



MP URJA VIKAS NIGAM LTD.

URJA BHAVAN, MAIN ROAD # 2, NEAR BUS-STOP# 5, BHOPAL-462016

PHONE # 0755-2553595, 2556566, FAX # 0755 – 2553122

E-Mail: pmjanman.mpuvn@gmail.com; Website: www.mprenewable.nic.in

No: F/UVN/PM-JANMAN/2024-25/2347

Dated: - 26/09/2024

Corrigendum-III

Sub: -Selecting vendors for design, supply, transport, installation, testing and commissioning of off-grid Solar PV Power Packs of individual capacity of 1080 Wp at identified PVTG (Particularly Vulnerable Tribal Groups) households under PM JANMAN Scheme- minutes of pre bid meeting- reg.

Ref: - RFP No: F/UVN/PM-JANMAN/2024-25/1724 Date: 16.08.2024.

This has reference to above referred RFP for “selecting vendors for design, supply, transport, installation, testing and commissioning of off-grid Solar PV Power Packs of individual capacity of 1080 Wp at identified PVTG (Particularly Vulnerable Tribal Groups) households under PM JANMAN Scheme”. About 54 potential bidders participated in pre-bid meeting on 09 September 2024 organized in virtual mode/ physical mode. Some of the bidders also have submitted their concerns and queries through e-mail.

Bidders put queries during online pre-bid meeting and those were replied appropriately. Further, some bidders have submitted their concerns and queries through e-mail. Some major concerns are minimized as below:-

Minutes of Pre-bid meeting of RFS for Selection of Contractor (s) For Design, Engineering, Supply, Installation, Testing and Commissioning along with Comprehensive O&M of Capacity 1,080 Wp ore more Distributed Off-Grid Rooftop Solar PV Projects at 2,060 Identified Households in the State of Madhya Pradesh PM-JANMAN Scheme.

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S.No.	Name of Company	Bidder's Query	MPUVNL Response
1	M/s Natsakee Incorporation Guwahati	<p>EMD Exemption for MSME as per Clause 10 of Public Procurement Policy for Micro and Small Enterprises (MSEs) Order 2012</p> <p>the value of the PBG for each Cluster shall be 20% of the Project Cost plus GST @18% multiplied with the number of Habitations. The Contractor(s) shall submit the PBG for a duration of sixty- nine (69) Months from the issuance of LOA, with an additional claim period of six (6) Months. In this case, we request you to please accept the PBG under the following bifurcation: 5% of project value within 15 days of LOA. Balance 10% in CMC period in five PBG of 2% each year for 5 years. Against CMC PBG department may hold 10% retention and that will release 2% every year on prorata basis.</p> <p>Payment on Delivery of Material: 70% of value for each Project shall be paid within 20-30 Days from the successful delivery of material in a Cluster subject to deduction of LDs, if any. Payment on Commissioning of Work: 30% of value for each Project shall be paid within 20-30 Days from the successful Commissioning of Project in a Cluster subject to deduction of LDs, if any.</p>	<p>As per Amendment 1</p> <p>No Change envisaged</p> <p>No Change envisaged</p>
2	M/s Om International, Satna	<p>Whether the turnover of the individual partners' existing firms can be considered when evaluating the financial eligibility of the newly formed partnership firm. Specifically, will the combined turnover of the partners' separate firms be taken into account for this tender, or must the partnership firm itself meet the turnover requirement independently?</p>	<p>Partnership Firm as a Bidder should meet the turnover requirement. For meeting the requirement of Net Worth, please refer Clause 3.3.3 (e) and 3.3.3 (g) of the RFP.</p>

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3	M/s KKR Energy, Bhopal	<p>In this RFP, MSME/ Start-ups are exempted from fulfilling the Technical Eligibility Criteria only. However, such Bidder(s) shall be required to submit the following documents/ details. Request for Proposal for Solar Roof top Projects in Madhya Pradesh Madhya Pradesh Urja Vikas Nigam Limited Page 17</p> <p>i. NSIC certificate, for MSMEs ii. Start-up certificate as per appropriate Govt, for start-ups</p> <p>Since we are participating in Start up category, kindly allow Discom approved Vendor to participate in start up category</p>	No Change envisaged
		<p>The value of the PBG for each Cluster shall be 20% of the Project Cost plus GST @18% multiplied with the number of Habitations Kindly consider BG as 10% of the Project Cost plus GST @18% multiplied with the number of Habitations.</p>	No Change envisaged
		<p>12.8 Volt DC systems with 1.2 VAh/W, LiFePo (Lithium Ferro Phosphate) battery (maximum depth of discharge 90%) with proper protection conforming to the latest BIS/ International Standards Kindly help with Detailed technical description</p>	<p>Query is not complete with respect to the requirement of detailed technical description. What details or information required is not clear. Hence, No Change envisaged</p>
4	M/s. Genus Innovation Ltd	<p>For all cluster Bid Security is 98 Lakh. BID SECURITY - It seems higher side, may clarify % EMD and project cost, it would be consider as 3% of project cost.</p>	No Change envisaged
		<p>The value of the PBG for each Cluster shall be 20% of the Project Cost plus GST @18% multiplied with the number of Habitations. It seems higher side, it would be consider as 10% of project cost.</p>	No Change envisaged

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		<p>Battery: 1. Battery Configuration: 12.8 Volt DC systems with 2.4 VAh/W, LiFePo (Lithium Ferro Phosphate) battery 8. Total Energy : 1250 Wh (Minimum) While Pre-Bid meeting it was suggested by Dept that Li Battery required for 2 days / 6hr each backup, so may kindly increase the capacity accordingly'</p>	<p>Battery is designed as per requirement of the Project.</p>
		<p>SOLAR DC CHARGE CONTROLLER 2. Charge Controller Rating @ Rated Voltage - 20 Amps 3. Module Rating-Not less than 300 Wp</p> <p>Battery - May kindly define the CCU capacity, as integration of 540wp x 2 module will required Solar MPPT Charger capacity of 70Amps min. So, may kindly change accordingly;</p>	<p>As per Amendment 1</p>
		<p>SOLAR DC CHARGE CONTROLLER - Although, the qty is very low and period is 5 years so, for such qty RMS is not feasible and workable also, as the project were executed where Habitations are at very rural area and network seems poor like 4G/5G, so our request to may kindly remove to avoid unnecessary load on project as Data Monitoring, Web Space and Hardware/Software Integration expenses</p>	<p>No Change envisaged</p>

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		<p>DATA ACQUISITION SYSTEM /PROJECT MONITORING Clause 9.5.3. The following parameters should be accessible via the operating interface display in real time separately for Project:</p> <ol style="list-style-type: none"> Output Power Power factor DC Input Voltage DC Input Current Time Active, Idle and Disabled Power produced <p>Although, the qty is very low and period is 5years so, for such qty RMS is not feasible and workable also, as the project were executed where Habitations are at very rural area and network seems poor like 4G/5G, so our request to may kindly remove to avoid unnecessary load on project as Data Monitoring, Web Space and Hardware/Software Integration expenses</p>	No Change envisaged, provisions related to projects where the network is not available is already available in RFP
5	M/s Solar Energy Development Co-operative Society Ltd	<p>PBG@20% to be reduced to 5% and further 15% to be deducted from the final bill against AMC</p>	No Change envisaged
		EMD Exemption for MSME firms	As per Amendment 1
		Project completion period is requested to be 4 months because execution will be little difficult and challenging	No Change envisaged
		PCU mentioned in Para 9:1:1 and AC energy mentioned in DAS Para 9:5:5 & 9:5:3 need correction as the system is purely DC	As per Amendment 1
		Battery capacity i.e 1250 Whr, as discussed in pre bid if 2.4 VA per watt is the desired capacity. Then Battery should $(1080 \times 2.4) / 12.8 = 202.5 \text{ Ah @ } 12.8 \text{ V}$ If we consider 90 % DOD then approx 228Ah would be an ideal choice to go with	No Change envisaged

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		DC fan type (Table/Ceiling/Pedestal) to be classified with technical specification (Given specification is of ceiling)	Please refer Clause 9.12
		Can we apply in any of the given clusters?	Yes, a Bidder may submit Bid for one or more Clusters.
		Financial eligibility to be kept 50% as of now for MSME firms	No Change envisaged
6	M/s Saurya Energie	<p>Clause 3.3.2 (C): In this RFP, MSME are exempted from fulfilling the technical eligibility criteria only. However such bidders shall be required to submit the NSIC certificate for MSME and Start-up certificate for start-ups. Request: NSIC certificate is usually provided to the manufacturing organisations, hence for MSME organisations in service/trading segment have UDYAM certificate that certifies their MSME scale.</p> <p>However, private limited companies are termed as Start-ups, not the proprietorship companies. Being an proprietorship MSME organisation, kindly consider UDYAM certificate issued by The Ministry of Micro, Small and Medium Enterprises (MSME) to be termed as MSME.</p>	As per Amendment 1
		<p>Clause 3.3.3 (a): Financial Eligibility Criteria- Here the financial criteria (average turnover and net worth), which you have drafted is in crores (INR 1.8 Cr, INR 3.5 Cr, and INR 4.1 Cr). Request- The aforementioned criteria is way too much for any MSME in the country.</p> <p>Hence please give some relaxation to MSME viz a viz large corporate. Also, for SMEs registered recently in last six months, please consider their financials on pro-rata basis (for e.g., for SME you have set financial turnover 80lacs per year, then for six-month old start-up 40lacs would work)</p>	No Change envisaged

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		<p>Clause 3.11.1: Bid Security - The bidder shall be required to furnish Bid Security as per below table (18 lacs - Cluster 3)</p> <p>Request- In our opinion as a start-up/MSME community, same bid security amount (20%) for large corporates and SME doesn't make much sense. It makes entire tendering process more biased towards large corporates and make it non-feasible for SMEs companies. Hence its our humble request to provide relaxation to MSME categories, if not 100% then you may look at to reduce to 5-7% of overall project cost.</p>	As per Amendment 1
7	M/s DYNAMECH ELECTRO POWER PVT. LTD. Bhopal	Whether technical qualification required under each cluster. Should be work done in that particular cluster or total work done by the bidder.	Technical qualification requirement is for the total work done by the Bidder.
		Whether work done in particular cluster need to be related to off grid Solar Rooftop only or it should be any off-grid project such as Off-grid Solar Water Pumping System. Because in the eligibility criteria it is not specified that it should be only Solar Rooftop off-grid. There are rooftop systems of Off-grid, Hybrid and On-Grid, where least solar installations are off-grid	Yes, experience of On-grid rooftop solar systems, Off-grid rooftop Solar Systems, Off-grid Solar Water Pumping System and Solar Street Lights shall be considered for Technical Eligibility Criteria fulfillment
		Clarification regarding Technical Eligibility criteria where cumulative number is not matching with the sum of Technical Eligibility criteria required for each individual cluster.	As per Amendment 1

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8	M/s Madnani Engineerings works	<p>Certain amendments to the technical specifications and terms as outlined below:</p> <p>Technical Specifications: PV Module: 400Wp (200Wpx n Nos.) Battery: Minimum 12.8V/160Ah (2048Wh) Charge Controller Rating: 30A Load: 90W to 120W (Maximum) Duty Cycle & Autonomy: 6-7 hours/day with two days of autonomy</p> <p>Load Details: 7W LED Bulb x 5 Nos. 20W Table Fan (+5% allowance for instrumental errors)</p>	No Change envisaged
		PBG requirement be revised to a maximum of 5% instead of the current 20%.	No Change envisaged
9	M/s Sainik Industries Pvt ltd. Noida	Battery capacity – the total energy of battery on page no. 53 under section 9.3.1 , in row 8 of the table, is 1250 Wh , and in row 6 of the table, nominal voltage mentioned is 12.8 v. On the basis of these specifications, the battery capacity would be 100Ah . According to Load current mentioned on page no.54 , undersection 9.4.1 , in row 04, that is 10 Amp, the battery backup would be 10 hours (max).	No Change envisaged
10	M/s Suryam International Private Limited	<p>Kindly clarify that the Bid Security has to be submitted separately for each cluster or only one Bid Security has to be prepared.</p> <p>Desired Bid Security shall be furnished by every Bidder including MSMEs or any Govt./ semi-Govt./ PSU organizations/ agencies. The initial validity of Bid Security shall be for a period of One Hundred and Eighty (180) Days from the Bid Deadline, which shall be extended by the Bidder on the advice of Nodal Agency, if required, at any time before bid process is concluded. We as a Startup hereby request to kindly consider the exemption of Bid Security for Startups/MSME.</p>	<p>Bidder may submit Bid Security separately for each Cluster or combined Bid Security for all Clusters for which Bidder is submitting the Bid</p> <p>As per Amendment 1</p>

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		<p>Bidder shall submit the original Technical Bid (hard copy) including but not limited to Bid Security in the form of BG, Power of Attorney and declaration at Nodal Agency office on or before the date mentioned in Clause 2.5.</p> <p>Do we have to submit all the technical Bid uploaded in the portal in original forms hard copy?</p>	<p>Yes. However, in case of discrepancy, the online submission shall be considered.</p>
11	M/s Servotech Power Systems Limited	<p>Clause 3.11.2 - Desired Bid Security shall be furnished by every Bidder including MSMEs or any Govt./ semi-Govt./ PSU organizations/ agencies. EMD for subject RFP should be exempted for MSME companies</p>	<p>As per Amendment 1</p>
		<p>Clause 7.1 - 100% of value for each Project shall be paid within 30 Days from the successful Commissioning of Project in a Cluster subject to deduction of LDs Payment Should in parts like 50% After Supply of Materials, 50% after Installation & Commissioning.</p>	<p>No Change envisaged</p>
		<p>Clause 3.12.1 The value of the PBG for each Cluster shall be 20% of the Project Cost plus GST @18% multiplied with the number of Habitations. PBG should be 5% of the discovered L1 Amount.</p>	<p>No Change envisaged</p>

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		<p>Clause 3.3.2(d) All the projects shown to meet Technical Eligibility Criteria should have been commissioned/ completed and also successfully completed Comprehensive O&M of at least three (3) Year prior to Technical Bid Deadline in last seven (7) Years. For Technical Eligibility, Bidder shall submit work completion/ commissioning certificates issued by any Government Agency/ Department/ Company.</p> <p>As per tender documents there is an exception for MSMEs regarding Technical qualifying requirements.</p> <p>If the department is providing exemptions in the technical qualification criteria for MSME and startup firms. We also request that if such exemptions are provided, a similar exemption should be extended to the Earnest Money Deposit (EMD) for consistency and fairness.</p> <p>& please consider Udyam Certificate for MSME</p>	As per Amendment 1
12	M/s Shree Akshay Urja Company	<p>Reduction of EMD and PBG Amounts: The current Earnest Money Deposit (EMD) and Performance Bank Guarantee (PBG) amounts which are significantly higher compared to standard practices elsewhere. A reduction in these amounts would help us a lot.</p>	No Change envisaged
		<p>Relaxation of Criteria for Recognized Startups: For startups recognized by the government, it would be beneficial to relax both the technical and financial criteria. This would support new enterprises and foster innovation in line with the government's startup-friendly policies.</p>	Please refer Clause 3.3.2(c), Technical Eligibility Criteria for MSMEs and Startups are exempted subject to submission of required documents

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		Inclusion of Subletting Option: Introducing a provision for subletting could allow local distributors in specific regions to participate effectively, thereby increasing competition and ensuring wider coverage.	No Change envisaged
13	M/s Shree Akshay Urja Company	As per the document, bidder are required to have a minimum of 3 years of experience in off-grid projects to qualify for participation. Could you please clarify why contractor with 3 years of experience in on-grid projects are not considered eligible? Given that on-grid projects also involve a high level of technical expertise and similar infrastructure, it would seem that bidder with experience in both domains could bring valuable insights and capabilities to this tender.	Experience of On-grid rooftop solar systems, Off-grid rooftop Solar Systems, Off-grid Solar Water Pumping System and Solar Street Lights with Battery shall be considered for Technical Eligibility Criteria fulfillment

Amendment-1

To Request for Proposal for Selection of Contractor(s) For Design, Engineering, Supply, Installation, Testing and Commissioning along with Comprehensive O&M of Capacity 1,080 Wp or more Distributed Off-Grid Rooftop Solar PV Projects at 2,060 Identified Households in the State of Madhya Pradesh Under PM-JANMAN Scheme RFP No: F/UVN/PM-JANMAN/2024-25/1724 Dated: 16/08/2024

This amendment should be read along with the RFP

S.No.	Clause No. and Page No. of RFP	Original RFP Provision	Revised RFP Provision
1.	A. Bid Information Sheet (row 13) & Page No. 8	Bid Processing Fee (non-refundable): Bidder shall pay Tender Fee of Rupees 10,000/- (Rupees Ten Thousand Only, exclusive of GST) through online mode at mptenders.gov.in. This Tender Fee is exclusive of GST and portal charges/ payment gateway charges. The additional charges beyond the Tender Fee shall be borne by the Bidder. By paying Tender Fee, a Bidder shall be eligible to Bid under this RFP. No exemption towards	Bid Processing Fee (non-refundable): Bidder shall pay Bid Processing Fee of Rupees 10,000/- (Rupees Ten Thousand Only, exclusive of GST) through online mode at mptenders.gov.in. This Tender Fee is exclusive of GST and portal charges/ payment gateway charges. The additional charges beyond the Tender Fee shall be borne by the Bidder. By paying Tender Fee, a Bidder shall be eligible to Bid under this RFP. MSMEs and Startups are exempted from payment of Bid Processing Fee.

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		Tender Fee or E-tendering fees or portal charges/ payment gateway charges is allowed to any type of organizations/ agencies including MSMEs, Startups or any Govt./Semi Govt./ PSUs.							
2.	A. Bid Information Sheet (row 14) & Page No. 8	Bid Security: Interested Bidders shall furnish Bid Security as per Clause 3.11 of this RFP. Contractor(s) shall furnish the Bid Security as per the prescribed FORMAT 4: BID SECURITY.				Bid Security: Interested Bidders shall furnish Bid Security as per Clause 3.11 of this RFP. Contractor(s) shall furnish the Bid Security as per the prescribed FORMAT 4: BID SECURITY. MSMEs and Startups are exempted from submission of Bank Guarantee towards Bid Security.			
3.	B. DEFINITIONS & ABBREVIATIONS (Definition of MSME is added below S.No. 29)	-				29.(A) "MSME(s)" shall means the Micro, Small and Medium Enterprises whose place of work and registered office are in the state of Madhya Pradesh as defined under the Micro, Small and Medium Enterprises Development Act 2006;			
4.	B. DEFINITIONS & ABBREVIATIONS (Definition of MSME is added below S.No. 38)	-				38.(A) "Startup(s)" means those startups which have been recognized by the Startup India of the Ministry of Commerce and Industry, Government of India and whose registered office is in the State of Madhya Pradesh.;			
5.	Clause 2.5. Key Dates and Page No. 13	S.No	Tender Stage	Date	Time (Hrs.)	S.No	Tender Stage	Date	Time (Hrs.)
		1.	RFP Upload Date	29.08.2024	1700	1.	RFP Upload Date	29.08.2024	1700
		2.	Purchase of RFP Start Date	29.08.2024	1800	2.	Purchase of RFP Start Date	29.08.2024	1800
		3.	Pre-Bid Meeting (Online)	09.09.2024	1600	3.	Pre-Bid Meeting (Online)	09.09.2024	1600
		4.	Last Date for Submission of	10.09.2024	1700	4.	Last Date for Submission of Queries	10.09.2024	1700

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			Queries			5.	Bid Submission Start Date	01.10.2024	1700
		5.	Bid Submission Start Date	17.09.2024	1700	6.	Bid Submission End Date	15.10.2024	1700
		6.	Bid Submission End Date	30.09.2024	1700	7.	Hard Copy (physical) submission of original bid documents	16.10.2024	1500
		7.	Technical Bid Opening Date	01.10.2024	1500	8.	Technical Bid Opening Date	16.10.2024	1700
		8.	Hard Copy (physical) submission of original bid documents	01.10.2024	1700	9.	Financial Bid Opening Date	24.10.2024	1500
		9.	Financial Bid Opening Date	08.10.2024	1500				

6.	Clause 3.3.2 a. and Page No. 16	The Bidders should have completed/commissioned distributed off-grid projects in design, engineering, supply, installation, testing and commissioning including Comprehensive O&M of at least three (3) Years of capacities indicated in table below:			The Bidders should have completed/commissioned distributed On-grid rooftop solar systems, Off-grid rooftop solar systems, Off-grid Solar Water Pumping System and Solar Street Lights systems shall be considered in design, engineering, supply, installation, testing and commissioning including Comprehensive O&M of at least three (3) Years of capacities indicated in table below:						
		Cluster	District (s) Covered	No. of Habitations	No. of Unelectrified Households	Technical Qualification (kW p)	Clusters	District (s) Covered	No. of Habitations	No. of Unelectrified Households	Technical Qualification (kW p)
		Cluster 1	Annupur, Shahdol, and	158	891	289					

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		<p>period of One Hundred and Eighty (180) Days from the Bid Deadline, which shall be extended by the Bidder on the advice of Nodal Agency, if required, at any time before bid process is concluded.</p>	<p>Days from the Bid Deadline, which shall be extended by the Bidder on the advice of Nodal Agency, if required, at any time before bid process is concluded.</p> <p>MSMEs and Startup are exempted from the submission of Bid Security for the submission of Bid under this RFP. However, MSMEs registered as MSMEs (Micro, Small and Medium Enterprises) under NSIC/ DIC/ Udyog Certificate only are exempted from submission of Bid Security. In this regard, the Bidder will have to furnish MSME Registration certificate issued by the appropriate authority (as applicable). Further, submission of MSME certificates issued in the name of Affiliate / Promoter shall not be considered. Further, Startups should have been recognized by the Startup India of the Ministry of Commerce and Industry, Government of India.</p>
10.	Clause 3.12.2 and Page No. 24	The value of the PBG for each Cluster shall be 20% of the Project Cost plus GST @18% multiplied with the number of Habitations.	The value of the PBG for each Cluster shall be 20% of the total project cost i.e., Project Cost plus GST @18% multiplied with the number of Habitations.
11.	Clause 3.13.3 and Page No. 25 & 26	<p>3.13.3. Nodal Agency shall do due diligence of works allotted to the Contractor and may cancel the LOA (partially/ fully) or grant the time extension with Liquidated Damages as stated below:</p> <p>a) In case there is a delay in achievement of date of Commissioning of all the Projects in a Cluster, a LD @0.75% of Project Cost per week shall be levied from the date of Commissioning or extended date of Commissioning, subject to eight (8) weeks delay. In case, all the Projects are not achieved Commissioning even after eight (8) weeks of delay, Nodal Agency shall provide additional four (4) weeks with a LD @1% of Project</p>	<p>Nodal Agency shall do due diligence of works allotted to the Contractor and may cancel the LOA (partially/ fully) or grant the time extension with Liquidated Damages as stated below:</p> <p>In case there is a delay in achievement of date of Commissioning of one or more Projects in a Cluster, a LD @0.75% of Project Cost per week shall be levied from the date of Commissioning or extended date of Commissioning for the Projects delayed, subject to total eight (8) weeks of delay. In case, one or more Projects are not achieved Commissioning even after eight (8) weeks of delay, Nodal Agency shall provide additional four (4) weeks with a LD @1% of Project Cost per week. Thereafter, LOA shall stand cancelled and</p>

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Cost per week. Thereafter, LOA shall stand cancelled and additional LD of 10% of Project Cost shall be levied.

Illustration: In a Cluster of 891 households with a Project Cost of Rs. 100 plus GST, Contractor has not achieved the Commissioning of a single households, LD shall be calculated in following manner:

$LD \text{ per week} = 0.75\% \times 100 \times 891 = \text{Rs. } 668.25 \text{ per Week,}$

Maximum LD for eight weeks is Rs. 5,346

However, if the Contractor fails to complete the Projects in a Cluster within eight Weeks of delay, further LD shall be calculated in following manner:

$LD \text{ per week} = 1\% \times 100 \times 891 = \text{Rs. } 891 \text{ per Week,}$

Maximum LD for four weeks is Rs. 3,564

Total maximum LD in above case is Rs. 8,910.00 and additional LD of 10% of the Project Cost on the Projects which are failed to be commissioned after twelve (12) weeks of delays shall be levied. The said LD shall be calculated in following manner:

$Additional \text{ LD} = 10\% \times 100 \times 891 = \text{Rs. } 8,910.00$

Total LD in above illustrated case shall be Rs. 17,820.00.

b) However, in case there is a delay by Contractor in achievement of date of Commissioning of part of the Projects in a Cluster, a LD @0.75% of the proportionate Project Cost per week (for the Projects which are yet achieve commissioning in a Cluster) shall be levied from the date of Commissioning or extended date of Commissioning, subject to maximum eight (8) weeks delay. In case, part of Projects in a Clusters is not achieved

additional LD of 10% of Project Cost shall be levied for the Project does not achieve Commissioning.

Illustration 1: In a Cluster of 891 households with a Project Cost of Rs. 100 plus GST, Contractor has not achieved the Commissioning of a single households, LD shall be calculated in following manner:

$LD \text{ per week} = 0.75\% \times 100 \times 891 = \text{Rs. } 668.25 \text{ per Week,}$

Maximum LD for eight weeks is Rs. 5,346

However, if the Contractor fails to complete the Projects in a Cluster within eight Weeks of delay, further LD shall be calculated in following manner:

$LD \text{ per week} = 1\% \times 100 \times 891 = \text{Rs. } 891 \text{ per Week,}$

Maximum LD for four weeks is Rs. 3,564

Total maximum LD in above case is Rs. 8,910.00 and additional LD of 10% of the Project Cost on the Projects which are failed to be commissioned after twelve (12) weeks of delays shall be levied. The said LD shall be calculated in following manner:

$Additional \text{ LD} = 10\% \times 100 \times 891 = \text{Rs. } 8,910.00$

Total LD in above illustrated case shall be Rs. 17,820.00.

Illustration 2: In a Cluster of 891 households with a Project Cost of Rs. 100 plus GST, Contractor has achieved the Commissioning of 500 households but yet to achieve the Commissioning of remaining 391 households, LD shall be levied on the project cost related to 391 households which is equivalent to 0.75% $\times 100 \times 391$

$LD \text{ per week} = 0.75\% \times 100 \times (891 - 500) = \text{Rs. } 293.25 \text{ per Week,}$

Maximum LD for eight weeks is Rs. 2,346.00

However, if the Contractor fails to commission 191 Projects in a Cluster

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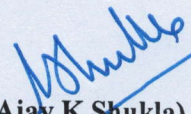
		<p>Commissioning even after 8 weeks of delay, Nodal Agency shall provide additional four (4) weeks with a LD @1% of proportionate Project Cost per week. Thereafter, LOA shall stand cancelled and additional LD of 10% of Project Cost shall be levied.</p> <p><i>Illustration:</i> In a Cluster of 891 households with a Project Cost of Rs. 100 plus GST, Contractor has achieved the Commissioning of 500 households but yet to achieve the Commissioning of remaining 391 households, LD shall be levied on the project cost related to 391 households which is equivalent to $0.75\% \times 100 \times 391$</p> <p>$LD \text{ per week} = 0.75\% \times 100 \times (891 - 500) = \text{Rs. } 293.25 \text{ per Week,}$</p> <p><i>Maximum LD for eight weeks is Rs. 2,346.00</i></p> <p>However, if the Contractor fails to complete remaining Projects in a Cluster within eight Weeks of delay, further LD shall be calculated in following manner:</p> <p>$LD \text{ per week} = 1\% \times 100 \times (891 - 500) = \text{Rs. } 391.00 \text{ per Week,}$</p> <p><i>Maximum LD for four weeks is Rs. 1,564.00</i></p> <p><i>Total LD in above case is Rs. 3910.00 and additional LD of 10% of the Project Cost on the Projects which are failed to be commissioned after twelve (12) weeks of delays shall be levied. The said LD shall be calculated in following manner:</i></p> <p><i>Additional LD = $10\% \times 100 \times (891 - 500) = \text{Rs. } 3,910.00$</i></p> <p><i>Total LD in above illustrated case shall be Rs. 7,820.</i></p>	<p><i>within eight Weeks of delay, further LD shall be calculated in following manner:</i></p> <p>$LD \text{ per week} = 1\% \times 100 \times (891 - 700) = \text{Rs. } 191.00 \text{ per Week,}$</p> <p><i>Maximum LD for four weeks is Rs. 764.00</i></p> <p><i>If Contractor fails to achieve commissioning of 191 Projects in a Cluster even after twelve (12) Weeks of delay, total LD for twelve (12) Weeks delay in above case is Rs. 3,110.00. Additional LD of 10% of the Project Cost on the Projects which are failed to be commissioned after twelve (12) weeks of delays shall be levied. The said LD shall be calculated in following manner:</i></p> <p>$Additional LD = 10\% \times 100 \times (891 - 700) = \text{Rs. } 1,910.00$</p> <p><i>Total LD in above illustrated case shall be Rs. 5,020.</i></p>
12.	Clause 3.14.1 b. and Page No. 26	Nodal Agency or the Inspecting Authority may inspect the Project installation on or before the completion of seven (7) Days of Performance	Nodal Agency or the Inspecting Authority may inspect the Project installation on or before the completion of Performance Monitoring period after the Trail Run of

M. Shukla

		Monitoring period after the Trail Run of Project in accordance with the Scope of Work of the RFP.	Project in accordance with the Scope of Work of the RFP.
13.	Clause 3.14.1 e. and Page No. 27	If physical inspection not completed prior to the day of Trial Run, Nodal Agency or Inspecting Authority may conduct the physical inspection within one month from the day of successful Trial Run. However, it is to clarify that physical inspection of the Project is sole discretion of the Nodal Agency, but it is not the mandatory condition to issue the Commissioning Certificate of the Project.	If physical inspection not completed prior to the day of Trial Run, Nodal Agency or Inspecting Authority may conduct the physical inspection within one month from the day of successful Trial Run.
14.	Clause 3.14.1 j. and Page No. 27	In case performance of the Project during the Project Monitoring Period of seven (7) Days is unsatisfactory, Nodal Agency may ask the Contractor to take corrective measures to ensure the performance of the Project. Based on the corrective measure taken by the Contractor, Nodal Agency shall undertake a performance review of the said Project within ten (10) Days from the intimation on the corrective measures taken by the Contractor. Accordingly, Nodal Agency shall issue the Commissioning Certificate based on satisfactory corrective measures undertaken by the Contractor and performance of the Project.	In case performance of the Project during the Project Monitoring Period is unsatisfactory, Nodal Agency may ask the Contractor to take corrective measures to ensure the performance of the Project. Based on the corrective measure taken by the Contractor, Nodal Agency shall undertake a performance review of the said Project within ten (10) Days from the intimation on the corrective measures taken by the Contractor. Accordingly, Nodal Agency shall issue the Commissioning Certificate based on satisfactory corrective measures undertaken by the Contractor and performance of the Project.
15.	Clause 9.3.1 and Page No. 52	12.8 Volt DC systems with 1.2 VAh/W, LiFePo (Lithium Ferro Phosphate) battery (maximum depth of discharge 90%) with proper protection conforming to the latest BIS/ International Standards. ¹	12.8 Volt DC systems with 2.4 VAh/W, LiFePo (Lithium Ferro Phosphate) battery (maximum depth of discharge 90%) with proper protection conforming to the latest BIS/ International Standards. ¹

16.	Clause 9.4.1 and Page No. 53 and 54	MPPT charge controller to maximize energy drawn from the Solar PV array. The MPPT charge controller should be microcontroller based. The charge controller should have: ²	MPPT charge controller to maximize energy drawn from the Solar PV array. The MPPT charge controller should be microcontroller based. The charge controller should have: ²																		
		<table border="1"> <thead> <tr> <th>Sl. No</th> <th>Description</th> <th>Specification</th> </tr> </thead> <tbody> <tr> <td>2</td> <td>Charge Controller Rating @ Rated Voltage</td> <td>20 Amp</td> </tr> <tr> <td>4</td> <td>Load current Max @ rated Voltage</td> <td>10 Amp</td> </tr> </tbody> </table>	Sl. No	Description	Specification	2	Charge Controller Rating @ Rated Voltage	20 Amp	4	Load current Max @ rated Voltage	10 Amp	<table border="1"> <thead> <tr> <th>Sl. No</th> <th>Description</th> <th>Specification</th> </tr> </thead> <tbody> <tr> <td>2</td> <td>Charge Controller Rating @ Rated Voltage</td> <td>As per designing requirement of the Project</td> </tr> <tr> <td>4</td> <td>Load current Max @ rated Voltage</td> <td>As per designing requirement of the Project</td> </tr> </tbody> </table>	Sl. No	Description	Specification	2	Charge Controller Rating @ Rated Voltage	As per designing requirement of the Project	4	Load current Max @ rated Voltage	As per designing requirement of the Project
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17.	Clause 9.5.1 and Page No. 55	Data Acquisition System shall be provided for each of the Project.	Data Acquisition System shall be provided for each of the Project. RMS is mandatory for all the Projects along with necessary internet connectivity. However, in case internet connectivity is not available at the Project site, RMS should be installed, and necessary provision to connect RMS with internet connectivity should be in place.																		
18.	Clause 9.5.2 and Page No. 55	Data Logging Provision for Project control and monitoring, time and date stamped system data logs for analysis computer for data monitoring, metering and instrumentation for display of systems parameters and status indication to be provided in case Remote Monitoring System is not connectivity.	Data Logging Provision for Project control and monitoring, time and date stamped system data logs for analysis computer for data monitoring, metering and instrumentation for display of systems parameters and status indication to be provided in case working of Remote Monitoring System is not feasible due to no internet connectivity.																		

Notwithstanding above minutes of the meeting and any clarifications issued, interested bidders are advised to read RfP document carefully and take appropriate action accordingly in their own accountability. These minutes shall be treated as part of the RFP as relevant and appropriate.


(Ajay K Shukla)
Project in-Charge
(PM JANMAN Scheme)
MPUVNL

² Only relevant changes of table has been shown here