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No: F/UVN/2022-23/SPVRC/ **627**

Dated: **23**/05/23

Minutes of Pre-bid Meeting

Sub: - Minutes of virtual pre-bid meeting held on 16th May 2023, for Standardization of Rates and Selection of Contractors for Installation of Solar PV Street Lights (LED), Off-grid Power Pack, Vertical Axis Wind Turbine (SPV Hybrid), Solar Trees and Solar Water Kiosks as per RFP Specifications with Five Year Comprehensive Maintenance for various locations across Madhya Pradesh

Ref: RFP No. F/UVN/2022-23/SPVRC/376, Dated: 02/05/2023

With reference to the above referred RfP, a virtual pre-bid meeting was held on 16th May 2023.

Prospective bidders who participated in the meeting were, (i) Wind Stream Technologies, (ii) Chartered Engineering and Trading Enterprises, (iii) JBC Rewa, (iv) Greengrid Renewables, (v) MR Electricals, (vi) Pearl India, (vii) Panchveer Power, (viii) Madnani Engineering Works, (ix) Kalpa Power.

The bidders were given an overview of the RFP, including key features of the bid process, scope of work and various categories of systems under the RFP, followed by discussions with the bidders and addressing their queries.

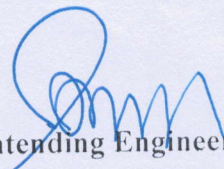
Minutes of discussion on key points discussed during the pre-bid meeting are as follows:

1. **Vertical Axis Wind Turbine:** The configurations of wind turbine based systems would be as mentioned in the RFP. There could be multiple sites of various capacities (indicative 100 kW, in total) where the systems would be installed as per suitable configuration from the three proposed configurations, i.e. (i) 100% wind, (ii) 20% wind and 80% solar and (iii) 40% wind and 60% solar.
2. **Regarding Market Mode under the RFP:** As per the RFP, Selected Bidder would have the opportunity to market their products and obtain requirements from Government Organizations, as per terms and conditions of MPUVN tender.
3. **Regarding Category A Systems:** Bidder suggested that for Category A systems, for 3 days autonomy, the battery requirements should be 80 AH for 80Wp system and 110 AH for 120 Wp system, or else the 3 days autonomy provision should be removed. This was examined and accordingly it is clarified that the *battery backup should be kept 80 AH for 80 Wp system and*

110 AH for 120Wp system. The participants are requested to submit their offers with these revised specifications.

4. **Technical Specifications for Category B (Solar PV High Mast Lights):** It is clarified that 6 x 150 Wp modules, aggregating to 900 Wp capacity is envisaged in the RFP. Further, battery bank capacity is revised to *(6 x 80AH with each 30 W luminary) 480 AH* instead of 324 AH.
5. **Location of systems and indicative capacity:** The RFP is for standardization of rates and selection of vendors; the location of installation would be informed later as per the requirements of MPUVN and/or its client organizations from time to time. The indicative capacity is based on anticipated requirements of installations in the future. Hence, actual no. of systems to be installed would vary as per requirements.
6. **Regarding experience for Offgrid Power Packs (Category E):** Bidder requested that experience in Grid Connected Solar PV systems may also be considered under Technical Eligibility criteria for Offgrid Power Packs. It is clarified after due consideration, that *experience of Grid Connected Solar PV systems will also be considered.*
7. **Payment Milestones:** Bidder requested change in payment milestones. However, it was clarified that the completion time for works under the RFP is less (1-2 days), hence, it is proposed to make 90% of the payment right after installation. Hence, no change pertaining to payment is envisaged in the RFP.
8. For Solar Water Kiosk, the following specifications are added:
 - a) *1 nos. All in one SPV LED light of 30 W with 80 W SPV panel on top of Kiosk, including 36 AH LiFePO4 battery for powering the LED during dusk to dawn automatic operation.*
 - b) *Kiosk shall have 4 nos. of good quality stainless steel taps with anti-theft arrangements.*
 - c) *Battery bank of 4.8 VAH per Watt.*
 - d) *Proper drainage System should be provided.*
 - e) *Proper cemented flooring should be provided within the kiosk.*
 - f) *The basin below the taps should be of stainless steel.*
 - g) *All standard practices (applicable, PWD SOR) should be observed in terms of workmanship, structure and electrical fittings.*

The participants are requested to submit their offers with these revised specifications.


Superintending Engineer,
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