptable in other states of the country.
10	<p>Site Details</p> <p>Please provide us the site details (Viz. Location, Rooftop drawings, Photos, etc.) for us to prepare array layout and to do structure estimation.</p>	Mentioned in DPR which is available in JREDA office. Details can be provided to you on your request.
4. M/s Sungrace Energy Solutions Pvt. Ltd., Ranchi.		
1	<p>Page 3 under the clause Part-I Technical Bid point No. 1:</p> <p>The bidder shall furnish either relevant MNRE certificate or concerned Industry Department certificate clearly indicating that they are manufacturers of SPV Systems including SPV Cells/Modules or Battery or PV System Electronics as applicable.</p> <p>We understand from above points that only those manufacturers, who manufacture any one of the item i.e. SPV Cells/Modules or Battery or PV System Electronics and any one SPV components (Modules or Battery or PCU) supplied against above NIB shall be manufactured by bidding company.</p>	<p>For MSME claim, the bidder should fulfill the following:</p> <p>i) The MSME of shall be functional& production done in actual.</p> <p>ii) Should have valid industrial connection .Other details as mentioned in the NIB.</p>

	<p>We at our SSI Unit-2 at Ranchi, manufacture electronics required for solar systems but we do not manufacture any of the PCU's capacity required to be supplied under this NIT.</p> <p>Please clarify if we do not manufacture any of the items asked in the NIT for power plants, but we are SSI unit making other solar components, can we claim the benefits of the SSI unit by supplying the other manufacturers products for this tender.</p>	
2	<p>Page4 under the clause Part-I Technical Bid point No. 6: The valid test certificate should be enclosed along with the check list at Annexure-2.</p> <p>As per MNRE minimal technical requirements/standards, beyond 10 KVA self certification by the manufacturer is acceptable.</p> <p>Whether self certification is acceptable to you.</p>	Acceptable as per MNRE guidelines.
3	<p>Page-4 under the clause Part-I Technical Bid point no. 7: The certificate should be in a form of an undertaking letter from the manufacturer complying all the technical specifications of battery.</p> <p>The undertaking required from battery manufacturer company or from the bidder firm.</p>	Undertaking required from Battery manufacturer.
4	<p>Page-7 under the clause 2 Cost of Bid Document and clause 3 Earnest Money: Bidders seeking concession/exemption from submission of cost of bid document and/or earnest money, shall have to submit an attested photocopy of relevant MSME of Jharkhand certificate as applicable.</p> <p>As per NIB this facility has been only given to SSI unit of Jharkhand which is totally unfair and violation to the mentioned The Gazette of India.</p> <p>Please consider our request of allowing exemption from paying Earnest Money (EMD) and security deposit by the SSI unit of India irrespective of state.</p>	Not acceptable.
5	<p>Page-10 point no. 10.7: MNRE Benchmark rate will be treated as the base rate. The benchmark price of MNRE mentioned in there notification no. 5/23/2009-P&C (Pt.III) dated 30th May 2013 is only up to 10kWp to 100 kWp, there is no mention of bench mark prices for the battery based power plants above that capacity. Please clarify if we</p>	The rates mentioned are as per DPR.

	need to consider the same bench mark prices for the higher capacity of the power plants also for quoting.	
6	<p>Page-11 point no. 2.0: The prospective bidders are requested to visit work site before submission of bid for assessment of actual work involved.</p> <p>Without concerned authority prior permission it is very difficult to enter the consignee area (work site). Please issue us a site survey letter to visit work site. If not we request you to provided us the copy of DPR to assess actual work involved at the respective site.</p>	DPRs are available in JREDA office, however actual site visit/survey is desirable before quoting of bid. JREDA may issue a letter in your favour in this regard on your request.
7	<p>Page-12 point no. 6.0 under the clause Payment terms and condition:</p> <ol style="list-style-type: none"> 1. 60% of the contract price shall be paid against supply and delivery of goods in full and in good condition. 2. 30% of the contract price shall be paid against installation, testing & commissioning. 3. Rest 10% of the contract price shall be paid @ 2% of the contract price on completion of every one year period. 	Not acceptable.
5. M/s Luminous Power Technologies Pvt. Ltd., New Delhi.		
1	<p>In ref. to your tender for Design, Manufacture, Testing, Supply, Installation & Commissioning of Indigenous Grid connected Rooftop SPV Power Plants including five years CMC on Turnkey basis in the state of Jharkhand.</p> <p>We hereby request you to please clarify the point's w.r.t. this tender, as mentioned in the attached Annexure-1, so that we can quote our solution accordingly.</p>	No change acceptable.
2	<p>Electronics should conform to relevant Standard for efficiency measurement and should also conform to relevant BIS standard for environmental testing. The inverter should be from Indian Manufacturer. The valid test certificate should be enclosed along with the check list at Annexure-2.</p> <p>As per MNRE guidelines for above 10KW rating PCU self-certification is acceptable. Request you to please amend the mentioned clause in this context as "Electronics should conform to relevant Standard for efficiency measurement and should also conform to relevant BIS standard for environmental testing. The inverter should be from Indian Manufacturer. The valid test certificate/</p>	<p>Same as in clause 4.2</p> <p>Acceptable as per MNRE guidelines.</p>

	<p>Self certification should be enclosed along with the check list at Annexure-2.”</p>	
3	<p>Payment terms and conditions: 60% of the Contract Price shall be paid against supply and delivery of goods in full and in good condition as certified by Consignee & JREDA Officials after submission of following documents: i. Original Commercial invoice raised from the state of Jharkhand for the supply made in triplicate ii. Copy of duly raised delivery challan/ transportation challan/lorry receipt. iii. Duly filled Annexure–10 should be submitted in three sets . iv. Insurance certificate. 30% of the Contract Price shall be paid against Installation, Testing & Commissioning after submission of following documents: i) Copy of Original Commercial invoice raised at the time of supply in triplicate ii) Copy of duly filled Annexure–10. iii) Photographs of all the equipment (materials) installed at destination with signature& seal of Consignee & JREDA Officials. iv) Certificate for minimum seven days of satisfactory performance. Rest 10% of the Contract Price shall be paid @2% of the Contract Price on completion of every one year period of the 5 year Operation and CMC period, after submission of following documents: i) Copy of Original Commercial invoice raised at the time of supply in triplicate ii) Submission of quarterly reports of Operation and CMC undertaken by the manufacturer (In the format at Annexure-14).</p> <p>We request you to please amend the payment term by releasing “Balance 10% payment after installation against submission of Performance Bank Guarantee of equivalent amount valid for 5 Years.”</p>	Not acceptable.
4	<p>Liquidated Damages for Delay in Completion: If the supplier fails in the due execution of the contract to deliver any part of the equipment or complete the work within the time fixed under the contract or any extension thereof granted to him by JREDA and/or to fulfill his obligations in time under the contract, he shall be liable to pay to JREDA @0.5% per week maximum up to 10% of work value delayed beyond contract period.</p> <p>We request you to please amend the terms as “If the</p>	Not acceptable.

	<p>supplier fails in the due execution of the contract to deliver any part of the equipment or complete the work within the time fixed under the contract or any extension thereof granted to him by JREDA and/or to fulfill his obligations in time under the contract, he shall be liable to pay to JREDA @0.25% per week maximum up to 5% of work value delayed beyond contract period.”</p>	
5	<p>Whenever a complaint is lodged by the user, the bidder shall attend the same immediately. It is clarified that effective CMC means that, the bidder should ensure 24 hours smooth working of all the SPV SPP throughout the CMC period and therefore, if any complaint in this level of service is found by the JREDA officials and if the bidder does not attend the rectification of any such defects within three days of communication of such complaint to the bidders, the bidder will be liable for a penalty of Rs. 200 per day beyond three days of reporting of such complaint.</p> <p>Request you to please amend the clause as “Whenever a complaint is lodged by the user, the bidder shall attend the same immediately. It is clarified that effective CMC means that, the bidder should ensure 24 hours smooth working of all the SPV SPP throughout the CMC period and therefore, if any complaint in this level of service is found by the JREDA officials and if the bidder does not attend the rectification of any such defects within three days of communication of such complaint to the bidders, the bidder will be liable for a penalty of Rs. 200 per day beyond three days of reporting of such complaint or Maximum 2% of the order value.”</p>	<p>Rectification time for breakdown maintenance/ defect raised from 3 days to 5 days without penalty. Other terms & conditions as per NIB.</p>
6	<p>As per technical details mentioned in table #1 required PCU (Inverter) rating is on Nominal DC Voltage 240V.</p> <p>Request you to please provide flexibility that Inverter with 100KW & above rating can also be offered at 480VDC. The performance (efficiency, Noise and dynamic response etc.) on 480 VDC is better as compared with 240VDC option (for 100 & above rating). If tender authority is agree to make this requested change than please amend required Battery Bank rating also while maintaining same VAH capacity i.e. mentioned AH capacity of Battery Bank will be half if Nominal DC Voltage of PCU (System) will be 480V instead of 240V.</p>	<p>For above 100 KW capacity, the system voltage shall be 240/480V DC.</p>

7	<p>As per technical details mentioned in table #1 required Battery Bank is on 240V, battery rating required for individual site location is 2V, 2000AH/ 2V, 2200AH/etc.</p> <p>Request you to please clarify whether we can supply mentioned AH rating with parallel connections of battery bank i.e. for 2200 AH in two parallel sets of 1100AH batteries. As batteries of higher AH rating (>1500AH) is not available with recommended battery manufacturer's also.</p>	Acceptable.
8	<p>The roof top installation of Solar Power Plant consisting of Poly - Crystalline solar module with seasonal tilt mounting systems with hybrid solar power conditioning unit with battery back-up.</p> <p>Request you to please delete provision of seasonal tilt mounting system as it will unnecessary increase system complexity as well as required installation area.</p>	Not acceptable.
9	<p>The terminal box on the module should have a provision for opening for replacing the cable, if required.</p> <p>As most of the SPV modules available in India are with fixed type IP-65 protected Junction (Terminal) box which will make them more sustainable against harsh atmosphere. Request you to please provide flexibility to use SPV modules with terminal block which may not have provision for opening also.</p>	Not acceptable.
10	<p>The array structure shall have tilt arrangement to adjust the plane of the solar array for optimum tilt.</p> <p>Request you to please delete provision to adjust the tilt angle of modules as it will unnecessary increase system complexity as well as required installation area.</p>	Not acceptable.
11	<p>All the relevant parameters of PCU should be available for remote monitoring over internet using GPRS based monitoring solution.</p> <p>Please clarify as Remote Monitoring System shall be Data card based, with Data card and SIM charges shall be on the user's account.</p>	PCU shall have GPRS enablement provision based on Simcard which shall be provided by the bidder.

12	<p>Battery Bank : Operating range: 0°C to +60°C.</p> <p>Operating range for VRLA batteries are 0°C to +55°C. Request you to please amend this clause in this context.</p>	Acceptable, however operation range will be 0°C to +55/60°C.
13	<p>DCDB shall consist of MCBs of suitable specifications which can withstand respective flow of current, with the purpose of providing the option for isolating the battery bank & SPV arrays. Best quality Ah meter has to be installed to measure the cumulative charging & discharging status of battery bank.</p> <p>Please provide flexibility to not to use Ah meter in DCDB if provision to measure the cumulative charging & discharging status of battery bank is already available in PCU.</p>	Acceptable.
14	<p>Bidirectional Meter/ Net Metering For larger capacity systems connection through step up transformer and switch yard may be required to feed the power to grid. In case of grid failure, there should provision of protection for isolating the SPV plant from the grid.</p> <p>Request you to please amend the mentioned clause as “supplier’s scope for proposed system will be upto ACDB with Bidirectional meter only, any other setup/ equipment like step-up transformer, Switchyard etc (if required) as per DISCOM guidelines will be in user’s scope.</p>	Not acceptable.
6. M/s S.G.Enterprises, Ranchi.		
1	Point no. 3.3: (page a) Attested photocopy of MSME of Jharkhand certificate. The attestation should be self or by Notary?	Either self/gazetted officer.
2	Point no. 6: (page13) Payment terms & conditions: <ul style="list-style-type: none"> a) 80% of contract price shall be paid against delivery of goods. b) 10% of contract price shall be paid against installation, testing and commissioning. c) 10% of contract price shall be paid @ 2% P.A. on completion of every year. 	No change in payment terms and conditions.
3	Point no. 16.4: (page 14) bread down/corrective & maintenance: The time limit of rectification should be raised from three days to seven days.	Rectification time raised from 3 days to 5 days.
4	Point no. 11 (page 15): Assignment/sub-letting : No manufacturer has the transportation and insurance	Not acceptable.

	facility with them. The transportation and insurance has to be sub set.	
5	Point no. 3.2(iv) (page 17)): Mounting structure shall be of anodized aluminium/MS hot dip galvanized.	Acceptable.
7. Mr. Krishna Nandan.		
1	It is intended that a co can not apply only for one group in A to F and if he applies more than one his all bids will be disqualified?	As per NIB.

**Director,
JREDA, Ranchi**