

TENDER SPECIFICATION

BHEL:PSSR:SCT: 1403

FOR

Handling at site stores / storage yard, Transportation to site of work, Erection, Testing and Commissioning of 1 x 85 TPH Naphtha fired Heat Recovery Steam Generators and its Auxiliaries, Piping including supply and application of Insulation and supply & application of Final painting for **Unit 4** of 1 x 20 MW set

at

**Chennai Petroleum Corporation Ltd
Unit 4 – Co Generation Plant
Manali, Chennai**

PART – I TECHNICAL BID

BOOK NO :



BHARAT HEAVY ELECTRICALS LIMITED

(A Government of India Undertaking)

Power Sector – Southern Region

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

INDEX – SCT 1403 – CPCL – HRSG		
SNo	DESCRIPTION	PAGE
1	Covering Letter	
2	Special Instructions to Bidders	
3	Procedure for Submission of Sealed Bids	
4	Tender Notice	
5	Certificate for No Deviation	
6	Offer of the Contractor	
7	Project Information	
8	Section – III – Common Conditions of Contract	
9	Section- VI – Scope of Work and Special Conditions	
10	Section –VII – Appendix	
11	Appendix –I Weights & Dimensions schedule	
12	Appendix – II – Weight Schedule	
13	Appendix –III –T & P Schedule	
14	Appendix –IV- Insulation Schedule	
15	Appendix- V – Painting Schedule	
15	Appendix-VI – Declaration Sheet	
16	Appendix –VII – Certificate of Declaration for confirming knowledge on the site conditions	
17	Appendix-VIII – Check list	
18	Appendix-IX - E Remittance Format	
19	Appendix-X -Reverse Auction Procedure	
20	Appendix – XI - Price Bid – separate book	
21	General Conditions of Contract –separate book	

**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: 1403

Messrs

Date :

Dear Sir,

Sub: Handling at site stores / Storage yard, Transportation to Site of work, Erection, Testing and Commissioning of 1 x 85 TPH Naphtha Fired Heat recovery Steam Generators and its Auxiliaries ,Piping including Supply and Application of Insulation and supply & Application of Final Painting for unit 4 of 1 x 20 MW capacity for Co generation Plant at Chennai Petroleum Corporation Ltd., Manali , Chennai

Please find enclosed one set of non-transferable tender documents containing _____ pages of Tender Specification Booklet for the above work.

You are requested to go through the tender documents and offer your most competitive rate and submit the tender documents duly filled in as per procedure indicated in the tender specification along with requisite EMD of **Rs. _____/- (Rupees _____ only)** in the form of Demand Draft drawn in favour of M/s. Bharat Heavy Electrical Limited Chennai - 35.

Bids with Deviations from the tender conditions will be rejected.

A SEPARATE LETTER SHALL BE FURNISHED INDICATING THAT THERE ARE NO DEVIATIONS FROM THE TENDER CONDITIONS (As in Page)

The completed quotations shall reach the office of the under signed on or before _____ **at 15.00 Hrs.** The Technical bids, will be opened on the same day at **15.30 hrs.** We shall separately intimate the date for opening the price bids only to those parties who are technically qualified. You are requested to depute your authorized representative at the time of opening.

ANY REVISION OF RATES / PRICES WHATSOEVER AFTER THE TIME AND DATE MENTIONED IN TENDER SPECIFICATION FOR SUBMISSION OF COMPLETED QUOTATIONS SHALL NOT BE ENTERTAINED UNLESS CALLED FOR SPECIFICALLY BY BHEL.

Kindly acknowledge the receipt of the tender documents and confirm your participation.

Kindly note that BHEL reserves the right to reject any or all tenders without assigning any reason.

Thanking you,

Yours faithfully,
For and on behalf of
BHARAT HEAVY ELECTRICALS LIMITED

Additional General Manager / Contracts

This Tender document is not transferable.

Place : Chennai -35.

Date :

SPECIAL INSTRUCTIONS TO BIDDERS

The Bidder must submit their bids as requested in a sealed cover prominently super scribing the Tender Specification number, due date and time of submission as mentioned in the **TENDER NOTICE**.

The following information shall be furnished by the Bidder along with their offer (Technical Bid cover)

1. Details of previous experience during the last seven years indicating contract value, duration, completion period and present engagement as per G.C.C.
2. Organization structure of the Company as per GCC.
3. Financial status of the firm enclosing balance sheet and profit and loss account for the past 3 years and certificate from the Company's Banker as per G.C.C.
4. Turnover of the Company in last 3 financial years pertaining to this scope of work only.
5. Latest Income Tax clearance certificate.
6. Bio Data of key personnel presently in the Rolls of the company and proposed site organization for carrying out the work including deployment of Engineers and Supervisors.
7. Declaration sheets as per Appendix of Tender Specification.
8. Checklist and Schedule of General particulars as per Appendix in GCC.
9. T & P owned/deployment details as per G.C.C.
10. Technical Technical manpower deployment details as per G.C.C
11. Other relevant details as per GCC and checklist.
12. **THE BIDDERS ARE REQUESTED TO FURNISH THE DOCUMENTS LIKE COPIES OF LOI'S, WORK ORDER'S ETC PERTAINING TO THE EXPERIENCE INDICATED IN QUALIFYING REQUIREMENTS, AS GIVEN BELOW.**

13. QUALIFICATION REQUIREMENT

- a) The Bidder should possess experience of having executed erection of atleast one unit of 25 TPH HRSG / Boiler in utility or CPP or Co Generation plant in the last seven years .
- b) The bidders should have a minimum average financial turn over of Rs. _____**Lakhs** per year in the preceding three financial years ending 31st March 2009.

The Bidder must have earned profit in any one of the last three financial years ending 31.03.2009 and should have positive net worth as on 31.03.2009.

Bidder should submit audited balance sheet and profit & loss account of the company along with all annexures for last three years ending 31.03.2009 in support of above requirement.

- c) Notwithstanding the above, BHEL reserves the right to reject any Tender or all the Tenders for reasons whatsoever beyond our control and the decision of BHEL is final.
- d) Approval of the agency by Customer
- e) BHEL reserves the right to adopt the process of REVERSE AUCTION (on line bidding) among the bidders who are found to be qualified on the Technical bid. No extension of time on the account will be entertained for bid submission.

LD / Penalty shall be leviable as per the applicable clauses of GCC.

14. TENDERES HAVE TO FURNISH A DECLARATION SHEET INDICATING THAT THERE IS NO DEVIATION FROM THE TENDER DOCUMENTS (AS IN PAGE). TENDERERS MAY FURTHER NOTE THAT THIS DECLARATION IS A PREREQUISITE FOR BHEL TO CONSIDER THEIR BIDS. BIDS SUBMITTED WITHOUT "**NO DEVIATION DECLARATION**" WILL BE REJECTED BY BHEL.

15. SAFETY PLAN

Bidder may further note that the submission of safety plan is a prerequisite for BHEL to consider their bids.

BHARAT HEAVY ELECTRICALS LIMITED
(A Government of India undertaking)
Power Sector : Southern Region
690, Anna Salai, Nandanam, Chennai – 600 035.

PROCEDURE FOR SUBMISSION OF SEALED BIDS

The Tenderers must submit their bids as required in two parts in separate sealed covers prominently superscribed as Part I "**Technical Bid**" and Part II "**Price Bid**" and also indicating on each of the covers the tender specification number and due date and time as mentioned in the Tender Notice.

Part I (Technical Bid) Cover I

Excepting Rate Schedule, all other schedules, data sheets and details called for in the specification shall be enclosed, in part I Technical Bid only.

Part II (Price Bid) Cover II

All indications of price shall be given in this part II Price Bid.

Tenderers are requested to quote their rates, only in the price bid (part II) provided by BHEL. Quoting of rates in any other form / formats will not be entertained.

These two separate cover I & II (Part I and Part II) shall together be enclosed in a third envelope (Cover III) along with requisite EMD as indicated and this sealed cover shall be superscribed and submitted to Additional General Manager/Contracts at the above mentioned address before the due date as indicated. The Tenderers will be intimated separately in case any clarifications are required.

NOTE: Tenderers are issued with 2 Nos. of Technical Bids, 2 Nos. of Price Bids and 2 Nos. of GCC booklets. Out of which one set of each document shall be retained by them for their reference. Balance one set shall be submitted along with their offer as per procedure indicated above.

EMD amount for this Tender is Rs. _____/- (Rupees _____ only). This EMD amount shall be submitted in the form demand draft only drawn in favour of M/s. Bharat Heavy Electricals Limited, Chennai – 35.

EMD amount in the form of Bank Guarantee / fixed deposit receipt or in any other form will not be accepted.

ANY REVISION OF RATES / PRICES WHAT SO EVER AFTER THE TIME AND DATE MENTIONED IN TENDER SPECIFICATION FOR SUBMISSION OF COMPLETED QUOTATIONS SHALL NOT BE ENTERTAINED UNLESS CALLED FOR SPECIFICALLY BY BHEL.

Additional General Manager/Contracts.



Bharat Heavy Electricals Limited

(A Govt. of India Undertaking)

Power Sector – Southern Region

EVR Periyar Building

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

TENDER NOTICE

Sealed Tenders are invited from reputed contractors with sufficient previous experience in the under mentioned similar nature of work:

Tender Specification No. BHEL:PSSR:SCT: 1403

Description	EMD
Handling at site stores / Storage yard, Transportation to Site of work, Erection, Testing and Commissioning of 1 x 85 TPH Naphtha Fired Heat recovery Steam Generators and its Auxiliaries ,Piping including Supply and Application of Insulation and supply & Application of Final Painting for unit 4 of 1 x 20 MW capacity for Co generation Plant at Chennai Petroleum Corporation Ltd., Manali , Chennai.	_____/= (Rupees _____ only)

Cost of Tender Documents : Rs.1040 /-
(Including all Taxes)

Sale Starts on : XX.XX.2010

Sale closes on : XX.XX.2010

Due date and Time for Submission : XX.XX.2010 15.00 Hrs.

Date and time for opening Of Technical Bids : XX.XX.2010 15.30 Hrs

QUALIFICATION REQUIREMENT

- a) The Bidder should possess experience of having executed erection of atleast one unit of 25 TPH HRSG / Boiler in utility or CPP or Co Generation plant in the last seven years.
- b) The bidders should have a minimum average financial turn over of Rs. ___ **Lakhs** per year in the preceding three financial years ending 31st March 2009.

The Bidder must have earned profit in any one of the last three financial years ending 31.03.2009 and should have positive net worth as on 31.03.2009.

Bidder should submit audited balance sheet and profit & loss account of the company along with all annexures for last three years ending 31.03.2009 in support of above requirement.

- c) Notwithstanding the above, BHEL reserves the right to reject any Tender or all the Tenders for reasons whatsoever beyond our control and the decision of BHEL is final.
- d) Approval of the agency by Customer
- e) BHEL reserves the right to adopt the process of REVERSE AUCTION (on line bidding) among the bidders who are found to be qualified on the Technical bid. No extension of time on the account will be entertained for bid submission. LD / Penalty shall be leviable as per the applicable clauses of GCC.

Interested parties can get the Tender documents from the office of the Additional General Manager / Contracts on all working days by remitting the cost of tender documents either by Cash or A/c Payee Demand Draft drawn in favour of M/s. Bharat Heavy Electricals Limited, Chennai – 600 035. Money order, Cheques and Postal Orders will not be accepted.

The Bharat Heavy Electricals Limited takes no responsibility for any delay, loss or non-receipt of tender documents sent by post and also reserves the right to reject any or all the tender without assigning any reason therefor. **TENDER NOT ACCOMPANIED BY THE PRESCRIBED EARNEST MONEY DEPOSIT ARE LIABLE TO BE SUMMARILY REJECTED.**

ADDITIONAL GENERAL MANAGER/CONTRACTS

TENDER SPECIFICATION : BHEL:PSSR;SCT:1403

CERTIFICATE FOR NO DEVIATION

*I, _____ of
M/s _____*

*hereby certify that there is no deviation from the Tender conditions either
technical or commercial and I am agreeing to all the terms and conditions
mentioned in the Tender Specification.*

SIGNATURE OF THE TENDERER

OFFER OF CONTRACTOR

Additional General Manager/ Contracts
Bharat Heavy Electricals Limited,
Power Sector : Southern Region
690, Anna Salai,
Nandanam,
Chennai – 600 035.

Sir,

I/We hereby offer to carry out the work detailed in Tender Specification No. **BHEL:PSSR:SCT:1403** issued by Bharat Heavy Electricals Limited, Power Sector : Southern Region, in accordance with the terms and conditions thereof.

I/We have carefully perused the following documents connected with the above work and agree to abide by the same.

1. Instructions to Tenderer
2. General Conditions of Contract
3. Special conditions of Contract
4. Other Section, Appendices and Schedules

I/We have deposited/forwarded herewith the Earnest Money Deposit/a sum of Rs._____/ - (Rupees _____only) vide DD.No. _____ Dt. _____ which shall be refunded should our offer not be accepted. Should our offer be accepted, I/We further agree to deposit such additional sum which along with the sum of Rs._____/-(Rupees _____only) mentioned above, to make up the Security Deposit for the work as provided for in the Tender Specification within the stipulated time as may be indicated by BHEL, Power Sector : Southern Region, Chennai – 600 035.

I/We further agree to execute all the works referred to in the said documents upon the terms and conditions obtained or referred to therein and as detailed in the appendices annexed thereto.

DATE:

CONTRACTOR:

PLACE:

ADDRESS:

Witness with their address

Signature

Name

Address

PROJECT INFORMATION

01	OWNER	CHENNAI PETROLEUM CORPORATION LTD
02	PROJECT TITLE	1X 20 MW GTG PROJECT- Unit # 4
03	LOCATION	MANALI, CHENNAI. LATITUDE 13 deg 04'N LONGITUDE 80 deg 15'E
04	POWER STATION SITE	ELEVATION ABOVE MEAN SEA LEVEL (MSL) : 3.5 MTS
05	NEAREST RAILWAY STATION	CHENNAI CENTRAL (15 KMS)
06	NEAREST CITY	CHENNAI
07	NEAREST AIR PORT	MEENAMBAKKAM AIR PORT (35 KMS)
08	NEAREST SEA PORT	CHENNAI (25 KMS)
09	ROAD APPROACH	AVAILABLE

10	DRY BULB TEMPERATURE	35 deg C
11	RELATIVE HUMIDITY	70%
12	ALTITUDE	3.5 M ABOVE MSL
13	AMBIENT RANGE	
14	MEAN AMBIENT TEMPERATURE	18 deg C
15	NORMAL/AVERAGE TEMP	35 deg C
16	MAXIMUM TEMPERATURE	45 deg C
17	RAIN FALL DATA	
18	RAIN FALL FOR 1 HOUR PERIOD	100 mm

19	RAIN FALL FOR 24 HOUR PERIOD	254 mm
20	DESIGN WIND SPEED	50m/s AS PER IS: 875 (PART3) FACTOR K1: 1.08 FACTOR K2: FOR TERRAIN CATEGORY 2 FACTOR K3: 1.0