

Notice Inviting Expression of Interest

Proposals along with suggestions on scope of work are invited for work as per following details:

1	Name of Work	Consultancy for Construction of Manufacturing and Storage Facility for 300 MW Solar PV Module Plant
2	Location of Work	BHEL –Electric & Photovoltaic Division, Opposite to IISc.-Bangalore, Bengaluru -12 , Karnataka
3	Enquiry Number	EP/WEX/02/2019-20
4	Enquiry Date	06.06.2019
5	Last Date for Submission of Proposal and Suggestions / Interest for Participation	20.06.2019 – 14:30 Hours
6	Proposal To be addressed to	Mr Navit Mahajan Sr. Engineer / WEX BHARAT HEAVY ELECTRICALS LTD (BHEL) ELECTRIC & PHOTOVOLTAIC DIVISION, Prof. C.N.R Rao Circle Opp IISC, Malleshwaram BENGALURU – 560 012 KARNATAKA navit@bhel.in , Phone- 080-2218 2216 / 9886281511 (or) Mr S.Arunachalam DGM / WEX BHARAT HEAVY ELECTRICALS LTD (BHEL) ELECTRIC & PHOTOVOLTAIC DIVISION, Prof. C.N.R Rao Circle Opp IISC, Malleshwaram BENGALURU – 560 012 KARNATAKA saruna@bhel.in , Phone- 080-2218 2344 / 99011 77447

1.0 Background:

1. BHEL-EPD, Bangalore is setting up 300 MW Solar Module Manufacturing Facility in Bangalore.
2. The total time available for completion of works in all respects, including finalization of consultant (through tendering), Finalization of Concept, Specification and Scope of Work for Execution Contractor, Execution and then Handing over is just 9 Months i.e. just 6 months for Construction.
3. The project requirement calls Multi-Storey buildings considering the present and future usability and adaptability of space with respect to Manufacturing and Storage.
4. Since the construction period is too less – Pre Engineered Building Systems with Heat / Sound Insulated Sandwich Panels or Similar Building materials are proposed to be used for faster construction.
5. Modification consumes a lot of time and in addition to this, the existing structures are very light and designed for single storey north light roof only. Also required level of dust insulation, sound insulation and protection from rain water leakage are not feasible with existing building. As this is a new construction, space utility should be given utmost importance considering the future expansions and product diversification.

6. An industrial consultant and architect, preferably having experience in setting up of Solar PV Module Manufacturing unit, is required by us to guide us and give solution on the effective utilization of available space.
7. The scope of consultant includes:
 - a. Designing the total concept.
 - b. Designing Building Annexures for Office and Utilities such as Electrical Systems, HVAC and Compressed Pipe Systems etc.
 - c. Designing the building as per latest Green Building Norms and as per norms of OHS standards
 - d. Preparation of General Arrangement 2D Drawings / 3D Views
 - e. Guiding us on choosing the right materials / construction technologies
 - f. Foundation and Super-Structure Design based on relevant IS-Code
 - g. Preparation of detailed working drawings for foundation and super-structure
 - h. Assist us in preparation of BOQs & Estimates
 - i. Site supervision and Quality checks during execution
 - j. Preparation of as-built drawings after project completion.
8. The approximate area available is at 3 different locations in the same campus separated by a maximum distance of 100m. The available areas are: 55mx60m, 100mx24m and 35mx33m. The detailed scope of work will be finalized after the pre-bid meeting. (Drawings Enclosed)

2.0 Eligibility, Prequalification & Experience-

1. Prospective consultants should have sufficient experience for design of Industrial Building. Having experience in Design of Solar PV Module Manufacturing Buildings will be preferred.
2. Bidders who submit the expression of interest by 20.06.2019 will be considered for further tendering. Bidders who fail to submit the expression of interest by 20.06.2019 are compulsorily required to visit the site and understand the scope of work otherwise their offers will not be considered for technical evaluation / price bid opening.