

Response to Pre-Bid Queries
Ministry of New and Renewable Energy (MNRE), Government of India: 50.0 MWp Off-Grid SPV Power Plant under RESCO Model
Request For Selection of Developers for Design,Supply, Testing, Installation & Commissioning of aggregated 50.0 MWp Off-grid SPV Power Plants under RESCO Model

Sl. No.	Clause No./Page No.	Clause/Title	Query/Proposal	Responses
	Page No. 1		<p>The submission of bids till the 30th November, 2020 up to 11:00 noon IST, the same shall be opened on the same day at 14:00 Noon IST, in MeECL Conference Room, Lumjingshai, Shillong.</p> <p style="color: red;">In this tender, designing part is very critical as it is battery based system under RESCO mode. There are limited vendors of Li-ion batteries and hybrid Solar PCUs. So in order to meet the tender technical requirement it is required some more time for tender preparation and submission. So we recommend to extend the tender submission date for 1 More month. Also we need to study some site and site survey will takes time due to covid restrictions</p>	As per Terms and Conditions Prevailing in the Tender Document.
	Page No. 8		<p>Ministry of New and Renewable Energy (MNRE), Government of India vide Order No. 318/38/2018-GCRT dated 25th June 2020 has issued the Benchmark cost for Off-Grid SPV Projects for Financial Year 2020-21.</p> <p style="color: red;">Benchmark Cost is for CAPEX project is defined. Is there any defined benchmark cost for Off Grid Solar Projects under RESCO mode also? Please provide the same.</p>	As per details mentioned in the Tender Document.

Page No. 10	Scope of Bid	<p>The successful Bidder will be expected to complete the Works by the Intended Completion time period of Three (03) Months from placement of Award by the MePDCL. Maximum Extension for Three (03) Months can be provided to RESCO provided the Reason beyond the control of RESCO.</p> <p>Meghalaya region is a special category state and having tough terrain and hilly region. Also in the current situation of COVID 19 travel restrictions are there which would affect the project execution timeline. So we recommend Project Execution timeline should be 6 month minimum from the date of award of contract and site clearance whichever is later. Maximum Extension for Three (03) Months can be provided to RESCO provided the Reason beyond the control of RESCO.</p>	As per Terms and Conditions Prevailing in the Tender Document.
Page 10 , A General Information , 1. Scope of Bid	1.3 Implementation Model	<p>The solar power plant shall be designed to supply Daily Minimum Guaranteed Energy (DMGE) to the beneficiary at the delivery point. The RESCO Company selected through competitive bidding will install the plant and operate the plant to supply DMGE to the beneficiary organisation at the discovered tariff for the aforementioned period. The beneficiary will make payment to the MePDCL according to the DMGE. During the periods of overcast/ cloudy/ rainy conditions lasting continuously for 3 (three) days or more, the requirement of DMGE shall be reduced to 30% on per day basis from the third day onwards. DMGE requirement shall restore from the day such weather conditions subside.</p> <p>Please clarify the DMGE. Generation remains is as per system designing and based on simulation data available. Is there any specific minimum value for DMGE to be declared by bidder as per MePDCL requirement? Payment to bidder not clearly mentioned. Please mention payment method to project developer/RESCO/power producer/bidder.</p>	As per MNRE Guidelines mentioned in the Tender documents

1	Page 10 , A General Information , 1. Scope of Bid	1.5 Power Purchase Agreement	<p>The Power Producer i.e. RESCO and Power Purchaser i.e. MePDCL shall sign a PPA. Beneficiary will make payment to MePDCL for the DMGE at tariff decided through bidding process Plus MePDCL share on monthly basis to MePDCL.</p> <p>PPA not attached with tender document. Please provide the same. Please define the MePDCL share. Please mention PPA Tenure for which we need to quote the tariff. At some places CMC required for for complete system for 5 Years while Battery Warranty required 10/15 Years .Please clarify. What is relevance of CMC of 5 years for RESCO Model of 10 / 15 years? As bidder has to take care of plant for 10/15 years unconditionally ?</p>	Please refer standard MNRE PPA Agreement issued vide F.No.32/6/2020-SPV Division Date: 22nd July 2020
	Page No. 22	Point 32. 5 Year CMC	<p>The SPV Power Plant contract price includes the provision of 5 years mandatory Comprehensive Maintenance Contract (CMC).</p> <p>Please clarify that CMC will be for 5 Years or more. As it is mentioned that battery life required for 10/15 Years. What is relevance of CMC of 5 years for RESCO Model of 10 / 15 years ? as bidder has to take care of plant for 10/15 years unconditionally ?</p>	As per Terms and Conditions Prevailing in MNRE Guideles and the Bid Document

Page 27	Price	<p>The price shall also include designing, manufacturing, inspection, supply, transport, insurance, handling etc to fulfillment of Daily Minimum Guaranteed Energy (DMGE) requirement of beneficiary.</p> <p>Site detail not mentioned in the tender document. Site may be RCC/Tin shed/inclined or flat roofs with varying termination distances. So it becomes imperative for bidders to inspect some of the sites for tentative design & cost estimation. So it is requested to provide some site detail for reference so that we can get the survey arranged in advance before bid submission. Also provide the list of site for aggregate capacity of 50 MW with individual site solar capacity, roof profile, roof access, sanction load of sites etc.</p>	It may be RCC/Tin shed/any shed and/or mix of RCC/Tin Shed/any shed and may or may not be inclined.
Page 28	Payment	<p>70% of the Central Financial Assistance (CFA) shall be paid against Design, Supply, Testing of Off-Grid SPV Power Plants 30% of the Central Financial Assistance (CFA) shall be paid against Installation & Commissioning of Off-Grid SPV Power Plants in different location in the state of Meghalaya under RESCO Model.</p> <p>It is requested to clarify the CFA % of project cost. Will it be absolutely on the MNRE benchmark cost? Please specify. How CFA is relevant for RESCO Model ? CFA will be paid to successful bidder as lump sum amount and rest of the amount will be paid in RESCO Model.</p>	As per MNRE Guidelines mentioned in the Tender documents

<p>Section 6 , Page No 36 Power Conditioning Unit</p>	<p>Terms & conditions</p>	<p>PCU refers to combination of Charge controller and inverter and shall be supplied as integrated unit or different units of charge controller and inverter depending on rating & size of the power plant. The PCU should be a Hybrid type which can be able to export energy to Grid interface.</p> <p>Please specify the load detail which is to be connected with Solar PCU. Also please put some light on energy meter part. The same is required for understanding the actual operation of system . Please specify system size and PCU rating used in the project? it is from 10kW to25kW or 1kW to 25kW as tender mentioned technical specification for 25kVA PCU only.</p>	<p>As per Terms and Conditions Prevailing in the Tender Document.</p>
<p>Section 6 , Page No 40</p>	<p>Energy Meters</p>	<p>As the inverter may be a Hybrid Inverter, the system may export excess energy to the Grid interface therefore, Energy Meter such as Net Meter/Gross Meter (as per the decision of MePDCL) with all accessories (as per requirement) should also be provided additional with the system.</p> <p>Need more details on required energy meter. Will the billing be done through single Solar Energy Generation Meter or two separate energy meter required (one energy meter at load side and another at grid export side)?</p>	<p>Bidders are advised to follow MNRE "Guidelines for Implementation of Off-grid Solar Power Packs/Plants in RESCO Mode" issued vide F. No. 32/6/2020-SPV Division Dated: 22nd July 2020.</p>
<p>Page 52, Price Bid Format Annexure 10</p>		<p>Tariff to quote as per Formula: Total Tariff (in INR) (up to 2 decimals) (f) {f=c*d+e}</p> <p>Please define values d and e in the formula .DO we need to keep same table as reference for project capacities 1-10kWp?</p>	<p>As per the prevailing Terms and Conditions in the uploaded BOQ.</p>

	Page 35 Section 6, S.No. 4		DC Distributions Board PI allow to design DCDB as per bidder specifications suitable for system size DC ammeter, Voltmeter and Amp Hr meter is not require in DCDB and all the parameters can be monitor through PCU which will be next to DCDB.	As per the Terms and Conditions Prevailing in the Tender Document.
	Page 36 Section 6, S.No. 5		Power Conditioning Unit Specifications for 25kVA PCU is provided, however other rating of PCU specifications are not given. Also, clarify 6 Hr battery back for what capacity of Load.	As per Terms and Conditions Prevailing in the Tender Document.
	Page 38 Section 6, S.No. 7		Battery Bank Specifications for 52kWh battery is provided. However please provide the battery capacity for other rating of solar PV system. Also Hydrometer thermometer are not applicable for Lithium battery.	As per Terms and Conditions Prevailing in the Tender Document.
	Page 40 Section 6, S.No. 11		Energy Meters PI specify the qty of unidirectional and bidirectional energy meters and energy measurement criteria. We recommends to measure generation at grid point and load point.	As per the Terms and Conditions Prevailing in the Tender Document.
2	Clause 1.4, Page-11	Qualification of the Bidder	Please consider Annual Turnover, Networth till F.Y 2018-19. F.Y 2019-20 are not finalised yet.	As per the Terms and Conditions Prevailing in the Tender Document.
			As per Ministry Of Finance latest circular Performance Security has been reduced to 3%. So please consider.	As per the Terms and Conditions Prevailing in the Tender Document.
			Kindly clarify whether only panels should be made in India or both cell and panels should be made in India?	As per the Terms and Conditions Prevailing in the Tender Document.
			Kindly clarify whether all components of the inverter should be mandatorily made in India or not as it is quite difficult to arrange all the parts of the inverter to be indigenous.	As per the Terms and Conditions Prevailing in the Tender Document.

			Kindly clarify whether all components of the battery should be mandatorily made in India or not as it is quite difficult to arrange all the parts mainly cells of the battery may be imported from the foreign countries.	As per the Terms and Conditions Prevailing in the Tender Document.
	Page No 9		The Lowest Rate i.e., L1 received would be appropriate tariff rate for awarding the work; rest L2, L3, L4..... will be awarded based upon their confirmation to meet the L1 tariff rate till completion of capacity. MePDCL only may allot the work to Single L1 bidder	As per the Terms and Conditions Prevailing in the Tender Document.
	Clause No. 34/ Page No.30		The penalty could be up to two (02) times of the rate at which power is supplied by the developer to the beneficiary. How many days can given to developer to rectify the fault.	As per the Terms and Conditions Prevailing in MNRE Guidlines issued vide F. No. 32/6/2020-SPV Division dated 22nd July 2020.
	Clause No. 10 /Page No. 30		The supplier shall arrange for transit and erection insurance of the materials & equipment's for setting up of Solar Photovoltaic System. The supplier shall also arrange for insurance of materials & equipment's up to CMC period. In case of any theft or damage of equipment during CMC period the same will be responsibility of supplier to get it rectify at their own cost. Request to bear the cost of insurance by the end Beneficiary.	As per the Terms and Conditions Prevailing in Tender Document.

<p>Clause No. 11 / Page No. 31</p>		<p>The Manufacturer shall not assign or sublet, manufacture, shop testing, packing & forwarding, transportation, transit insurance, supply in whole or part, and its obligations to any third party to perform under the order/ contract. In the event the manufacturer contravenes this condition, MePDCL reserves the right to reject the equipment / work contract and procure the same from elsewhere at manufacturer's risk and cost. The Manufacturer shall be solely liable for any loss or damage which MePDCL may sustain in consequence or arising out of such replacing of the contract work.</p> <p>Request to amend the clause, to execute the work by the authorised channel partner.</p>	<p>As per the Terms and Conditions Prevailing in Tender Document.</p>
<p>Clause No 11/ Page No 41</p>		<p>As the inverter may be a Hybrid Inverter, the system may export excess energy to the Grid interface therefore, Energy Meter such as Net Meter/Gross Meter (as per the decision of Medal) with all accessories (as per requirement) should also be provided additional with the system.</p> <p>Off grid system, kindly explain the procedure to export the excess power to Grid.</p>	<p>As per the Terms and Conditions Prevailing in MNRE Guidliness issued vide F. No. 32/6/2020-SPV Division dated 22nd July 2020.</p>
<p>Clause No 11/ Page No 41</p>		<p>As the inverter may be a Hybrid Inverter, the system may export excess energy to the Grid interface therefore, Energy Meter such as Net Meter/Gross Meter (as per the decision of MePDCL) with all accessories (as per requirement) should also be provided additional with the system.</p> <p>Who will bear the net meter cost / net meter procedures.</p>	<p>As per the Terms and Conditions Prevailing in MNRE Guidliness issued vide F. No. 32/6/2020-SPV Division dated 22nd July 2020.</p>

3	Clause No 11/ Page No 41		As the inverter may be a Hybrid Inverter, the system may export excess energy to the Grid interface therefore, Energy Meter such as Net Meter/Gross Meter (as per the decision of MePDCL) with all accessories (as per requirement) should also be provided additional with the system.	As per the Terms and Conditions Prevailing in MNRE Guidliness issued vide F. No. 32/6/2020-SPV Division dated 22nd July 2020.
	General	General	Allocation Explain the allocation for L1, L2, L3, L4 & L5.	As per the Terms and Conditions Prevailing in Tender Document.
	General	General	District wise allocation Request you to provide the District wise, allocated capacity.	As per the Terms and Conditions Prevailing in Tender Document.
	General	General	DCR Content Import solar panel & inverter can be use, kindly clarify.	As per the Terms and Conditions Prevailing in MNRE Guidliness issued vide F. No. 32/6/2020-SPV Division dated 22nd July 2020.
	General	General	Bidding Capacity If bidder is interested to bid for 10MW or 7.5MW, is there any option to bid for the desired capacity.	As per the Terms and Conditions Prevailing in Tender Document.
	General	General	location Kindly provide the district wise allocation	As per the Terms and Conditions Prevailing in Tender Document.
	General	General	Daily Minimum Guaranteed Energy (DMGE) Kindly provide the DMGE percentage.	As per the Terms and Conditions Prevailing in MNRE Guidliness issued vide F. No. 32/6/2020-SPV Division dated 22nd July 2020.
	General	General	BOQ Request to amend the BOQ as per plant capacity & backup hours. Like 5 kW - 6 Hours; 5 kW - 10 Hours.	As per the Terms and Conditions Prevailing in Tender Document.
	General	General	Minimum Capacity of a individual plant Kindly clarify that what's the minimum capacity of a solar power plant.	As per the Terms and Conditions Prevailing in MNRE Guidliness issued vide F. No. 32/6/2020-SPV Division dated 22nd July 2020.

	General	General	EMD When a successful bidder can get EMD	As per the Terms and Conditions Prevailing in Tender Document.
	General	General	Allocation If a bidder is bid for 5 MW & become L1. MePDCL will issue the firm work order for 5 MW or issues by lot wise.	As per the Terms and Conditions Prevailing in Tender Document.
	General	General	Bidder/consortium should have experience of successfully Supply/Installation of at least cumulative 2 MWp capacity of Solar PV Components/ Plant in any SNA / Govt. Organisation / PSU / Autonomous Bodies/ Private Organisation etc. in the last three years ending up to date of advertisement of this tender. Private work experience can be consider, kindly clarify	As per the Terms and Conditions Prevailing in Tender Document.
	General	General	Due Date Since the requirement is huge & required more time for ground study, request to provide time extension for at least 20 Days.	As per the Terms and Conditions Prevailing in Tender Document.
	General	General	Identification of Beneficiary MePDCL will provide the beneficiary list or Developer need to identify.	As per the Terms and Conditions Prevailing in Tender Document.