

TENDER SPECIFICATION

BHEL: PSSR: SCT: 1466

FOR

Pre-bid tie up on back to back basis for Civil,
Structural & Balance of Plant for 1x 700 MW
Combined Cycle Power Plant of Andhra
Pradesh Power Development Company
Limited

at

Nedunoor, Karimnagar Dist, AP

TECHNOCOMMERCIAL BID-

VOLUME-A -NIT



BHARAT HEAVY ELECTRICALS LIMITED

(A Government of India Undertaking)

Power Sector – Southern Region

690, Anna Salai, Nandanam, Chennai – 600 035.

BHARAT HEAVY ELECTRICALS LIMITED
(A Government of India Undertaking)
Power Sector, Southern Region
690, Anna Salai, Nandanam, Chennai – 35

Tender Specification No. BHEL: PSSR: SCT: 1466

For

Pre-bid tie up on back to back basis for Civil, Structural & Balance of Plant for 1x700 MW Combined Cycle Power Plant of Andhra Pradesh Power Development Company Limited (APPDCL) at Nedunoor, Karimnagar Dist, AP

One set of Tender documents consisting of **Volume - A to Volume- L** (details as below)

BOOK SLNO _____
Issued to
M/s

Refer NIT for Last date of submission

Please note this tender document is not transferable

For and on behalf of
BHARAT HEAVY ELECTRICALS LIMITED

ADDL GENERAL MANAGER / CONTRACTS

Place: Chennai -35

Date:

Tender Specification BHEL PSSR SCT 1466 comprise of Volume-A to Volume -L as below:

Sl no of Volumes	Description	No. of pages (including drawings)	Remarks
BHEL Vol -A	NIT		
BHEL Vol -B	Project information, schedules, QA, Other requirements		
	Scope TP, Exclusions		
	Proposed scope split of Electrical between BHEL & EPC contractor		
	Scope split BHEL & EPC contractor dt 29-06-2011		
	Scope of lifting equipments		
BHEL Vol -C	SCC- BHEL		
BHEL Vol -D	Consolidated GCC- BHEL-PEM		
	APPDCL Volume -1,SECTION A1 TO A4		
BHEL Vol -E	Geo tech investigations		
	Tech requirements for General Civil works		
	Additional civil drgs		
BHEL Vol -F	Scope of Cooling tower		
BHEL Vol -G	Tech requirements for General Electrical works		
BHEL Vol -H	Technical spec for Mechanical packages- Bought out packages		
BHEL Vol -I	NOT APPLICABLE		
BHEL Vol -J	Amendments & clarifications		
BHEL Vol -K	Schedules		
BHEL Vol -L	Price schedule		



NOTICE INVITING TENDER

VOLUME -A

Bharat Heavy Electricals Limited



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) for the subject job by the undersigned on the 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	BHEL PSSR SCT 1466
ii	Broad Scope of job	Pre-bid tie up on back to back basis for Civil, Structural & Balance of Plant for 1x700 MW Combined Cycle Power Plant of Andhra Pradesh Power Development Company Limited (APPDCL) at Nedunoor, Karimnagar Dist, AP
iii	REFER ABOVE FOR DETAILS OF TENDER DOCUMENTS APPLICABLE TO THIS TENDER	
iv	Issue of Tender Documents	<p>1. <u>Sale from BHEL PSSR Regional office at :Chennai</u> Start : 16/07/2011 Closes: 04/08/2011 , Time :15.00 Hrs</p> <p>2. From BHEL website (www.bhel.com) Tender documents can however be downloaded from website till due date of submission</p>
		<i>Applicable</i>

v	DUE DATE & TIME OF OFFER SUBMISSION	Date : 05/08/2011 , Time :15.00Hrs Place : <u>BHEL PSSR :Chennai</u> Tenders can be submitted through representative/in person at SCT Dept, BHEL PSSR, Chennai	Applicable
vi	OPENING OF TENDER	Date : 05/08/2011, Time :15.30Hrs 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	Applicable
vii	BID SECURITY AMOUNT	Rs 12,00,00,000/- (Rupees Twelve crores Only). Refer SCC for mode of Payment.	Applicable
viii	COST OF TENDER	Rs 1,00,000/-.(One Lakh)	Applicable
ix	LAST DATE FOR SEEKING CLARIFICATION	Two days before the scheduled date of prebid meeting and clarifications will not be entertained after the pre bid meeting .No extension of time will be given on account of clarifications sought after the pre bid meeting. Along with soft version also, addressing to undersigned & to others as per contact address given below	Applicable
x	SCHEDULE OF Pre Bid Discussion (PBD)	Date: 28/07/2011.10.00hrs at <u>BHEL PSSR :Chennai</u>	Applicable.
xi	INTEGRITY PACT & DETAILS OF INDEPENDENT EXTERNAL MONITOR (IEM)	Bidders shall enter into an Integrity Pact (IP) with BHEL as per format given at GCC of this tender. The bidders are required to return this Integrity Pact (IP) along with Techno Commercial Bid duly signed and stamped by the authorized signatory who signs the bid. It may be noted that only those bidders who have entered into such an IP with BHEL would be competent to participate against this tender .i.e. entering into this pact is a preliminary qualifications for the bidders. The Independent External Monitor against this NIT shall be Shri Kanwarjit Singh, IRS (Rtd.) D-6/12, Ground Floor, Vasant Vihar, New Delhi - 110 057 Error! Hyperlink reference not valid.	Applicable FORMAT ENCLOSED AS ANNEXURE XI IN Consolidated GCC of BHEL-PEM (BHEL VOL-D)

xii	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 (www.bhel.com -->Tender Notifications →View Corrigendums) and not in the newspapers . Bidders to keep themselves updated with all such information	
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2.0 The offer shall be submitted as per the instructions of tender document and as detailed in this NIT. Bidders to note specifically that all pages of tender document, including these NIT pages of this particular tender together with subsequent correspondences shall be submitted by them, duly signed & stamped on each page, as part of offer. **Rates/Price including discounts/rebates, if any, mentioned anywhere/in any form in the techno-commercial offer other than the Price Bid, shall not be entertained.**

3.0 Unless specifically stated otherwise, bidder shall remit cost of tender and courier charges if applicable, in the form of Demand Draft drawn in favour of Bharat Heavy Electricals Ltd, payable at Power Sector Regional HQ at Chennai issuing the Tender, along with techno-commercial offer. Bidder may also choose to deposit the Tender document cost by cash at the Cash Office as stated above against sl no iv of 1, on any working day; and in such case copy of Cash receipt is to be enclosed with the Techno Commercial offer. Sale of tender Documents shall not take place on National Holidays, holidays declared by Central or State Governments and BHEL PS HQ at Chennai, Sundays and second/ last Saturdays

4.0 Unless specifically stated otherwise, bidder shall submit Bid Security as per SCC

5.0 **Procedure for Submission of Tenders:** The Tenderers must submit their Tenders to Officer inviting Tender (Owner), as per the procedure specified in BHEL Volume-D- APPDCL Volume-I, section A2. (Envelopes-1,2,3&4 shall be prepared as per the -APPDCL Volume-I, section A2). Each sealed envelope shall be superscribed with the Tender No, description, due date & time of opening and addressed to AGM/Contracts BHEL/PSSR/690,Annasalai/Nandanam/Chennai- 600035.**(All pages to be signed and stamped)**

SPECIAL NOTE: All documents/ annexures submitted along 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.

- 6.0 No Deviation with respect to tender clauses and no additional clauses/ suggestions/ in Techno-commercial bid/ Price bid shall normally be considered by BHEL. Bidders are requested to positively comply with the same. Duly filled in 'No Deviation Certificate" as per prescribed format in SCC to be submitted along with the Technical Bid.
- 7.0 UNPRICED PRICE BID to be submitted along with the Technical Bid, Without disclosing rates/price, but mentioning only "Quoted" or "UNQUOTED" against each item.
- 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 Bid Security).
- 9.0 For any clarification on the tender document, the bidder may seek the same in writing or through e-mail, 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 on this account.
- 10.0 BHEL may decide holding 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.
- 11.0 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.
- 12.0 Unless specifically mentioned otherwise, bidder's quoted price shall deemed to be in compliance with tender including PBD.
- 13.0 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 (xi) of 1 above.**

- 14.0 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 pre-qualification evaluation/ techno-commercial bids, etc.
- 15.0 Validity of the offer shall be as specified in SCC of tender.
- 16.0 On submission of offer, further consideration will be subject to compliance to tender & qualifying requirement.
- 17.0 The bidders shall not enter into any undisclosed M.O.U. or any understanding amongst themselves with respect to tender.
- 18.0 In case Consortium Bidding is allowed as per Pre Qualifying Requirement, then Prime Bidder and Consortium Partner shall enter into Consortium Agreement in the prescribed format –Annexure to SCC-4 in BHEL VOL C.
- 19.0 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.
- 20.0 The bidder may have to produce original document for verification if so decided by BHEL.
- 21.0 The successful bidder shall sign MOU with BHEL in the prescribed format in SCC.
- 22.0 Order of Precedence
In the event of any ambiguity or conflict between the Tender Documents, the order of precedence shall be in the order below:
- a. **Amendments/Clarifications/Corrigenda/Errata etc issued in respect of the tender documents by BHEL after date of start of sale of tender**
 - b. **Notice Inviting Tender (NIT)**
 - c. **Price Bid**
 - d. **Technical Conditions of Contract in BHEL Volume-B,E,F,G,H,J,K**
 - e. **Special Conditions of Contract (SCC) in BHEL Volume-B**
 - f. **General Conditions of Contract (GCC) in BHEL Volume-D**

For BHARAT HEAVY ELECTRICALS LTD

AGM/SCT

Enclosure

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

PRE QUALIFYING CRITERIA

JOB	Pre-bid tie up on back to back basis for Civil, Structural & Balance of Plant for 1x700 MW Combined Cycle Power Plant of Andhra Pradesh Power Development Company Limited (APPDCL) at Nedunoor, Karimnagar Dist, AP
TENDER No:	BHEL PSSR SCT 1466

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 applicable)	APPLICABLE	
B	void		
C	TECHNICAL QUALIFICATION CRITERIA:- Refer Annexure-3		
D1	Financial <u>TURNOVER</u> Refer Annexure-3		
D2	NETWORTH Refer Annexure-3		
D3	PROFIT Refer Annexure-3		
D4	void		
E	Void		
F	Consortium criteria (if applicable)	APPLICABLE	
	Explanatory Notes for QR 1. The word 'executed' means the bidder should have achieved the criteria specified in the QR even if the total contract has not been completed or closed 2. Bidder to submit Audited Balance Sheet and Profit and Loss Account for the respective years as given above along with all annexures.		

BIDDER SHALL SUBMIT ABOVE 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 INCLUDING THE AUDITED BALANCE SHEET WITH PROFIT AND LOSS ACCOUNT DETAILS FOR THE THREE YEARS PERIOD SPECIFIED ABOVE.

14	Whether Power of Attorney for Submission of Tender/Signing Contract Agreement submitted	Applicable	YES/NO
15	Unquoted Price bid submitted or not	Applicable	YES/NO

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

DATE:

AUTHORISED SIGNATORY
(With Name, Designation and Company seal)

ANNEXURE TO NIT-3

QUALIFICATION CRITERIA:-

Sub: PQR for 1 x 700 MW CCCP at Nedunoor, Karimnagar Dist for Andhra Pradesh Power Development Company Ltd

In the last 7 years preceding the latest date of bid submission, the bidder should meet following criteria for projects executed in India

I) Technical Criteria

- A. Design, Engineering, Supply and Execution of Civil and Structural works covering the requirements of two plants of minimum 250 MW (ISO capacity) in a combined cycle power plant or two units of thermal power plant of minimum 190 MW each, out of which one plant / unit should be in successful operation in Combined Cycle mode in CC Plant / in STG mode in thermal plant, for a period of at least one year as on 1st August, 2011 or the latest date of bid submission, whichever is later.

AND

- B. Balance of Plant (BOP- Electrical & Mechanical) packages on EPC basis and have engineered, supplied, erected, tested and commissioned BOP packages including related civil works for at least one (1) coal based unit having a capacity of minimum 400 MW or above which is in successful operation for a period of atleast one (1) year as on 1st August, 2011 or the latest date of bid submission, whichever is later.

The sourcing of all equipment / systems as specifically mentioned above should be only from the reputed subvendors / subcontractors who have supplied at least two (2) similar or larger size equipment / systems as stipulated in the specification Each of such equipment /system should be in successful commercial operation for a period not less than one (1) year as on date of bid submission. Sub-vendor / Sub-contractor list shall be subject to BHEL & Owner's (APPDCL) approval.

AND

- C. Bidder should have on his own carried out engineering for Civil and Structural and system Engineering for BOP (Mechanical, Electrical, C&I, Layout, Piping, etc) requirements of at least one (1) combined cycle power plant of minimum 250 MW (ISO) capacity, or two units in thermal power plant of minimum 190 MW, which is in successful operation for a period of at least one (1) year as on the date of bid submission. In case the Bidder on his own has not carried out engineering as per the requirement stipulated above, he shall associate with an

Organisation who has engineered at least one (1) combined cycle power plant of minimum 250 MW (ISO) capacity, or two units of thermal power plant of minimum 190 MW, of which one is in successful operation for a period of at least one (1) year as on the date of bid submission. In such an event, the bidder shall, along with his bid, furnish an undertaking jointly executed by him and his associate as per format enclosed in which the Bidder and his associate are jointly and severally liable to the Employer for successful performance of the Engineering Services included in the scope of the associate. The deed of joint undertaking shall be submitted along with the bid, failing which the Bidder shall be disqualified and his bid shall be rejected. In case of award, the associate will be required to furnish on demand bank guarantee for 0.1% (zero point one percent) of the total contract price, in addition to the contract performance security to be furnished by the Bidder.

- D. Bidders who satisfy the conditions stipulated in either A or B above, can have consortium arrangement for the scope for which they do not meet the stipulated conditions. However, this is subject to the Bidder submitting the Consortium Agreement similar to one detailed in C above and the Consortium partner meeting the stipulated conditions described for his scope of works in A or B above.
 - E. The Prime Bidder can be the one who satisfies either A or B or both A and B subject to satisfying C. The prime bidder as well as the Consortium Partner shall not participate as a Direct bidder with customer in the subject tender.
- II) Financial status of the bidder shall also be one of the criteria for qualification which shall be as under:
 - a) For the Prime Bidder, the average annual turnover in the last three years shall be 450 Crs and the net worth shall be positive and the bidder should have earned profit in any one of the last three financial years ending 31.03.2010
 - b) For the Consortium Partner, the average annual turnover in the last three years shall be 225 Crs and the net worth shall be positive and the bidder should have earned profit in any one of the last three financial years ending 31.03.2010
 - III) Notwithstanding the above BHEL reserves the right to reject any or all the bids without assigning any reason

Note: The associate for engineering in "C" above will not come under the category of prime / consortium bidder