

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

VOLUME-L

PRICE BID



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** (detailed as below)

BOOK SLNO _____

Issued to

M/s

Refer NIT for Last date of submission

Please note this tender document is not transferable

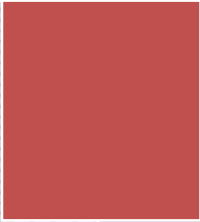
For and on behalf of
BHARAT HEAVY ELECTRICALS LIMITED

ADDL GENERAL MANAGER / CONTRACTS

Place: Chennai -35

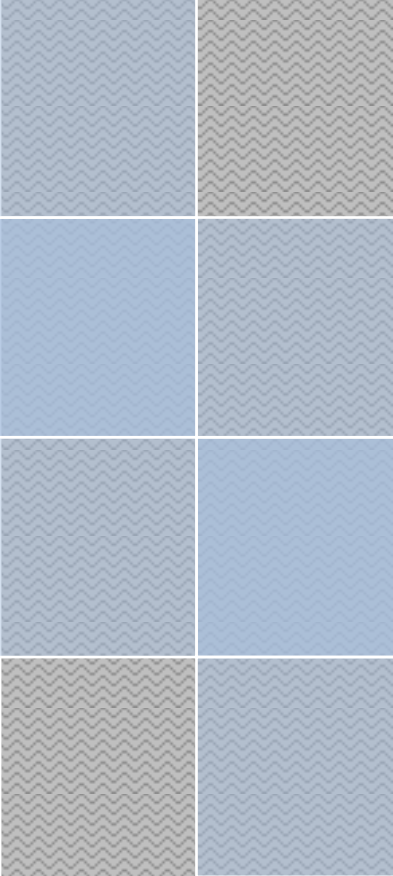
Tender Specification BHEL PSSR SCT 1466 comprise of Volume-A to Volume -L as below:

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		



PRICE BID

VOLUME -L



Bharat Heavy Electricals Limited



TENDER SPECIFICATION BHEL PSSR SCT 1466 PREBID TIEUP ON BACK TO BACK BASIS FOR CIVIL STRUCTURAL & BOP FOR 1X700MW CCP FOR APPDCL AT NEDUNOOR,KARIMNAGAR DIST,AP

RATE SCHEDULE FOR L1 EVALUATION		PRICE IN INR	
SLNO		In figures	In words
A	Supply of Plant and Equipment including Structural Steel and Mandatory spares		
B	All services including erection, commissioning, civil works, transportation, insurance, project management, etc., as per tender		
	TOTAL LUMPSUM PRICE (A+B)		

Note:-

- 1 . The above prices shall include all taxes, duties, levies and cess like Sales Tax, VAT, WCT, excise duty, service tax, BOCW Cess etc.,
- 2 . The price bid will be evaluated as per the Bid Evaluation procedure detailed in section C 10 of APPDCL (BHEL Vol B)- enclosed for ready reference.
3. Breakup detail enclosed in this price bid also to be submitted by the bidder.

SIGNATUR OF THE BIDDER

TENDER SPECIFICATION BHEL PSSR SCT 1466 PREBID TIEUP ON BACK TO BACK BASIS FOR CIVIL STRUCTURAL & BOP FOR 1X700MW CCP FOR APPDCL AT NEDUNOOR,KARIMNAGAR DIST,AP

SL NO	DETAILS	PRICE (RS.)
SUPPLY - MAIN EQUIPMENT		
1.0	EX WORKS PRICE	
1.1	EXCISE DUTY	
1.2	CST / VAT	
1.3	OTHER TAXES & DUTY (IF ANY)	
	TOTAL	
SUPPLY - MANDATORY AND RECOMMENDED SPARES		
1.0	EX WORKS PRICE	
1.1	EXCISE DUTY	
1.2	CST / VAT	
1.3	OTHER TAXES & DUTY (IF ANY)	
	TOTAL	
SERVICES - ERECTION		
1.0	ERECTION AND COMMISSIONING	
1.1	MCE INSURANCE	
1.2	SERVICE TAX	
1.3	OTHER TAXES & DUTY (IF ANY)	
	TOTAL	
SERVICES - CIVIL		
1.0	CIVIL WORKS	
1.1	SERVICE TAX ON CIVIL WORKS	
1.2	VAT/WCT	
1.3	OTHER TAXES & DUTIES LIKE BOCW ETC.,	
	TOTAL	
SERVICES - TRANSPORTATION		
	INLAND TRANSPORTATION (INCLUDING GTA)	
SERVICES - OTHERS		
1.0	DESIGN & ENGINEERING	
1.1	CONDUCTANCE OF PG TESTS	
1.2	PROJECT MANAGEMENT	
1.3	TRAINING OF O&M PERSONNEL	
1.4	ANY OTHER SERVICE	
1.5	SERVICE TAX ON SERVICES-OTHERS	
1.6	OTHER TAXES & DUTY ON SERVICES - OTHERS (IF ANY)	
	TOTAL	

SIGNATURE OF BIDDER

	ANDHRA PRADESH POWER DEVELOPMENT COMPANY LTD.	SECTION: C10
	TITLE 1 X700 MW CCPP AT NEDUNOOR, KARIMNAGAR DIST.	SHEET 1 OF 6
	BID EVALUATION	SPEC. NO. TCE.5960 A-H-500-001
10.0	BID EVALUATION	
	The Bids of 700MW would be evaluated in three stages as set out in Clause 19 of Section A 2, Volume – I and as described below :	
10.1	General	
10.1.1	During bid evaluation, the Owner may request for clarification and the response shall be in writing and no change in substance of Bid shall be sought, offered or permitted. Owner may also convene a pre bid meeting for all the bidders.	
10.1.2	The Owner will examine the Bids to determine whether they are complete, whether any computational errors have been made, whether required sureties have been furnished, whether the documents have been properly signed, and whether the bids are generally in order.	
10.1.3	The Owner may waive any minor informality, non-conformity or irregularity in a Bid that does not constitute a material deviation, whether or not identified by the Bidder in Schedule of Technical Deviations, Section – F4 and Schedule of Commercial Deviations, Section – F5 of Volume-II to his Bid, and does not prejudice or affect the relative ranking of any Bidder, as a result of the technical and commercial evaluation.	
10.1.4	Prior to detailed evaluation, the Owner will determine each Bid is of acceptable quality, is generally complete and is substantially responsive to the bidding documents. For purposes of this determination, a substantially responsive bid is one that conforms to all the terms, conditions and specifications of the bidding documents without material deviations, objections, conditionalities or reservations. A material deviation, objection, conditionality or reservation is one (a) that affects in the scope, quality or performance of the contract; (b) that limits in any substantial way, inconsistent with the bidding documents, the Owner's rights or the successful Bidder's obligations under the Contract; or (c) whose rectification would unfairly affect the competitive position of other Bidders who are presenting substantially responsive bids.	
10.1.5	The Owner's determination of a Bid's responsiveness is to be based on the contents of the Bid itself without recourse to extrinsic evidence. If a Bid is not substantially responsive, it will be rejected by the Owner, and may not subsequently be made responsive by the Bidder by correction of the non-conformity.	
10.1.6	Owner reserves the right to reject or accept any Bid without being responsible to the Bidder in any manner whatsoever.	
		ISSUE R0

	ANDHRA PRADESH POWER DEVELOPMENT COMPANY LTD.	SECTION: C10
	TITLE 1 X700 MW CCPP AT NEDUNOOR, KARIMNAGAR DIST.	SHEET 2 OF 6
	BID EVALUATION	SPEC. NO. TCE.5960 A-H-500-001
<p>10.2</p> <p>10.2.1</p> <p>10.2.2</p> <p>10.2.3</p> <p>10.3</p> <p>10.3.1</p> <p>10.3.2</p> <p>10.3.3</p>	<p>Bidder's Qualification</p> <p>Bidder's qualification, experience and other details as called for in Schedule of Qualifications Section – F1 would be evaluated. Incomplete schedules / data furnished by the Bidder will not be evaluated.</p> <p>Technical bids of only the qualified Bidders will be opened.</p> <p>The Bidder shall quote for all the equipment and services as called for. The Owner reserves the right to place the order for all or part of the equipment and services.</p> <p>Technical Evaluation</p> <p>The Owner will carry out a detailed evaluation of the Bids previously determined to be substantially responsive in order to determine whether the technical aspects are in accordance with the requirements set forth in the bidding documents. In order to reach such a determination, the Owner will examine and compare the technical aspects of the Bids on the basis of the information supplied by the Bidders, taking into account the following factors :</p> <p>(a) Overall completeness and compliance with the Technical Specifications and drawings; deviations from the Technical Specifications as identified in Section – F4 to the Bid; suitability of the facilities offered in relation to the environmental and climatic conditions prevailing at the site; and quality, function and operation of any process control concept included in the Bid. The Bid that does not meet minimum acceptable standards of completeness, consistency and detail will be rejected for non-responsiveness.</p> <p>(b) Any other relevant factors, if any, listed in the Sections – F4 or F5 or other Sections of bid, or that the Owner deems necessary or prudent to take into consideration.</p> <p>Cost compensation will be worked out for any variation – declared or undeclared deviation acceptable to Owner, from specified scope and / or technical variation from enquiry specification of the Owner, as can be evaluated and assessed in the interest of the Owner. In determining the rupee or US dollar value of the deviations, the Owner will use parameters consistent with those specified in the specifications and available to the Owner or worst parameters considered by any other Bidder.</p> <p>In the event of any contradiction in Bid, Owner reserves the right to cost compensate for evaluation based on worst parameters that can be interpreted for non-compliance to specifications. In the event Bidder has not explicitly furnished any of the technical data, scope, scheme or details required for unambiguous assessment, the Owner may cost compensate based on worst possibility or worst parameters considered by any other Bidder for evaluation of Bid.</p>	<p style="text-align: right;">ISSUE R0</p>

	ANDHRA PRADESH POWER DEVELOPMENT COMPANY LTD.	SECTION: C10
	TITLE	SHEET 3 OF 6
	1 X700 MW CCPP AT NEDUNOOR, KARIMNAGAR DIST.	SPEC. NO. TCE.5960 A-H-500-001
BID EVALUATION		

10.4 **Performance Evaluation**

10.4.4 **Auxiliary Power Consumption**

- a) The lowest auxiliary power consumption guaranteed by any Bidder would also form the basis. The differential auxiliary power consumption will be evaluated at **Rs. 240,000 for every kW or part thereof.**

10.5 **Commercial Evaluation**

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R0

ANDHRA PRADESH POWER DEVELOPMENT COMPANY LTD.

SECTION: C10

TITLE

1 X700 MW CCPP AT NEDUNOOR, KARIMNAGAR DIST.

SHEET 5 OF 6

BID EVALUATION

SPEC. NO.
TCE.5960 A-H-500-001

SUMMARY TABLE EVALUATION PROCEDURE

S.NO	PARTICULARS	BIDDER A	BIDDER B	BIDDER C
2	QUOTED PRICE	QP a	QP b	QP c
4	GUARANTEED AUXILIARY POWER INCL ALL TOLERANCES, in KW	AUX a	AUX b	AUX c

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TITLE

1 X700 MW CCPP AT NEDUNOOR, KARIMNAGAR DIST.

SHEET 6 OF 6

BID EVALUATION

SPEC. NO.
TCE.5960 A-H-500-001

SUMMARY TABLE EVALUATION PROCEDURE

SL.NO	PARTICULARS	BIDDER A	BIDDER B	BIDDER C
6	<u>EVALUATION FOR AUXILIARY POWER</u> , in Lakhs SELECT THE LOWEST AS BASE AND COMPUTE THE DIFFERENTIAL (e.g. Bidder B is lowest)	(AUX a - AUX b) X Evaluation factor for Aux Power	BASE	(AUX c - AUX b) X Evaluation factor for Aux Power
7	OTHER TECHNICAL LOADINGS DUE TO ACCEPTED DEVIATIONS, IF ANY	TD a	TD b	TD c
8	OTHER COMMERCIAL LOADINGS DUE TO ACCEPTED DEVIATIONS, IF ANY	CD a	CD b	CD c
9	FINAL EVALUATED SPECIFIC PRICE	(QP a + DIFFERENTIAL LOADING IN ITEM 5+ DIFFERENTIAL LOADING IN ITEM 6 + TDa + CD a)	(QP b + DIFFERENTIAL LOADING IN ITEM 5+ DIFFERENTIAL LOADING IN ITEM 6 + TDb + CD b)	(QP c + DIFFERENTIAL LOADING IN ITEM 5+ DIFFERENTIAL LOADING IN ITEM 6 + TDc + CD c)

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