



RAJASTHAN RENEWABLE ENERGY CORPORATION LIMITED

(A Govt. of Rajasthan Undertaking)

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No F.12 (1186) RREC/Solar/Small Solar Plants/600 MW/19-20/D

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Dated 9/11/19

CORRIGENDUM

CLARIFICATIONS

Clarifications on the queries received from the prospective bidders during the Pre-bid meeting dated 19.9.2019 in respect of Tender No. RREC/DSPP/2019-20/06 dated 09.09.2019 regarding Selection of Developers for setting up of decentralized Solar PV Plants each of 0.5 MW to 2 MW (AC) aggregating to total 113.5MW capacity at Discom's 33/11kV Substations in Rajasthan :

S.No	Page No.	Referred Clause No.	Issues / Queries by Bidders	Reply / Clarification
1	18	Section-III, ITB, Clause No.5	<ol style="list-style-type: none"> 1. Procedure and applicable fee and timelines for Project registration in RRECL? 2. Will each Project of Cluster is to be registered? 	After award of the cluster(s), each project in the cluster will required to be registered online on RRECL Portal as per the provisions of prevailing Rajasthan Solar Energy Policy
2	18	Section-III, ITB, Clause No.7	<ol style="list-style-type: none"> 1. Provide the connecting Voltage level 11kV or 33 kV at connecting sub-station. 2. Provide the availability of bay for connection. 3. Provide Discom's Timeline for providing the Grid Connectivity Approval. 4. Provide the Fee applicable for getting Grid Connectivity. 5. Provide us the Reactive Power Charges applicable. 6. Confirm the Avg. Grid Availability of each specified DISCOM's Sub-station. 	<ol style="list-style-type: none"> 1.Voltage for connectivity at 33kVSubstation will be 11Kv 2.Bay is available on each Substation and will be provided by the Discoms. 3.Connectivity approval will be immediately after the request of the developers. 4.Connectivity charges as per clause no.15(a) of Section-III of tender document is INR 2.0Lakhs per MW 5.Reactive Power Charges shall be applicable as per RERC regulations / orders 6.Data not available
3	20	Section-III, ITB, Clause No.8	Confirm whether the CUF to be declared, shall be Project wise or of total Cluster?	Declaration of CUF should be projectwise
4	22	Section-III, ITB, Clause No.9	<ol style="list-style-type: none"> 1. Confirm, EMD to be submitted, shall be for total capacity of Cluster and Cluster Wise or total bidding capacity including all Cluster 2. Provide RRECL Bank Details for arranging EMD bank Guarantee as required by Nationalised banks. 	<ol style="list-style-type: none"> 1. EMD is required to be submitted for the cumulative bidding capacity of the cluster(s). 2. RREC's bank details for arranging EMD BG: Bank Account No.11331010000180 Bank Name: Oriental Bank of Commerce Branch: Pant Krishi Bhawan, Jaipur. IFSC:ORBC0101133

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5	22/23	Section-III, ITB, Clause No.10	Confirm, PBG to be submitted, shall be for total capacity of Cluster and Clusterwise or projectwise or total capacity awarded including all Cluster.	PBG is required to be submitted for the cumulative capacity of the awarded cluster(s)
6	24	Section-III, ITB, Clause No.12	In case the capacity is decreased from the one specified in RFS Annexure, then will the PPA be amended from RUVNL?	In case capacity of project(s) / cluster(s) is reduced due to reasons not in the control of the successful bidder, then equivalent PBG will be returned and PPA will be amended accordingly .
7	25	Section-III, ITB, Clause No.12	Keep the Effective date of PPA as the date of signing of PPA only.	As per tender document
8	27	Section-III, ITB, Clause No.14	1. In case of delay in commissioning of any Project in Cluster, whether LD shall be levied on that particular project capacity or on total Cluster Capacity? 2. in case of delay of more than 6 months then PPA shall stand cancelled for that particular project or total Cluster Capacity?	1. In case of delay in commissioning of any Project in Cluster, the LD shall be levied on that Particular Project Capacity only. 2. Cluster capacity having such project will be reduced subject to the provision of PPA.
9	26	13.iv	Land parcels are within the substations or at a distance from substations ?	Land is available within the premises of 33kV Substation
10	20	8.1	Include module degradation factor also. Kindly amend the clause to allow module degradation & subsequently decement in annual CUF to be allowed	Already provided in the RfS as well as PPA
11	39	A of Section IV QR	Allow use of Affiliate's Technical & Financial Credentials to bid for this project.	As per tender document
12	39	B of Section IV QR	Being a special project at this scale, put minimum experience required for Bidding as of 5-8 MW to allow only serious bidders to participate. Absence of such cap will invite non-serious players & hence may impact negatively on the execution of this tender at a later stage	Not accepted
13	39	A of Section IV QR	Clarify the Minimum & Maximum Quantum of capacity that a Company can bid for ??	As per clause no.3 of Section III ITB
14		General Query	Does bidder has to provide fencing around the plant ? If yes, please specify the type of fencing required	May be decided by the bidder as per the site conditions



15	General Query	Clarify about safety of the solar plant. Does the substations have security personnel or bidder has to deploy at their own expense ??	Safety and Security of the plant will be the responsibility of the developer.
	General Query	Provide details of termination point, whether terminating at Grid Bus or Existing HT switchgear.	Termination / interconnection will be at bus or a point between bus and transformer ensuring evacuation of power for maximum time
	General Query	If connecting at HT Panel, SLD should be provided for the same.	
	General Query	Whether Bus extension required if connecting to HT Panel. Is Space available for new HT Panel at Control Room.	
19	General Query	Provide Load flow analysis of each S/S for generation loss calculation.	Data is not available with Discoms. Inter alia, it may take long time to collect this data
20	General Query	Specify the connection type from PV Plant to GSS, Is it through overhead line or Underground Cable ?	This is in the scope of developer and all confirmations for connection, whether by overhead line or underground cable is to be ensured by developer only
21	General Query	if Underground cable, Confirm, zero hindrance in the route for terminating the underground cable from PV plant, such as no underground existing cable, gas pipeline, water pipe line,etc is available.	This is in the scope of developer and all confirmations for connection, whether by overhead line or underground cable is to be ensured by developer only
22	General Query	Provide information regarding Metering point. Is it on GSS end or both end ?	Metering arrangement of each project shall be in line with relevant clauses of PPA/RERC/CEA metering regulations at developer's cost
23	General Query	Provide the undulation details of all the sites.	This detail is not available. However, RFS contains the provision for physical site verification by developer before bid submission
24	General Query	We assume that Cleaning, Grading and Cutting of land will be done by RRECL if required. Kindly Confirm	In the scope of Developer
25	General Query	Provide the Geotech report of all the sites for foundation design.	In the scope of Developer
26	General Query	Is there any limitation of size for MMS foundation. Kindly confirm	In the scope of Developer
27	General Query	What will be the source of water during construction and for module cleaning system ?	In the scope of Developer



28	General Query	We understand that bidder is free to choose the material for Module mounting structures and fasteners. Kindly confirm.	Yes, it is in the scope of Developer
29	General Query	Provide the outfall point locations for drain discharge.	This detail is not available. However, RFS contains the provision for physical site verification by developer before bid submission
30	General Query	Clarify whether PV Modules can be of Indian Make only or any	There is no such restriction
31	General Query	Inverters can be String & Central both, kindly confirm	In the scope of Developer
32	General Query	Whether SCADA to be provided for each and every site or single SCADA can be utilized for multiple sites ?	As per requirement in view of applicable RERC regulations /orders
33	General Query	Whether ESE LA can be installed (as per NFC 17 102) ?	It is obligation of developer to design, construct, maintain & operate the project as per CERC/CEA/RERC regulations, safety & protection measures
34	General Query	Kindly confirm whether solar site is in the premises of every Sub-Station- 11/33kV, as distance is required between site and substation	Each plant is to be set within the premises of Substation
35	General Query	Provide the Sub-Station SLD for solar power termination purpose for all the sites	it is the obligation of developer to arrange to approve the solar power termination scheme from M&P Wing of concerned Discom
36	General Query	Whether WMS is required at every site. If so, then which type of weather inputs are required ?	As per tender document
37	General Query	in case of non availability of Grid, request compensation mechanism for SPD's in monetary terms.	in case of non-availability of grid due to the reasons attributable to procurer is more than continuous 50 hours then the compensation shall be provided at the 50% of PPA tariff for the deemed generation during the period of grid non-availability. The revised clause is enclosed
38	General Query	Request RRECL to conduct reverse auction for each cluster at different days & times. It is not possible for bidder to simultaneously bid for all the clusters selected.	Timings for the different clusters will be intimated to the eligible bidders before Reverse auction
39	General Query	If existing Transformer needs to be upgraded, then who will bare the cost?	In the scope of Discom

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40		General Query	As per RERC framework of scheduling and forecasting is applicable to the solar power generators with minimum capacity of 5MWp. However, in PPA, Article 6 has been included for scheduling and forecasting though the tender is for 0.5MW-2MW solar power plant	Shall be applicable as per relevant RERC regulations / orders from time to time.
41		General Query	As per eligibility criteria bidder should be registered in companies Act 2013 we request you to allow proprietor to bid	As per tender document
42		General Query	Clarify if developers are allowed to bid or not	As per tender document
43		General Query	REIL being a Public Sector Enterprise is exempted from submission of EMD for RREC Tenders..	As per tender document
44		8.4 of Section III ITB	. If any grid failure is there due to Discom end the losses be compensated to successful bidders.	In case of non-availability of grid due to the reasons attributable to procurer is more than continuous 50 hours then the compensation shall be provided at the 50% of PPA tariff for the deemed generation during the period of grid non-availability.
45		General Query	Will clear / Levelled land shall be provided by Discom for installation of Solar Power Plant ?	Land will be provided by Discom in as it is condition.
46		General Query	Reverse auction shall be conducted sequentially & separately clusterwise	Timings for the different clusters will be intimated to the eligible bidders before Reverse auction
47	21	8.4 b	Generation loss due to grid failure should be compensated in terms of deemed generation as per MNRE notifications.	In case of non-availability of grid due to the reasons attributable to procurer is more than continuous 50 hours then the compensation shall be provided at the 50% of PPA tariff for the deemed generation during the period of grid non-availability.
48		General Query	Current formula will make project open for bankruptcy as no limitation or penalty on off taker to ensure grid availability.	In case of non-availability of grid due to the reasons attributable to procurer is more than continuous 50 hours then the compensation shall be provided at the 50% of PPA tariff for the deemed generation during the period of grid non-availability.
49		Section-III, ITB, Clause No.5	It wishes to clarify that the construction/ installation and maintenance of the Interconnection Point is not in the scope of the SPD	it is clarified that connectivity shall be provided by Discom on the deposition of connectivity charges. However, all the cost including that of construction of bay, installation of switchgear, metering equipment for injection of power at delivery point shall be borne by developer



50		Document Format 7.9	Is there is any particular format for the 'Pre-Feasibility Report' ?	There is no prescribed format for pre feasibility
51		Annexure-F	The methodology of resolution, if on technical assessment of the mentioned sites, the capacity estimated deviates from that estimated in this RfS	In this situation cluster(s) capacity shall be revised in the PPA
52		Annexure-G	Request the option for further discussion on certain PPA clauses and modification if required	Not accepted

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AMENDMENTS

Amendment No.1

Clause No. 8.4 b of Section III ITB “**Generation Compensation in off-take constraints due to Grid Unavailability**” of Bid Document

And

Clause No.4.9.2 of Power Purchase Agreement “**Compensation in off take constraint due to Grid Unavailability**” may be read as under

During the operation of the plant, there can be some periods where the Project can generate power but due to temporary transmission unavailability, the power is not evacuated, for reasons not attributable to the SPG. In such cases, subject to the submission of documentary evidences from the competent authority, the generation compensation shall be as under and there shall be no other claim, directly or indirectly against RUVNL

Duration of Grid unavailability	Provision for Generation Compensation
Grid unavailability in a contract year as defined in the PPA: (only period from 8 am to 6 pm to be counted):	<p>Generation Loss = [(Average Generation per hour during the Contract Year) × (number of hours of grid unavailability during the Contract Year for solar generation)]</p> <p>The excess generation by the SPD equal to this generation loss shall be procured by RUVNL at the PPA tariff so as to offset this loss in the succeeding 3 (three) Contract Years</p> <p style="text-align: center;">OR</p> <p>In case of non-availability of grid due to the reasons attributable to procurer is more than continuous 50 hours then compensation = 50% of [(Average Generation per hour during the Contract Year) × (number of hours of grid unavailability during the Contract Year for solar generation)]x PPA Tariff]</p> <p>Where, Average Generation per hour during the Contract Year (kWh) = Total generation in the Contract Year (kWh) ÷ Total hours of generation in the Contract Year.</p>

Amendment No.2

Clause No. 15 (a) of Section III ITB of Bid Document “Interconnection with Grid” may be read as under:

This may be provided by the Discom on the request of the project developer, even if the *project* is only partially ready to facilitate testing and allow flow of power generated into the grid to avoid wastage of Power. SPD shall be responsible for payment of connectivity charges i.e. INR 2 Lakhs per MW to the Rajasthan Discoms. If there is any revision in the connectivity charges at the time of Commissioning of the solar PV plant at a particular sub-station, than SPD will have to pay the revised charges.



It is further clarified that connectivity shall be provided by the Discom on the deposition of connectivity charges. However, all the cost including that of construction of bay, installation of switchgear, metering equipment for injection of power at delivery point shall be borne by the developer. It will be the responsibility of the SPD that planning, designing, construction and testing of the power project, is in accordance with the applicable law, Grid Code, CEA(Technical Standards for distributed generation sources) and prudent utility practices/standards.



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