

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	Works Contract 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/06/2019-20
4	Enquiry Date	12.06.2019
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

I.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.



भारत हेवी इलेक्ट्रिकल्स लिमिटेड

Bharat Heavy Electricals Limited

इलेक्ट्रिक एंड फोटोवोल्टेइक डिवीज़न / Electric & Photovoltaic Division

बेंगलूरु / Bengaluru

6. Civil contractors having sufficient experience in construction of Multilevel PEB Structures, Foundation for PEB structures or both are invited to participate in the tendering process of this work.
7. The broad scope of work includes:
 - a. Demolishing existing stone walls, concrete flooring – 400 cubic metre
 - b. Dismantling and Stacking existing steel structures – about 200MT
 - c. Earth Work Excavation up to 5m depth with some areas with filled up soil etc. – 2000 cum.
 - d. Reinforced concrete works for Foundation, Pedestals, Plinth beam and floor (multilevel) – 3000 cum.
 - e. Supply and fabrication of TMT reinforcement – 300 MT.
 - f. Supplying and erecting multilevel PEB steel structure – 300 MT
 - g. Supplying and Fixing Decking sheets – 6500 sqm.
 - h. Supplying and Fixing 50mm (0.5mm -0.5mm) Sandwich type Puffed sheet – 11000 sqm.
 - i. Supply and fixing 0.5mm galvalume sheets – 4000 sqm.

The above mentioned scope of work covers only the major items. The detailed Bill of Quantities will be mentioned in the Tender Document which will be published shortly.

The above mentioned work may also be split in to two parts – I. Civil Works, II. PEB Structural Cladding Works

The detailed drawings for carrying out the work will be provided by BHEL during execution. Preliminary Drawings will be provided along with the tender documents.

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: 60mx55m, 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 contractors should have sufficient experience in Civil Works, PEB Structural Works or both.
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.