

002

NOTICE INVITING TENDER

Bharat Heavy Electricals Limited



TENDER SPECIFICATION

SI No	Tender Specification Number	Unit No.
1	HY/PE&SD/E&C/ TNPL//MECH-ELECT-INFRA/001	Unit # 1

E&C WORKS FOR MECHANICAL, PIPING, ELECTRICAL, C&I, MATERIAL HANDLING INCLUDING SITE STORAGE FACILITY AND SITE OFFICE FOR 1X30 MW STG & AUXILIARIES FOR TNPL, KAGITHAPURAM, TRICHY

TECHNICAL BID - VOLUME- I

CONSISTING OF:

- Notice Inviting Tender,
- Volume-IA,: Technical Conditions of Contract
- Volume-IB : Special conditions of Contract,
- Volume-IC : General conditions of Contract
- Volume-ID : Forms & Procedures



Bharat Heavy Electricals Limited
(A Government of India Undertaking)
PE&SD – R.C.Puram,
Hyderabad - 502032

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Tender Specification Issue Details

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E&C WORKS FOR MECHANICAL, PIPING, ELECTRICAL, C&I, MATERIAL HANDLING INCLUDING SITE STORAGE FACILITY AND SITE OFFICE FOR 1X30 MW STG & AUXILIARIES FOR TNPL, KAGITHAPURAM, TRICHY

EARNEST MONEY DEPOSIT: Refer Notice Inviting Tender

LAST DATE FOR TENDER SUBMISSION. Refer Notice Inviting Tender

THESE TENDER SPECIFICATION DOCUMENTS CONTAINING VOLUME-I AND VOLUME- II ARE ISSUED TO:

M/s.

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PLEASE NOTE:
THESE TENDER SPECS DOCUMENTS ARE NOT TRANSFERABLE.

For Bharat Heavy Electricals Limited

Sr. Manager/ Purchase
PE & SD, BHEL
R.C. Puram, Hyderabad- 32
Ph. 040-23182113/23182367
Fax: 040-23020138

NOTICE INVITING TENDER (NIT)

NOTE: Bidder may download from web sites

or

Purchase Tenders From This Office also

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To

Dear Sir/Madam

Sub : NOTICE INVITING TENDER

Sealed offers in two part bid system are invited from reputed & experienced bidders (meeting [PRE QUALIFICATION CRITERIA](#) as mentioned in Annexure-I) on behalf of BHARAT HEAVY ELECTRICALS LIMITED as per the tender document. Following points relevant to the tender may please be noted and complied with.

1.0 Salient Features of NIT

SL NO	ISSUE	DESCRIPTION	
i	TENDER NUMBER	HY/PE&SD/E&C/ TNPL//MECH-ELECT-INFRA/001	
ii	Brief Scope of job	<i>E&C works for Mechanical, Piping, Electrical, C&I, Material handling including site storage facility and site office for 1x30 MW STG & Auxiliaries for TNPL, Kagithapuram, Trichy</i>	
iii	DETAILS OF TENDER DOCUMENT		Applicable/Not Applicable
a	Volume-IA	<i>Vol. IA: Technical Conditions of Contract (TCC) consisting of Scope of work, Technical Specification, Drawings, Procedures, Bill of Quantities, Terms of payment, etc</i>	Applicable
b	Volume-IB	<i>Special Conditions of Contract (SCC)</i>	Applicable
c	Volume-IC	<i>General Conditions of Contract (GCC)</i>	Applicable
d	Volume-ID	<i>Forms and Procedures</i>	Applicable
e	Volume-II	<i>i. Price Schedule (Absolute value)</i>	Applicable
iv	Issue of Tender Documents	<p>1. Sale from BHEL PESD, HYD office at : Start : 09/08/2014 Closes: 29/08/2014, Time :15.00 Hrs</p> <p>2. From BHEL website (www.bhel.com & www.eprocure.gov.in) Tender documents can however be downloaded from website till due date of submission</p>	Applicable
v	DUE DATE & TIME OF OFFER SUBMISSION	Date : 30/08 / 2014, Time :11.00Hrs Place : VENDOR COMPLEX AT BHEL OFFICE,R.C.PURAM HYDERABAD	Applicable

vi	OPENING OF TENDER	Date : 30/08 /2014 , Time :14.00Hrs Place : VENDOR COMPLEX AT BHEL OFFICE,R.C.PURAM HYDERABAD Notes: (1) In case the due date of opening of tender becomes a non-working day, tenders shall be opened on next working day at the same time. (2) Bidder may depute representative to witness the opening of tender with due authorization letters	Applicable
Vii	Time of completion	Nine (09) Months(06 months for Erection & Commissioning+3 month for PG Test, Handing Over and Site Demobilization) from the date of commencement as certified by BHEL site Engineer	
viii	EMD AMOUNT	Rs1,50,000/- (Rupees One Lac Fifty Thousand Only)	Applicable
ix	COST OF TENDER DOCUMENT	Rs2000/- (Rupees Two Thousand only)	Applicable
X	LAST DATE FOR SEEKING CLARIFICATION	Date:25/08/2014 (At least 5 days before the due date of offer submission) Along with soft version also, addressing to the undersigned as per contact address given below Mohan K. Ambati, Sr. Manager, Purchase Section/PE&SD, BHEL, R.C. Puram, Hyderabad – 502032 Ph.: 040-23182113,23183214,23182367 E-mail: mohanka@bhelhyd.co.in,aravind@bhelhyd.co.in ,kumarmanoj@bhelhyd.co.in	Applicable
Xi	SCHEDULE OF Pre Bid Discussion (PBD)	Date : 22/08/2014 Time: 10:00 Hrs. Venue: BHEL-PE&SD office, R.C. Puram, Hyderabad	Applicable.
xii	INTEGRITY PACT & DETAILS OF INDEPENDENT EXTERNAL MONITOR (IEM)	Applicable if offer value is Rs 10 Cr [excluding taxes and duties] or more,	Not Applicable
xiii	Latest updates	Latest updates on the important dates, Amendments, Correspondences, Corrigenda, Clarifications, Changes, Errata, Modifications, Revisions, etc to Tender Specifications will be hosted in BHEL webpage only (www.bhel.com -->Tender Notifications →View Corrigendums) and not in the newspapers. Bidders to keep themselves updated with all such information	

	<p>that deviation recorded elsewhere shall not be entertained.</p> <p>b. BHEL reserves the right to accept/reject the deviations without assigning any reasons, and BHEL decision is final and binding.</p> <p>i). In case of acceptance of the deviations, appropriate loading shall be done by BHEL</p> <p>ii). In case of unacceptable deviations, BHEL reserves the right to reject the tender</p>	
iii.	<p>Supporting documents/ annexure/ schedules/ drawing etc as required in line with Pre-Qualification criteria.</p> <p>It shall be specifically noted that all documents as per above shall be indexed properly and credential certificates issued by clients shall distinctly bear the name of organization, contact ph no, FAX no, etc.</p>	
iv.	All Amendments/Correspondences/Corrigenda/Clarifications/Changes/ Errata etc pertinent to this NIT.	
v.	Integrity Pact Agreement (Duly signed by the authorized signatory)	If applicable
vi.	Duly filled-in annexures, formats etc as required under this Tender Specification/NIT	
vii.	Notice inviting Tender (NIT)	
viii.	<u>Vol. IA:</u> <i>Technical Conditions of Contract (TCC) consisting of Scope of work, Technical Specification, Drawings, Procedures, Bill of Quantities, Terms of payment, etc.</i>	
ix.	Volume – I B : Special Conditions of Contract (SCC)	
x.	Volume – I C : General Conditions of Contract (GCC)	
xi.	Volume – I D : Forms & Procedures	
xii.	<u>Volume – II</u> (UNPRICED – without disclosing rates/price, but mentioning only 'QUOTED' or 'UNQUOTED' against each item	
xiii.	Any other details preferred by bidder with proper indexing.	

	PART-I B	
	<p>ENVELOPE – II superscribed as: PART-I (EMD &/or COST of TENDER) TENDER NO : _____ Date: _____ NAME OF WORK : _____ PROJECT: _____ DUE DATE OF SUBMISSION: _____ CONTAINING THE FOLLOWING:-</p>	
i.	<p>1. Earnest Money Deposit (EMD) in the form as indicated in this Tender</p> <p style="text-align: center;">OR</p> <p>Documentary evidence for 'One Time EMD' with the PESD of BHEL ,Agency floating the Tender</p> <p>2. Cost of Tender (Demand Draft or copy of Cash Receipt as the case may be)</p>	

PART-II	
	PRICE BID consisting of the following shall be enclosed
	ENVELOPE-III superscribed as: PART-II A-Block-1(PRICE BID) TENDER NO : _____ Date: _____ NAME OF WORK : _____ PROJECT: _____ DUE DATE OF SUBMISSION: _____ CONTAINING THE FOLLOWING
i	Covering letter/Offer forwarding letter of Tenderer enclosed in Part-I
ii	Volume II – PRICE BID (Duly Filled in Schedule of Rates – rate/price to be entered in words as well as figures)

OUTER COVER	
	ENVELOPE-V (MAIN ENVELOPE / OUTER ENVELOPE) superscribed as: TECHNO-COMMERCIAL BID, PRICE BID & EMD TENDER NO: _____ Date: _____ NAME OF WORK: _____ PROJECT: _____ DUE DATE OF SUBMISSION: _____ CONTAINING THE FOLLOWING:
i	<ul style="list-style-type: none"> ○ Envelopes I ○ Envelopes II ○ Envelopes III ○ Envelopes IV

SPECIAL NOTE: All documents/ annexures submitted with the offer shall be properly annexed and placed in respective places of the offer as per enclosure list mentioned in the covering letter. BHEL shall not be responsible for any missing documents.

- 7.0 No Deviation with respect to tender clauses and no additional clauses/ suggestions/ in Techno-commercial bid/ Price bid shall be considered by BHEL. Bidders are requested to positively comply with the same.
- 8.0 BHEL reserves the right to accept or reject any or all Offers without assigning any reasons thereof. BHEL also reserves the right to cancel the Tender wholly or partly without assigning any reason thereof. Also BHEL shall not entertain any correspondence from bidders in this matter (except for the refund of EMD).
- 9.0 **Assessment of Capacity of Bidders:**
NOT APPLICABLE
- 10.0 Since the job shall be executed at site, bidders must visit site/ work area and study the job content, facilities available, availability of materials, prevailing site conditions including law & order situation, applicable wage structure, wage rules, etc before quoting for this tender.

They may also consult this office before submitting their offers, for any clarifications regarding scope of work, facilities available at sites or on terms and conditions.

- 11.0 For any clarification on the tender document, the bidder may seek the same in writing or through e-mail, as per specified format, within the scheduled date for seeking clarification, from the office of the undersigned. BHEL shall not be responsible for receipt of queries after due date of seeking clarification due to postal delay or any other delays. Any clarification / query received after last date for seeking clarification may not be normally entertained by BHEL and no time extension will be given.
- 12.0 BHEL may decide holding of pre-bid discussion [PBD] with all intending bidders as per date indicated in the NIT. The bidder shall ensure participation for the same at the appointed time, date and place as may be decided by BHEL. Bidders shall plan their visit accordingly. The outcome of pre-bid discussion (PBD) shall also form part of tender.
- 13.0 In the event of any conflict between requirement of any clause of this specification/ documents/drawings/data sheets etc or requirements of different codes/standards specified, the same to be brought to the knowledge of BHEL in writing for clarification before due date of seeking clarification (whichever is applicable), otherwise, interpretation by BHEL shall prevail. Any typing error/missing pages/ other clerical errors in the tender documents, noticed must be pointed out before pre-bid meeting/submission of offer, else BHEL's interpretation shall prevail.
- 14.0 Unless specifically mentioned otherwise, bidder's quoted price shall deemed to be in compliance with tender including PBD.
- 15.0 Bidders shall submit Integrity Pact Agreement (Duly signed by authorized signatory who signs in the offer), if applicable, along with techno-commercial bid. This pact shall be considered as a preliminary qualification for further participation. The names and other details of Independent External Monitor (IEM) for the subject tender is as given at point (1) above.
- 16.0 The Bidder has to satisfy the Pre Qualifying Requirements stipulated for this Tender in order to be qualified. The Price Bids of only those bidders will be opened who will be qualified for the subject job on the basis of satisfying the Pre Qualification Criteria specified in this NIT as per Annexure-I (as applicable), past performance etc. and date of opening of price bids shall be intimated to only such bidders. BHEL reserves the right not to consider offers of parties under HOLD.
- 17.0 In case BHEL decides on a 'Public Opening', the date & time of opening of the sealed PRICE BID shall be intimated to the qualified bidders and in such a case, bidder may depute one authorised representative to witness the price bid opening. BHEL reserves the right to open 'in-camera' the 'PRICE BID' of any or all Unsuccessful/Disqualified bidders under intimation to the respective bidders.
- 18.0 Validity of the offer shall be for six months from the latest due date of offer submission (including extension, if any) unless specified otherwise.
- 19.0 Price Bids of shortlisted bidders shall only be opened either through the conventional price bid opening or through electronic Reverse Auction, at the discretion of BHEL. BHEL reserves the right to decide the successful bidder on the basis of Reverse Auction process. In such case all qualified bidders will be intimated regarding procedure/ modality for Reverse

- Auction process prior to Reverse Auction and price will be decided as per the rules for Reverse Auction.
- However, if reverse auction process is unsuccessful as defined in the RA rules/procedures, or for whatsoever reason, then the sealed 'PRICE BIDS' will be opened for deciding the successful bidder. BHEL's decision in this regard will be final and binding on bidder.
- 20.0 On submission of offer, further consideration will be subject to compliance to tender & qualifying requirement and customer's acceptance, as applicable.
- 21.0 In case the bidder is an "Indian Agent of Foreign Principals", 'Agency agreement has to be submitted along with Bid, detailing the role of the agent along with the terms of payment for agency commission in INR, along with supporting documents.
- 22.0 The bidders shall not enter into any undisclosed M.O.U. or any understanding amongst themselves with respect to tender.
- 23.0 Consortium Bidding (or Technical Tie up) is not permitted.
- 24.0 The bidder shall submit documents in support of possession of 'Qualifying Requirements' duly self-certified and stamped by the authorized signatory, indexed and properly linked in the format for PQR. In case BHEL requires any other documents/proofs, these shall be submitted immediately.
- 25.0 The bidder may have to produce original document for verification if so decided by BHEL.
- 26.0 The offers of the bidders who are on the banned list as also the offer of the bidders, who engage the services of the banned firms, shall be rejected. The list of banned firms is available on BHEL web site www.bhel.com.
- 27.0 Order of Precedence
In the event of any ambiguity or conflict between the Tender Documents, the order of precedence shall be in the order given below:
- a. Amendments/Clarifications/Corrigenda/Errata etc. issued in respect of the tender documents by BHEL
 - b. Notice Inviting Tender (NIT)
 - c. Price Bid – Vol. II
 - d. Technical Conditions of Contract (TCC)—Volume-1A
 - e. Special Conditions of Contract (SCC) —Volume-1B
 - f. General Conditions of Contract (GCC) —Volume-1C
 - g. Forms and Procedures —Volume-1D

for Bharat Heavy Electricals Ltd

Sr. Manager/ Purchase

PE & SD, BHEL

R.C. Puram, Hyderabad- 32

Ph. **040-23182113,23183214,23182367**

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Enclosure

01. Annexure-1: Pre Qualifying criteria
02. Annexure-2: Check List
03. Annexure – 3- Other tender documents as per this NIT

PRE QUALIFYING CRITERIA

JOB	E&C works for Mechanical, Piping, Electrical, C&I, Material handling including site storage facility and site office for 1x30 MW STG & Auxiliaries for TNPL, Kagithapuram, Trichy
TENDER NO	HY/PE&SD/E&C/ TNPL//MECH-ELECT-INFRA/001

BIDDER SHALL SUBMIT BELOW PRE-QUALIFICATION CRITERIA FORMAT, DULY FILLED-IN, SPECIFYING RESPECTIVE ANNEXURE NUMBER AGAINST EACH CRITERIA AND FURNISH RELEVANT DOCUMENT IN THE RESPECTIVE ANNEXURES IN THEIR OFFER.

SL NO	PRE QUALIFICATION CRITERIA	Bidders claim in respect of fulfilling the PQR Criteria	
		Name and Description of qualifying criteria	Page no of supporting document
A	Submission of Integrity Pact duly signed, if offer value is Rs 10 Cr [excluding taxes and duties] or more, if applicable (Note: To be submitted by Prime Bidder & Consortium/Technical Tie up partner jointly in case Consortium bidding is permitted, otherwise by the sole bidder)		Not Applicable
B	Technical The bidder should meet one of the criteria of B1 or B2 or B3 or B4 The bidder should have 'Executed" B1 One STG/GTG job of any rating Or B2 One 'BOILER' (with rotating machinery) of one unit of above 30 MW or higher Or B3 One R&M job of steam turbines of capacity of 50 MW or higher Or B4 At least three nos. of capital overhauling works of STGs against BHEL's direct orders. The rating of individual STG be at least 190MW.		
C	<u>Financial Criteria</u> Turnover: Bidders must have achieved an average annual financial turnover (Audited) of Rs 43.0 Lacs or more over last three completed Financial Years (FY) i.e. 2010-2011, 2011-2012, 2012-2013		
1			
2	Network Net worth of the Bidder based on the latest Audited Accounts as furnished for 'C1' above should be positive		

3	Cash Profit: Bidder must have earned cash profit in any one of the three Financial Years as applicable in the last three years defined in 'C1 above based on latest Audited Accounts.		
D	Assessment of capacity of Bidder to execute the work: Documentary evidence of similar projects executed by the Bidder, including certification and present contact details of client representative as indicated in the Cl.1.6 of GCC shall be submitted.		Not Applicable
E	Approval of Customer Note: Names of bidders who stand qualified after compliance of criteria A to D shall be forwarded to customer for their approval. Price bid of only those bidders shall be opened who are approved by customer.		Not Applicable
F	Price Bid opening <u>Note:</u> Price Bids of only those bidders shall be opened who stand qualified after compliance of criteria A to E		By BHEL
G	Consortium criteria (if applicable)		Not Applicable
<p>Explanatory Notes for the PQR (unless otherwise specified in the PQR):</p> <ol style="list-style-type: none"> 1. Bidder to submit Audited Balance Sheet and Profit and Loss Account for the respective years as indicated against C-1 above along with all annexures. They should also submit latest Income Tax return & cash flow statement for FY mentioned in criteria C1. If these documents are available for FY 2013-14, the same can also be submitted. 2. Audited financial statement have to be submitted for all the three years as indicated against C-1 above. 3. The bidder can be a company under Companies Act, 1956 or Partnership firm or Proprietor firm and is in continued existence for more than three years from the date of technical bid opening. 4. C-2:-NETWORTH : Shall be calculated based on the latest Audited Accounts as furnished for C-1 above. Net worth = Paid up share capital* + Reserves. (*Share Capital OR Partnership Capital OR Proprietor Capital as the case may be) 5. C-3:- CASH PROFIT : shall be NET profit (PAT + Non cash expenditure viz depreciation) earned during any one of the three financial years as in C-1 above 6. Time period for achievement of the 'Technical' criteria of PQR (as in 'B' above) will be the last 7 years ending on the 'latest date' of Bid submission 7. 'EXECUTED' means the Vendor should have achieved the criteria specified in the Technical criteria of PQR (as in 'B' above) even if the Contract has not been completed or closed 8. Unless otherwise specified, for the purpose of 'Technical' criteria of PQR (as in 'B' above), the word 'EXECUTED' means: <ol style="list-style-type: none"> i. "BOILER LIGHT UP" in respect of Boiler & Aux and ESP ii. "SYNCHRONISATION" in respect of STG/GTG and 'SPINNING' in case of HTG iii. "STEAM BLOWING COMPLETION" in respect of at least Main Steam Line of Power Cycle Piping iv. "HYDRAULIC TEST" of the system in respect of Structures, Pressure parts/IBR Piping v. "CHARGING" in respect of power Transformers, Bus ducts, HT/LT switchgears 			

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|--|---|
| | <ol style="list-style-type: none">9. Boiler means HRSG or WHRB or any other types of Steam Generator10. Critical/Power Cycle piping means Main Steam, Hot Reheat, Cold Reheat, HP Bypass, LP Bypass lines11. For the purpose of evaluation of the PQR, one MW shall be considered equivalent to 3.5TPH where ever rating of HRSG/BOILER is mentioned in MW. Similarly, where ever rating of Gas Turbine is mentioned in terms of Frame size, ISO rating in terms of MW shall be considered for evaluation.12. In case the experience/PO/WO certificate enclosed by bidders do not have separate break up prices for the E&C portion of Electrical and CI Works, (i.e. the certificates enclosed are for composite order for supply and erection of Electrical & CI and other works if any), then value of Erection and Commissioning for the Electrical & CI portion shall be considered as 15% of the supply & erection of Electrical & CI, unless otherwise specifically indicated in the PQR.13. Scope for capital overhaul of STG shall cover Bearing Inspection work and overhauling of all cylinders of the Turbine unless otherwise specifically indicated in the PQR. |
|--|---|

CHECK LIST**NOTE: - Tenderers are required to fill in the following details and no column should be left blank**

1	Name and Address of the Tenderer		
2	Details about type of the Firm/Company		
3	Details of Contact person for this Tender	Name : Mr/Ms Designation: Telephone No: Mobile No: Fax No:	
4	EMD DETAILS	DD No: Date : Bank : Amount: <u>Please tick (✓) whichever applicable:-</u> ONE TIME EMD / ONLY FOR THIS TENDER	
		APPLICABILITY	BIDDER REPLY
5	Whether the format for compliance with PRE QUALIFICATION CRITERIA (ANNEXURE-IA & IB) is understood and filled with proper supporting documents referenced in the specified format	Applicable	YES / NO
6	Whether Audited profit and Loss Account for the last three years submitted alongwith latest ITCC & Cash Flow statement	Applicable	YES/NO
7	Whether Copy of PAN Card submitted	Applicable	YES/NO
8	Whether all pages of the Tender documents including annexures, appendices etc are read understood and signed	Applicable	YES/NO
9	Integrity Pact	If Applicable	YES/NO
10	Declaration by Authorised Signatory	Applicable	YES/NO
11	Whether No Deviation Certificate submitted	Applicable	YES/NO
12	Whether Declaration confirming knowledge about Site Conditions submitted	Applicable	YES/NO
13	Whether Declaration for relation in BHEL submitted	Applicable	YES/NO
14	Whether Non Disclosure Certificate submitted	Applicable	YES/NO
15	Whether Bank Account Details for E-Payment submitted	Applicable	YES/NO
16	Capacity Evaluation of Bidder for current Tender	Not Applicable	Not Applicable
17	Tie Ups/Consortium Agreement are submitted as per format	Not Applicable	Not Applicable
18	Whether Power of Attorney for Submission of Tender/Signing Contract Agreement submitted	Applicable	YES/NO
19	Whether Analysis of Unit rates submitted	Applicable	YES/NO
20	Whether Acceptance to RA submitted	Applicable	YES/NO

NOTE: STRIKE OFF 'YES' OR 'NO', AS APPLICABLE

DATE:

AUTHORISED SIGNATORY
(With Name, Designation and Company seal)