



Bharat Heavy Electricals Limited
Boiler Auxiliaries Plant
Ranipet – 632406, Tamilnadu

Invitation for (Eoi) Expression of Interest

1	Name of the Organisation	BHARAT HEAVY ELECTRICALS LTD., RANIPET TAMILNADU (INDIA)
2	Type of the organisation	Engineering & Manufacturing Company
3	NIT No	52178
4	EOI Title	Expression of Interest for enlistment of vendors capable of making detailed engineering, Manufacturing with vendor own material ,Surface preparation & painting and despatch to respective BHEL sites or BAP Ranipet for the products identified.
5	Product description & delivery to	Refer EOI attachment
6	Date of Announcement	07.03.2020
7	Last date for submission	14:00 Hrs on 23.03.2020
8	Scope of work & Eligibility criteria	For details refer attachments of EOI.
9	EOI should be submitted to	Signed scope of work and Annexure F along with supporting document to be submitted to Shri . S Arulvel Deputy General Manager / Outsourcing Bharat Heavy Electricals Limited Ranipet- 632406, Tamilnadu (INDIA) Email : tenderoutsourcing@bhel.in
10	Date & Time of opening	14:30 Hrs on 23.03.2020

Note : Email otherthan tenderoutsourcing@bhel.in will not be considered



Bharat Heavy Electricals Limited

Boiler Auxiliaries Plant

Ranipet - 632 406

OUTSOURCING DEPARTMENT

Ref no: BHEL/OS/EOL/2019-20

07.03.2020

EXPRESSION OF INTEREST (Eol)

Enlistment of vendors capable of

- a) doing Detail Engineering, making of detailed fabrication drawings with BOM and despatch table*
- b) manufacture of those items with VENDORS OWN RAW_MATERIALS (OVM)*
- c) Surface preparation and painting*
- d) Despatch to respective BHEL site or BAP/Ranipet as applicable for the products / items detailed below.*

BHEL, Ranipet invites Expression of Interest (Eol) from POTENTIAL VENDORS / SUPPLIERS / FABRICATORS for

a) Doing Detail Engineering, making of detailed fabrication drawings with BOM and despatch table

b) Obtaining approval from BHEL for those Engineered drawings and documents

c) Manufacture of those items with VENDORS OWN RAW MATERIALS (OVM)

d) Surface preparation and painting

e) Despatch to respective BHEL site or BAP/Ranipet as applicable

for the products / items detailed below.

Interested parties confirming their capabilities in line with attached PQR (Annexure-F) may submit their Eol on or before

23-03-2020 by e-mail / post.

Tentative quantity is given below in MT.

please submit (a) Scope Sheet duly Signed b) Annexure - F with authorised signature along with your Expression of Interest (Eol).

Main Product	Product Description	Estimatted Weight (MT)	Delivery to
FGD	Maitree day silo Structure	300	BAP, Ranipet
FGD	Maitree Gypsum Conveyor Structure	175	BAP, Ranipet
FGD	Maitree Elevator Stucture	250	BAP, Ranipet
BoP	Maitree Overhaul vehicle Workshop	500	BAP, Ranipet
BoP	Maitree Central & Carpentry Workshop Super Stucture	750	BAP, Ranipet
FGD	Maitree FOPH Gantry Girder	40	BAP, Ranipet
BoP	Maitree FOPH_Parking Shed	20	BAP, Ranipet
BoP	Maitree Carpentry & Foundary Workshop	100	BAP, Ranipet
BoP	Maitree Parking shed	600	BAP, Ranipet
FGD	North Karanpura Pipe rack	1500	North Karanpura Site, Jharkhand
FGD	Mouda Silo Structure	300	Mouda Site, Maharashtra
FGD	Barh - I Silo Structure	300	Barh Site, Bihar
FGD	Barh - II Silo Structure	300	Barh Site, Bihar
FGD	Mouda Structure	1000	Mouda Site, Maharashtra
FGD	Barh Structure	5000	Barh Site, Bihar
		11135	MT



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- for the products / items detailed in page no-1.*

SCOPE of Work

I.	BHEL will provide:
	<i>a) General arrangement drawings & member sizing transmittals</i>
	<i>b) Material Specifications</i>
	<i>c) General details / Standard details</i>
	<i>d) All documents related to Production process such as CQP/SQP/PS/Approved Lists for all requirements</i>
II.	Vendor have :
	<i>a) to prepare detailed fabrication drawing with the inputs provided by BHEL as above.</i>
	<i>b) to provide detailing of bolted / welded connection as applicable</i>
	<i>c) to prepare and submit BOM and despatch table (shipping list)</i>
	<i>d) to provide fasteners list with quantity</i>
	<i>e) to obtain approval of all documents submitted as above from BHEL</i>
	<i>f) to take responsibility for the correctness of manufacturing documents</i>
	<i>g) to consider the shop welded design to the best possible extent, keeping the dimensions of L x B x H as 12mtr x 2.5 mtr x 2.5 mtr</i>
	<i>h) to procure materials, manufacture the jobs as per approved QCP, drawings, surface preparation and painting as per PS, delivery to respective site/BHEL, Ranipet as applicable</i>
	<i>i) to make 100% trial assembly of all jobs to ensure site matching</i>
	<i>j) to ensure that all site joints are of BOLTED connections only</i>
	<i>k) to submit performance BG for a value of 2.5% of the PO value valid for a period of 18 months + 3 month (Claim period) from supply of last consignment of the job order/PO quantity.</i>

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OUTSOURCING DEPARTMENT**EXPRESSION OF INTEREST (Eoi)***Enlistment of vendors capable of**a) doing Detail Engineering, making of detailed fabrication drawings with BOM and despatch table**b) manufacture of those items with VENDORS OWN RAW_MATERIALS (OVM)**c) Surface preparation and painting**d) Despatch to respective BHEL site or BAP/Ranipet as applicable**for the products / items detailed in page no-1.***Annexure-F- Eligibility Criteria and General Information****PART-1**

SI No	Description	Status	Document Proof
1	Firms should have experience of having successfully executed fabrication including DETAIL ENGINEERING* of steel structures, manufacture and supply to Power plants as per the applicable codes and standards within the last 5 years calculating from the date of Eoi submission. The design should be of Bolted Structure Type with shop welding and site bolting.	Yes / No	If yes, Please attach Supporting Document. *If detail Engineering is outsourced, please submit PO given by you to the vendor does the Engineering
2	Experience shall be in any of the power plant structures which includes Built-up columns, Roof girders, Floor beams & bracings, Wall Beams, Cladding etc. of Power House Structures, Coal Handling & Ash Handling structures including conveyor Galleries, Crusher House structures, Transfer points, silos and silo structures, Bunker & Bunker building structures, Cable trays & Pipe Racks, FGD structures including Steel Absorber, Duct & duct supporting structures, Tanks etc.	Yes / No	Please attach Supporting Document.
3	Vendor shall furnish at least one job order executed/under execution in line with requirement of the offered job.	Yes / No	Please attach Supporting Document. (BHEL PO preferred)

PART-2

SI No	Manufacturing Facilities Available with Firm and other General Information (Details to be filled by the Vendor)	BHEL Vendor Reference code (if available)
General Information about Firm		
1	Name of Firm	
2	Place	
3	Office Room with facilities like Computer, Printer, Internet access etc..	
4	E-Mail Id	
5	Contact No.	
6	Bank Account Number and Name of the Bank	
7	Proprietor/Partnership/Limited company	
8	Name of Proprietor/Partners/Director with Age and Contact Number	

9	Educational & Technical qualifications of Proprietor/partners	
10	Educational & Technical qualifications of Supervisors	
11	Number of in house Quality Inspectors, Manpower details with Educational Details	
12	Availability of qualified NDT personnel	
13	ISO 9001 certification :	
14	GST Registration Number.:	
	General Mandatory Facilities Required	
15	Electrical power availability (EB) in KW - Minimum 50 KW required. Attach EB Service card copy	
16	Indicate Land area - Minimum 0.99 Acre Main in single location - own/Lease - Document (title deed with encumbrance certificate) to be furnished (If lease, lease should be minimum for a period of 3 years on the date of Tender opening)	
17	Availability of approach road	
18	Availability of Fencing/Compund wall all around the land	
19	Covered Area for working (concrete/ Asbestos/ Metallic Sheet) in Sq.ft - Minimum shed size shall be Area 2400 sq.ft.	
20	Compliance of Statutory requirements such as Insurance,ESI and PF facility for employees, Safety requirements, Non usage of Child Labour, License from Government Agency (Inspector of Factories) etc..	Yes / No
	Mandatory Fabrication Facilities required	
21	Welding Gen / Rect /transformer 400 A(Make)/ CO2 weld equipment : Minimum 3 Sets.	
22	Manual Gas Cutting Set with blow pipe: Minimum 2 Sets	
23	Pug Cutting machine with Accessories : Minimum 2 Sets	
24	Electrode Baking Oven upto 300 degree c ; Minimum 1 No.	
25	Thermal Flask : Minimum 3 No's.	
26	Pedestal grinder : Minimum 1 No.	
27	Angular grinding machines : Minimum 2 No's	
28	Mechanical / Hydraulic press: Minimum 1 No.	
29	Portable Drilling Machine (Min 25mm): Minimum 1 No.	
30	Painting Facility - Compressor with Gun: Minimum 1 Set.	
31	Crane to handle 10 MT Job either self owned or on hire basis. Vendor has to give self declaration / confirmation	
32	MPI Test Unit owned or hired: Minimum 1 Set.	

33	Availability of Paint Coating Thickness Measuring Guage: Minimum 1 No.	
34	Availability of power saw	
35	Measuring Instruments : Measuring Tape 3 mtr., 15 mtr., 30mtr., Vernier Caliper each 1 No. and Try Square 2 No's.	
36	Auto Welding(SAW) machine with necessary fixtures and Railings: Minimum 1 Set.	
37	Warpage Removal Facility for Heavy Built Up Columns	
Declaration of other General Facilities available with Firm (Optional)		
38	Availability of alternate power source (Diesel /inverter) Indicate the capacity	
39	Concrete platform inside covered area in Sq.ft	
40	Availability of level bed (Flatness 1mm)	
41	Availability of straight edge	
42	Heat Treating Furnace with capacity	
43	Blast cleaning facility with all measuring instruments and mandatory legal documents	
44	Monthly manufacturing capacity on average w.r.t items given in Part-1 Sl.No.2	
I/We certify that the details furnished above is true and correct		
Signature of the Vendor with Firm Seal		