

Pre - BID Queries of Tender Reference no: 12/JREDA/GCRT/22-23

Agency	Sl. No.	Clause/ Annexure	Clause as per RFP	Agency's Queries	JREDA response
Husk Power Systems Private Limited	1	Section 1: List of Important dates & details of Bids NIB, S.no. 6&7, (Pg. no.6_ Tender documents)	Tender fee & EMD is exempted for MSE's of Jharkhand	Tender fee & EMD should also be exempted for MSE's for other states	Tender fee & EMD should be exempted for MSME of Jharkhand as per Jharkhand Procurement Policy, 2014
	2	Section 3: Notice Inviting Bid, Part -I: The Technical Conditions, S.no.4, Technical Eligibility (Pg. no. 8_ Tender documents)	For General/MSEs Bidder: Bidder should have experience of Design, Engineering, Supply, Installation, Testing & Commissioning of at least one project more than 100 kWp Grid Connected/ Off- Grid Solar Power Plant Project.	Please exempt this condition for this Bid	Clause will remain same as per the tender.
	3		As the project is Hybrid (Battery bank based) capacity of Inverter(PCU kVA rating) is also mentioned as same as PV Capacity	400kW Central Hybrid PCU is not available in the market. Plz. Suggest.	Selection of PCU / inverter will be as per approved drawing. (Bidder can consider multiple Inverter / PCU)
SunEdison	4		<p>4. Technical Eligibility: (page-8)</p> <p>For General/MSEs Bidder: Experience of having successfully completed similar works in any SNA / Govt. Organization / PSU during last 7 years ending last day of month previous to the one in which applications are invited should be either of the following: -</p> <p>a. Three similar completed works costing not less than the amount equal to 40% of the estimated Project cost/ Quoted Quantity Cost. OR b. Two similar completed works costing not less than the amount equal to 50% of the estimated Project cost/ Quoted Quantity Cost. OR c. One similar completed work costing not less than the amount equal to 80% of the estimated Project cost/ Quoted Quantity Cost. AND Bidder should have experience of Design, Engineering, Supply, Installation, Testing & Commissioning of at least one project more than 100 kWp Grid Connected/ Off- Grid Solar Power Plant Project.</p>	<p>For General/MSEs Bidder: Experience of having successfully completed similar works in any SNA / Govt. Organization / PSU during last 7 years ending last day of month previous to the one in which applications are invited should be either of the following: -</p> <p>a. Three similar completed works costing not less than the amount equal to 20% of the estimated Project cost/ Quoted Quantity Cost. OR b. Two similar completed works costing not less than the amount equal to 30% of the estimated Project cost/ Quoted Quantity Cost. OR c. One similar completed work costing not less than the amount equal to 50% of the estimated Project cost/ Quoted Quantity Cost. OR Bidder should have experience of Design, Engineering, Supply, Installation, Testing & Commissioning of at least one project more than 100 kWp Grid Connected/ Off- Grid Solar Power Plant Project.</p>	Clause will remain same as per the tender.
iScientific Techsolutions Labs	5		page no 28 battery specifications and back up hours not mentioned in detail	provide Battery specifications and battery back up hours	Battery backup should be minimum 4 Hrs.
	6		whether bidders are allowed to use any make of solar modules from the latest ALMM list by MNRE or not		Yes bidder can use Latest ALMM listed modules Make and Model for this project
	7		Bidders need to use indigenous modules or DCR modules		Bidder have to use ALMM listed modules.

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8		Whether external AJB is mandatorily required or not as nowadays inverter comes with an inbuilt AJB facility		Can be consider as per Design
9		if the existing infra or breakers are not suitable for the proposed size of solar power plant then change the existing infra in whose scope.		any kind of the Changes or modification will be in the bidder scope
10		whether the use of pre gal or galvalume type structure is allowed or not		Structure should be pre galvanized (coating should be >80 micron)
11		whether the use of pre gal or galvalume type structure is allowed or not		Structure should be pre galvanized (coating should be >80 micron)
12		share tentative AC cable/Wires lengths for each power plant that bidders need to consider.		Bidder can consider cable length for 500 metre. Actual length of the cable will as per the feasibility report of the bidder. Bidder can visit site for better clarity on cable routing.
13		whether bidders need to terminate solar power plants on LT Side or the HT side.		Evacuation point of SPV System will be LT Side.
14		whether the structures are ground mount type RCC type of Tin shed based.		As this is rooftop project and roof type is RCC. Bidder have to visit site and provide feasible report and selection of Structure will be as per the provided report and submit the mandatory format Annex-18
15		In the case of On -Grid system Kindly allow the bidders to maintain 15 % CUF in the first year and then allow the degradation as per MNRE guidelines also please confirm while calculating the CUF bad weather conditions, grid outage, force majeure conditions, and energy curtailment due to PV DG sync accounted for or not		As it's Tender for Hybrid SPV System. So Consider Accordingly for CUF and PR test bidder have to consider Inverter end PV generation data
16		Kindly allow the bidders to install weather monitoring sensors at a single location if power plants are installed at multiple units at a single location.		Can Consider the Single WMS for this tender.
17		whether the complete power plant is installed on a single location single roof or in multiple locations if in multiple locations then share each power plant capacity with the available shadow-free area.		Can be install at 2 location in the High court Premises.
18		whether the complete system is On-Grid type or Hybrid type as in many places it is advised to use String inverter and in many places Hybrid.		Tender is for Hybrid System, it's depend upon the developer to select the inverter and PCU (grid tie inverter + PCU for Battery bank charging or use Hybrid Central Inverter for the same.)
19		Kindly clarify as nowadays inverters are inbuilt with AJB so strings directly connected to the inverter and inverters have necessary protections and DC energy measuring capability through RMS so is it mandatory to give DC energy meter before the Inverter.		Can be consider as per Design
20		water and power requirements during installation at a single point supplied by the High court authority or not.		If authority not provide the water and power requirements then bidder have to make suitable arrangement during the installation

	21		the cleaning of the module is single-point water delivery is provided by the High court authority or not.		Developer need to take proper approval from the high court authority for taping point for the MCS.
	22		Kindly clarify if the power plant is rooftop type then chain link fencing, Pathway, Control room, switch yard, SBC test, and site leveling are required or not as those are generally required for ground-mounted systems.		Tender is for rooftop system.
	23		which capacity inverters bidders can use up to for this project and whether galvanic isolation is required or not.		Bidder can use various or single capacity inverter as per suitable design
	24		if the system is a hybrid type then maintaining 15 % CUF for 5 years and 75% PR is very difficult as there are many losses like battery losses, less efficiency of the inverter, etc.		Tender Condition Shall Prevail. Power at the the premises is supplied by dedicated 33KV feeder, grid interruptions will be negligible in this case.
	25		whether the PV_DG Sync device is required for this project or not.		The system will be sync with the existing DG.
	26		whether inverters should be MPPT type or PWM type for this project.		Tender is for Hybrid System, it's depend upon the developer to select the inverter and PCU (grid tie inverter + PCU for Battery bank charging or use Hybrid Central Inverter for the same.)
Agni Green Power	27			As per the Section-6 of the above tender (page no. 28) It is mentioned that " Hybrid Solar Power unit with battery backup or pure grid tie string/central inverter without battery backup". Kindly confirm the type of the system i.e. whether it will be Hybrid SPV plant (with battery) or On Grid SPV plant (without battery).	tender is for Hybrid System, it's depend upon the developer to select the inverter and PCU (grid tie inverter + PCU for Battery bank charging or use Hybrid Central Inverter for the same.)
	28			In the technical spec, both Hybrid and String Inverter specification has been mentioned. Kindly confirm for which type of SPV plant the bidder shall quote.	
	29			If the system shall be of Hybrid type then please share the Technical specification of the batteries as in technical spec no battery specification is mentioned.	<p>The battery bank can be VRLA/Tubular gel</p> <p>Parameters: Nominal Capacity (Ah) shall be rated @C10 Voltage (V): 2V</p> <p>General Specification:</p> <p>a. Test certificate submitted should qualify the minimum requirements as per above standards for capacity test, ampere hour efficiency test, watt hour efficiency test, self discharge test.</p> <p>b. Battery shall have a warrantee of minimum 5 years.</p> <p>c. Battery capacity is rated C/10 at 27°C</p> <p>d. Original Equipment Manufacturers (OEM) Warrantee of Battery shall be submitted.</p>