



Date: 21 s t December, 2019

Expression of Interest

For

Identifying EPC Agencies

**For Engineering and Execution of Civil Works of
Thermal Power Plant**

Issued by:
Project Engineering Management, BHEL
PPEI Building, Plot No 25, Sector – 16A, Film City
Noida, Pin - 201301

(hereinafter referred to as 'BHEL')

Registered Office at
Bharat Heavy Electricals Limited
BHEL House, Siri Fort New Delhi-110049

INDIA

DISCLAIMER

All information contained in this Expression of Interest (EOI) are in good interest and faith. The information contained in this EOI document and the information/clarification subsequently to be provided to Applicant(s), whether verbally or in documentary or in any other form, by or on behalf of BHEL would not be construed to alter the terms and conditions set out in this EOI in anyway.

The purpose of this EOI is to identify prospective EPC Agencies for Engineering, Procurement and Construction of Civil, Structural and Architectural Works of Thermal Power Plant. This EOI is not an offer by BHEL to the prospective Applicant(s) or any other person. This EOI is neither intended nor shall it be construed as creating or requiring any ongoing or continuing relationship or commitment with any party or person. This is not an offer or invitation to enter into an agreement of any kind with any party.

Though adequate care has been exercised in the preparation of this EOI document, the interested firms shall satisfy itself regarding completeness of this document in all respects. The information is not intended to be exhaustive. Interested Agencies are required to make their own enquiries and assumptions wherever required. Intimation of discrepancy, if any, should be given to the specified office immediately. If no intimation is received by this office by the date mentioned in the document, it shall be deemed that the EOI document is complete in all respects and firms submitting their interest are satisfied with the EOI Document in all respects.

The issue of this EOI does not imply that BHEL is bound to select and shortlist Applicant(s) or to enter into any agreement(s) with any Applicant(s). BHEL reserves all right to reject any application submitted in response to this EOI document at any stage without assigning any reasons thereof. BHEL also reserves the right to withhold or withdraw the process at any stage. Neither BHEL, nor its employees and associates will have any liability on any loss, expense or damage which may arise from or be incurred or suffered in connection with this EOI. BHEL accepts no liability of any nature whether resulting from negligence or otherwise howsoever caused arising from reliance/use of any statements/information contained in this EOI by the Applicant. BHEL is not making any representation or warranty, express or implied, as to the accuracy or completeness of any information/statements made in this EOI.

The Applicant shall bear all its costs associated with or relating to the preparation and submission of its Application including but not limited to preparation, copying, postage, delivery, fees, expenses associated with any demonstrations or presentations which may be required by BHEL or any other costs incurred in connection with or relating to its Application. All such costs and expenses will remain with the Applicant and BHEL shall not be liable in any manner whatsoever for the same or for any other costs or other expenses incurred by an Applicant in preparation or submission of the Application, regardless of the conduct or outcome of the EOI.

1.0 About Bharat Heavy Electricals Limited

Established in 1964, Bharat Heavy Electricals Limited (BHEL) is the largest engineering and manufacturing enterprise in India in the energy and infrastructure sector with the capability to manufacture the entire range of power plant equipment.

BHEL caters to core sectors like Power Generation, Transmission, Industry, Transportation, Renewable Energy, Oil & Gas, Water, Defence & Aerospace, and e-Mobility & Energy Storage Solutions, and has references in 83 countries across the globe. BHEL's mammoth size of operations is evident from its widespread network of 16 Manufacturing Units, 2 Repair Units, 4 Regional Offices, 8 Service Centres, 1 Subsidiary, 3 Overseas Offices, 3 active Joint Ventures, 15 Regional Marketing Centres and more than 150 project sites across India and abroad.

More details about the entire range of BHEL's products and operations can be obtained by visiting our web site www.bhel.com.

2.0 Background:

In order to enable faster execution of Civil Works for Thermal Power Plants, engagement of prospective agencies through a pre-bid tie-up mode is being explored. Through this EOI, BHEL intends to identify interested and capable agencies from India and Abroad for Engineering and Execution of Civil Works of Thermal Power Plants on Engineering, Procurement and Construction (EPC) basis.

3.0 Brief Scope of work

The brief scope of work consists of Engineering, Procurement and Construction of Civil, Structural and Architectural Works of Thermal Power Plant.

Scope of work shall generally consist of Land Development works, Roads & Drains, Power-house building (TG & Auxiliaries), Boiler & Auxiliaries Foundations, Foundation for Turbo-generator(TG), Coal Handling Plant including track hopper/ wagon tippler, Ash Handling Plant, Water/Effluent Treatment Plant, Air Cooled Condenser, Cooling Tower, Chimney, Railway Siding, Flue Gas Desulphurization System, Switchyard etc.

4.0 Intent of EOI:

The intent is to identify EPC agency capable of executing similar works mentioned in the scope of work for upcoming Thermal Power Plant projects. Typical list of packages is given in Annexure “1”.

5.0 Eligibility

Agencies who have successfully completed Engineering, Procurement and Construction of Civil, Structural and Architectural Works (independently/ consortium/joint venture etc.), for the packages mentioned under Clause 4.0 in Power Plants/ Infrastructure/Industrial projects in full or part thereof, in last 7 years from the date of the submission of the EOI.

6.0 Inputs to EPC Agency by BHEL:

BHEL will provide the following information for each specific project at pre-bid stage.

- a) Project information
- b) Scope of work
- c) Specification
- d) Tentative Electrical, Mechanical and C&I inputs, as applicable for Civil Works

7.0 General Information

- i. Through this EOI, BHEL intends to identify prospective EPC Agencies for Engineering, Procurement and Construction of Civil, Structural and Architectural Works of Thermal Power Plant.
- ii. Responses to EOI are to be submitted in English only. Supporting documents, as required, should also be in English language. In case of some documents being available in languages other than English, the Applicant shall necessarily provide duly authenticated translated version of the same in English.
- iii. Complete document in all respects shall be duly signed & stamped on each and every page by the authorized signatory of the Agency as a token of acceptance of all the terms and conditions of EOI.
- iv. Notwithstanding anything contained in this EOI, BHEL reserves the right to accept or reject any Application and to annul the EOI Process in whole or part, at any time without any liability or any obligation for such acceptance, rejection or annulment without assigning any reasons thereof.
- v. BHEL reserves the right to verify all statements, information and documents submitted by the Agency in response to the EOI. Any such verification or lack of such verification by BHEL shall not relieve the Agency of his obligations or liabilities hereunder nor will it affect any rights of BHEL.
- vi. The EOI process shall be governed by, and construed in accordance with, the laws of India and the Courts at New Delhi shall have exclusive jurisdiction over all disputes arising under, pursuant to and/ or in connection with the EOI process.
- vii. Response from the countries, organizations, groups, individuals, etc. with whom import/ export are banned/ prohibited as per the Indian Foreign Trade Policy shall not be considered.
- viii. The offers of the Agencies who are on the banned/ hold list as also the offer of the Agencies, who engage the services of the banned/ hold firms, shall be rejected. The list of banned/ hold firms is available on BHEL web site www.bhel.com.
- ix. All costs incurred for participation in the EOI shall be borne by the Agency(s).

8.0 Information to be submitted along with EOI

Interested Agencies are requested to submit their technical and financial credentials along with other relevant information in the form of documents listed below submitted through e-procurement portal of BHEL (<https://bhel.abcpurchase.com>) on or before **31.12.2019 14.00hrs.**

- i. Profile of company indicating type of business and experience in turnkey /EPC civil works.
- ii. Duly filled in EOI form as per Annexure-A format
- iii. Experience details as per Annexure B format
- iv. Details of Manpower as per Annexure C format
- v. Details of Tools & Plants (T&Ps) and Engineering Software's as per Annexure D format
- vi. Financial details as per Annexure E format

Further information/clarification can be obtained at the address below during 9.00 to 17.30 hrs. local time. Bidders can also raise queries through email.

Mr. Vinod Kumar
SDGM/ BOP
M/s. Bharat Heavy Electricals Ltd.,
Project Engineering Management,
Power Project Engineering Institute,
HRD & ESI Complex, Plot No 25,
Sector-16 A, Noida-201301, U.P., INDIA
Contact No- 0120-4368648
E-MAIL: vinod.kumar@bhel.in

The details submitted by the Agency (s) shall be complete in all respects and BHEL may seek clarifications / additional information as considered necessary.

**[Annexure-1]
Typical List of Packages**

Sl. No.	Package
1	Topographical Survey & Geotechnical Investigation
2	Land Development works including Grading
3	Roads and Drains
4	BTG area (Main Power House block including Boiler and Auxiliaries)
5	Chimney
6	Flue Gas Desulphurization system
7	Water Treatment Plant/Sewerage Treatment Plant/Effluent Treatment Plant/Condensate Polishing Unit
8	Pre Treatment Plant
9	Induced Draft Cooling Tower
10	Natural Draft Cooling Tower
11	Air Cooled Condenser
12	Switchyard including Transformer Yard
13	Railway Siding
14	Non plant Buildings (like Administrative Building, Canteen, Stores etc.)
15	Coal Handling Plant
16	Ash Handling Plant
17	Ash Pond / Earthen Raw Water Reservoir
18	Jetty including Dredging
19	River water intake system
20	Sea water intake system
21	Any other

Note: Agency can submit their interest for all packages/ combination of packages/ individual package based on their domain expertise. BHEL will decide packaging philosophy based on its requirement.

**EOI Form**
[Annexure-A]

Firm's ref. No:

Date :

Subject: Response to EOI for identifying EPC Agencies for Engineering and Execution of Civil Works of Thermal Power Plant

In response to your EOI, we are pleased to submit the details of our firm as below:

1.	Name of the firm and Website	
2	Name of the Proprietor/MD/CEO	
3	Address of firm	
4	Contact Person with Designation and Mobile No & Email	
5	Any Other information	

(Sign & Company Seal)
Authorized Signature



**[Annexure-B]
Experience Details**

Firm's ref. No:

Date :

Details of Civil Works completed or substantially completed on EPC basis in last 7 years							
Sl. No.	Name of Client and Name of work	Brief Scope and Specialty of work	Date of award	Date of Completion as per award	% Completion of work as on date	Value of work completed	Attachments* (As applicable)

(*supporting documents like Work Order, Scope of Work, Work Completion Certificate, Performance Certificate etc.)

(Sign & Company Seal)
Authorized Signature



**[Annexure-C]
Details of Manpower**

Firm's ref. No:

Date :

Manpower Statistics

Description	No. of Staffs on Company Roll	
	Engineering Staff	Execution Staff
Civil Engineering Graduates & Above		
Other Graduates		
Supervisors (Diploma Holders)		
Draftsmen		
Skilled		
Un- Skilled		
Others		

(Sign & Company Seal)
Authorized Signature

**[Annexure-D]
Details of T&Ps and Engineering Software Owned**

Firm's ref. No:

Date :

Sl.	Description	Quantity	Capacity
1	JCB		
2	Hydraulic rotary piling rigs with accessories		
3	Hydraulic rig for driven pile with all accessories		
4	Portable automatic concrete batching plant		
5	Automatic concrete batching plant with printing		
6	Transit mixer		
7	Truck mounted concrete mixer cum pump		
8	Concrete pump		
9	Air compressor		
10	Self-priming dewatering pump		
11	Submersible mono-block electric pump		
12	Dozer		
13	Excavator		
14	Grader		
15	Poclain		
16	Dumper		
17	Reinforcement bending machine		
18	Vibromax (earth compactor)		
19	Compression testing machine		
20	Truck mounted DG set		
21	Crawler crane for structural erection		
22	Gantry crane for fabrication		
23	Hydra		
24	Radial drill machine		
25	Submerged arch welding machine		
26	MIG machine		
27	Welding rectifier		
28	Ultra-sonography testing machine		
29	Any other equipment		

Engineering Software for Design and Analysis	<i>Details to be Filled-up by the Agency</i>
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(Sign & Company Seal)
Authorized Signature



**[Annexure-E]
Financial Details**

Firm's ref. No:

Date :

Description/ Details	FY 2018-19	FY 2017-18	FY 2016-17
Turn Over			
Net Worth			

Note- Agency to furnish the audited financial accounts (including auditor's report, balance sheet, profit & loss account and notes) of the last three years

(Sign & Company Seal)
Authorized Signature