

BHARAT HEAVY ELECTRICALS LIMITED
RAMACHANDRAPURAM::HYDERABAD-502032
TC OPEARTIONS DIVISION
TELEPHONE NO. 23185281 & 23183401

NOTICE INVITING TENDER

TENDER NOTICE NO. HY/DGM/OT-004/2013-14 DT: 16-04-2013

Sealed tenders in two separate covers for technical bid and price bid, both enclosed in one sealed cover mentioning the tender notice number, name of the work and due date of tender opening are invited by the DGM/ Services-TCGT from the reputed contractors/firms, experienced in similar works as mentioned in Pre-qualification criteria.

1. Name of work : Steam turbine piping works in 01 shop.
2. Total Estimated Value : ₹. 347.61 Lakhs.
3. Earnest Money Deposit : ₹. 2.00 Lakhs.
4. Period of contract : One year from date of awardal.
5. Maintenance period : NIL
6. Last date of receipt of tenders : 07.05.2013 upto 11.00 hrs.
7. Date and time of opening of tenders : 07.05.2013 13.30 hrs.
8. Place of tender opening : Vendor complex, behind Admin building, BHEL.
9. Cost of tender documents : ₹. 1000/-
Including S.T.

Name & Address:

Signature of Tenderer

Issuing Officer

TECHNICAL CUM COMMERCIAL BID

Tender notice No. : HY/DGM/OT-04/2013-14 DT: 16-04-2013

1. Name of work : Steam turbine piping works in 01 shop.

S.No.	Description	Data and Page No. to be filled by Bidder/Contractor
1	Name of contractor/Bidder Address Contact person Vendor code Phone/Mobile No. E-mail ID <u>Agency shall provide e-mail id for communication. BHEL will communicate through e-mail for required data/intimation of dates.</u>	: : : : : :
2	Details of EMD (DD or Cash receipt No.) (If vendor has produced one time EMD, copy should be renewed or attested by issuing officer otherwise bid will be liable for rejection)	Amount : Rs C.R/DD No : C.R/DD date : Bank : Branch : Valid up to date:
3	Details of tender document cost (DD or Cash receipt No.) (DD/Bankers Cheques/C.Rs has to be enclosed along with Technical bid).	Amount : Rs C.R/DD No : C.R/DD date : Bank : Branch :
4	Particulars of Experience/Credentials As per pre-qualification requirements. (Work completion certificates to be enclosed) (If vendor has submitted Pvt. Company experience, the following details should be submitted along with technical bid: 1. Awardal Copy 2. Agreement Copy 3. TDS Otherwise bid will be liable for rejection)	:
5	Average Annual turnover during last 3 years (Audited/CA Certified) (supporting documents along with Saral and P&L Account Sheet are to be enclosed)	Assessment Years 2012-13 : 2011-12 : 2010-11 :
6	P.F. Code NO. (Copy to be enclosed) In case not available, party shall submit the PF code before commencement of the work.	:
7	E.S.I. Code No. (Copy to be enclosed)	:
8	PAN No. (Copy to be enclosed)	:
9	Labour License(State/Central) Validity up to In case not available, bidder shall submit the License before commencement of the work.	: :
10	Service Tax No.:(Copy of certificate/Proof of application to be enclosed)	:
11	1.IBR welder certificate to be enclosed.	:

	<p>2.Willingness in their letter head at the time of submitting the offer to deploy IBR certified welder for executing IBR related works in this tender.</p>	:
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NOTE:

- 1.Period of contract shall be as mentioned in first page.
- 2.Tenders are **on two - part bid system** (Techno commercial bid and price bid).
- 3.Tender documents can be had through BHEL website <http://www.bhel.com> & CPP Portal <http://www.eprocure.gov.in> cost of document shall be paid in the shape of Demand Draft or Bankers Cheque or Pay Order and separately enclosed to the tender bid.
- 4. Submission of tender covers for this work shall be as given below:**
 - a)
 - Cover-A - for Technical and Commercial Bid (sealed cover) super-scribing the Tender notice No., name of work, Contractor name & address.
 - Cover-B - for Price Bid (sealed cover) super-scribing the Tender notice No., name of work, Contractor name & address.
 - Cover-C - This cover shall contain sealed Cover A (Technical bid) and sealed Cover B (Price bid). The cover shall be sealed and super-scribed with Tender notice No., name of work and Contractor name & address.
 - b) If any Contractor submits combined bid i.e., tech. bid and price bid in one cover, such offer shall be summarily rejected.**
- 5.The requisitions for tender documents shall be given in person to DGM/ Service-TCGT, BHEL., Ramachandrapuram, Hyderabad 502 032 along with Demand Draft/Banker's Cheque drawn in favour of "BHARAT HEAVY ELECTRICALS LIMITED, HYDERABAD" or payment of cash in BHEL Cash Office (No other mode of payment will be accepted). Tender documents shall be collected in person by the contractor or his representative.
- 6.Techno commercial bids will be scrutinised on the same day. In case the agency has not satisfied all the conditions with documentary proof while submitting tender document, the bid will be rejected and their price bid will not be opened.
7. In case of a firm, all the documents pertaining to above clauses shall be in the name of the firm. However in case of sole proprietor or individuals these can be in the name of the sole proprietor or individual.
8. Agencies who are presently working with BHEL are also required to submit proof of satisfactory performance throughout the contract period and completion of contract from in-charge of executing department, otherwise the bid will not be considered for evaluation.
- 9.All the columns shall be filled with proper information.
- 10.BHEL reserves the right to reject or cancel the tender at any stage of the tender process without assigning any reasons thereof.
- 11. The agencies are advised to visit the work site to understand the nature of work /quantum of work in its true perspective to avoid any complications in future.**
12. Supervision of Contract Workforce shall be monitored by Contract Supervisor. Contractor & Supervisor shall be available whenever required.
13. The Contractor is wholly responsible for any loss of life or partial disability of any of their employees while on duty.
- 14. In case of occurrence of any accident/ injury of Contractor's staff, BHEL will not pay any compensation while they are on duty and Contractor has to take care of same as a statutory obligation.**

Signature of Tenderer

Issuing Officer

PRE- QUALIFICATION CRITERIA:

- I. The following conditions have to be satisfied by the tenderer, with documentary proof to be enclosed with tender bid **In case the agency fails to enclose the following documentary proof with tender the tender will be liable for rejection.**
1. Particulars of experience/credentials for all the works executed as detailed below. Experience of having successfully completed/executed works during last 7 years ending last day of month previous to the one in which applications are invited shall be any one of the following:-
 - a) Three similar completed/executed works costing not less than the amount equal to 8% (27.81 lakhs) of the estimated cost.
 - or**
 - b) Two similar completed/executed works costing not less than the amount equal to 9% (31.28 lakhs) of the estimated cost.
 - or**
 - c) One similar completed/executed works costing not less than the amount equal to 20% (69.52 lakhs) of the estimated cost.

Similar Works: Any one of the following works in manufacturing units like BHEL, SIEMENS, L&T and TRIVENI;

 - a. Piping works of Steam turbines.
 - b. Piping works of Industrial compressors driven by steam turbines.
 - c. Piping works of Gas turbines.
 2. Particulars of average annual financial turn over during the last 3 years ending 31st March of financial year, should be at least 15% (52.14 lakhs) of the estimated cost.
 3. E.S.I Code NO. (proof to be enclosed):
 4. PAN NO: (proof to be enclosed):
 5. Labour licence (Central): (proof to be enclosed, in case not available, bidder shall submit the License before commencement of the work).
 6. Service Tax Registration No: (proof of having Code No. to be enclosed, if not available proof of application submitted for obtaining service tax with concerned department shall be enclosed. Bills will not be processed until submission of proof).
 7. **Prospective bidders are required to submit their willingness in their letter head at the time of submitting the offer to deploy IBR certified welder for executing IBR related works in this tender.**
- II Tenders must be submitted in separate sealed covers for technical bid and price bid, both enclosed in separate sealed cover addressed to DGM/Services-TCGT, BHEL, Ramachandrapuram, Hyderabad 502 032 for each cover. Tenderer shall write tender notice No, name of work and address of the tenderer on all the sealed covers. In case the agency fails to comply any of the above, the tender will be liable for rejection.

Signature of Tenderer

Issuing Officer

BUSINESS RULES FOR REVERSE AUCTION

GENERAL TERMS AND CONDITIONS OF REVERSE AUCTION

Against this Enquiry for the subject with detailed scope of supply as per our requirement, BHEL may resort to "ONLINE REVERSE AUCTION PROCEDURE" i.e. **ONLINE BIDDING on INTERNET.**

1. For the proposed reverse auction, technically and commercially acceptable bidders only shall be eligible to participate.
2. BHEL will engage the services of a Service Provider who will provide all necessary training and assistance before commencement of on line bidding on Internet.
3. Business rules like event date, time, start price, bid decrement, extensions, etc. also will be communicated through Service Provider for compliance.
4. Contractors have to email a scanned copy of the Process Compliance Form (provided by Service Provider) before start of Online Initial Sealed Bid. Without this form, the vendor will not be eligible to participate in the event.
5. Reverse auction will be conducted on schedule date & time.
6. At the end of reverse auction event, the lowest bidder value will be known on the network.
7. The lowest bidder has to email a scanned copy of the price break-up & confirmation duly signed filled-in prescribed format (as per BHEL's price excel sheet) as provided on case-to-case basis to BHEL through Service Provider within 24 hours of the reverse auction without fail.
8. Any variation between the on-line bid value and signed document will be considered as sabotaging the tender process and will invite disqualification of vender to conduct business with BHEL as per prevailing procedure.
9. In case BHEL decides not to go for Reverse auction procedure for this tender enquiry, the price bids and price impacts, if any already submitted and available with BHEL shall be opened as per BHEL standard practice.
10. Only those vendors, who participate in the Online Initial Sealed Bid, will be eligible to participate in the subsequent Online English Reverse Auction.
11. **The reverse auction will be treated as closed only when the bidding process gets closed in all respects for the works listed in the tender**

Signature of Tenderer

Issuing Officer

Please go through the guidelines given below and submit your acceptance to the same.

1. Computerized reverse auction shall be conducted by BHEL, on pre-specified date, while the vendors shall be quoting from their own offices/ place of their choice. Internet connectivity shall have to be ensured by vendors themselves. In extreme case of failure of Internet connectivity, (due to any reason whatsoever may be) it is the bidders' responsibility / decision to send fax communication immediately to Service Provider. Furnishing the price the bidder wants to bid online with a request to the Service Provider to upload the faxed price on line so that the Service Provider will up load that price on line on behalf of the Bidder. It shall be noted clearly that the concerned bidder communicating this price to Service Provider has to solely ensure that the fax message is received by the Service Provider in a readable / legible form and also the Bidder should simultaneously check up with Service Provider about the clear receipt of the price faxed. It shall also be clearly understood that the bidder shall be at liberty to send such fax communications of prices to be up loaded by the Service Provider only within the closure of Bid time and under no circumstance it shall be allowed beyond the closure of Bid time / reverse auction. It shall also be noted that the service provider should be given a reasonable required time by the bidders, to upload such prices online and if such required time is not available at the disposal of the Service provider at the time of receipt of the fax message from the bidders, the Service Provider will not be uploading the prices and either BHEL or the Service Provider are not responsible for this unforeseen circumstances. In order to ward-off such contingent situation bidders are requested to make all the necessary arrangements/ alternatives whatever required so that they are able to circumvent such situation and still be able to participate in the reverse auction successfully. Failure of power at the premises of vendors during the Reverse auction cannot be the cause for not participating in the reverse auction. On account of this, the time for the auction cannot be extended and neither BHEL nor Service Provider are responsible for such eventualities.
2. Service Provider shall arrange to demonstrate/ train your nominated person(s), without any cost to you. They shall also explain you, all the Rules related to the Reverse Auction/ Business Rules Document to be adopted along with bid manual. You are required to give your compliance on it before start of bid process.
3. The quoted rates on all works shall be **Exclusive of all taxes** as applicable.
4. The prices quoted should be firm.
5. **Procedure of Reverse Auction:**
 - i. **Online Initial Sealed Bid:** The opening bid (In the initial auction) of the bidders shall be same as that quoted in their Final Sealed price submitted to BHEL. The bidders shall confirm in writing to BHEL that their opening bid shall be same as that quoted in their final valid Sealed price bid submitted against tender Enquiry no. HY/AGM/OT-16/2012-13. If it is found to be otherwise at a later date, the bidder will be disqualified from the tender.
 - ii. **Online English Reverse (no ties) Auction {Dynamic Reverse Auction}:** BHEL will declare its **Opening Price (OP)**, which shall be visible to all the vendors during the start of the Dynamic Reverse Auction. You will be required to start bidding after announcement of Opening Price and decrement amount. Also, please note that the start price of work in the online reverse auction is open to all the participating bidders. Any bidder can start bidding, in the online reverse auction, from the start price itself. If the start price is your own Online Initial Sealed Bid price, you still need to bid in the online reverse auction. Moreover, please note that the first online bid that comes in the system during the online reverse auction can be equal to the auction's start price, or lesser than the auction's start price by one decrement, or lesser than the auction's start price by multiples of decrement. The second online bid and onwards will have to be lesser than the L1 rate by one decrement value, or lesser than the L1 rate by multiples of the decrement value.
 - iii. The bid decrement amount shall be specified by BHEL.
 - iv. After the completion of English Reverse (no ties), the **Closing Price (CP)** shall be available for further processing.
6. Successful vendor shall be required to submit the final prices, quoted during the English Reverse (no ties) in the Format after the completion of Auction to BHEL, duly signed and stamped as token of acceptance without any new conditions other than those already agreed to before start of auction.
7. English Reverse (no ties) shall be for a **period of 30 minutes**. If a bidder places a bid in the **last 5 minutes** of closing of the Reverse Auction and if that bid gets accepted, then the auction's duration shall get extended automatically for another 5 minutes, for the entire auction (i.e. for all the items in the auction), from the time that bid comes in. Please note that the auto-extension will take place only if a bid comes in those last 5 minutes and if that bid gets accepted. If the bid does not get accepted, the auto-extension will not take place even if that bid might have come in the last 5 minutes. In case, there is no bid in the last 5 minutes of closing of Reverse Auction, the auction shall get closed automatically without any extension. However, vendors are advised not to wait till the last minute or last few seconds to enter their bids during the auto-extension period to avoid complications related with internet connectivity, network problems, system crash down, power failure etc.
8. During the Online English Reverse (No Ties) Auction, if no bid is received in the auction system/website within the specified time duration of the reverse auction, then **BHEL**, at its discretion, may decide to revise the auction's Opening Price / scrap the online reverse auction process / proceed with the conventional mode of tendering (opening of the hard copy final bids submitted by you earlier to BHEL).

Signature of Tenderer

Issuing Officer

9. Your bid will be taken as an offer to execute the work. Bids once made by you, cannot be cancelled/withdrawn and you shall be bound to execute the work as mentioned above at your final bid price. **Should you back out and not execute the contract as per the rates quoted, BHEL shall take action as appropriate.**
10. You shall be assigned a **Unique User Name & Password** by BHEL or/ Service Provider. You are advised to change the Password and edit the information in the Registration Page after the receipt of initial Password from BHEL/ Service Provider to ensure confidentiality. All bids made from the Login ID given to you will be deemed to have been made by your company.
11. You shall be able to view the following on your screen along with the necessary fields in the English Reverse (no ties) { Reverse Auction} :
 - a. Leading Bid in the Auction (only total price of package)
 - b. Bid Placed by you
 - c. Your rank
 - d. Opening Price & decrement value.
12. At the end of the Reverse Auction, BHEL will decide upon the winner. BHEL's decision on award of Contract shall be final and binding on all the Bidders.
13. BHEL shall be at liberty to call the lowest bidder for negotiations / cancel the reverse auction process / tender at any time, before ordering, without assigning any reason.
14. BHEL shall not have any liability to bidders for any interruption or delay in access to the site irrespective of the cause.
15. Other terms and conditions shall be as per your techno-commercial offers and other correspondences till date.
16. You are required to submit your acceptance to the terms/ conditions/ modality given above before participating in the reverse auction.

Signature of Tenderer

Issuing Officer

Steam turbine

TERMS AND CONDITIONS FOR REVERSE AUCTION

1. **LOG IN NAME & PASSWORD:** Each Bidder is assigned a Unique User Name & Password by Service Provider. The Bidders are requested to change the Password and edit the information in the Registration Page after the receipt of initial Password from Service Provider. All bids made from the Login ID given to the bidder will be deemed to have been made by the bidder.
2. **BIDS PLACED BY BIDDER:** The bid of the bidder will be taken to be an offer to execute the work. Bids once made by the bidder cannot be cancelled. The bidder is bound to execute the work as mentioned above at the price that they bid. Should any bidder back out and not make the supplies as per the rates quoted, BHEL and / or Service Provider shall take action as appropriate.
3. **LOWEST BID OF A BIDDER:** In case the bidder submits more than one bid, the lowest bid will be considered as the bidder's final offer to execute the work.
4. **AUCTION TYPE:**
 - 1) Online Initial Sealed Bid / Initial Auction.
 - 2) Online English Reverse (No Ties) Auction (refer Bidder Manual for details) / Dynamic Reverse Auction.
5. **DURATION OF AUCTION:** The duration of Auction will be for 30 Minutes. If a bidder places a bid in the last 5 minutes of closing of the Reverse Auction and if that bid gets accepted, then the auction's duration shall get extended automatically for another 5 minutes, for the entire auction (i.e. for all the items in the auction), from the time that bid comes in. Please note that the auto-extension will take place only if a bid comes in those last 5 minutes and if that bid gets accepted. If the bid does not get accepted, the auto-extension will not take place even if that bid might have come in the last 5 minutes. In case, there is no bid in the last 5 minutes of closing of Reverse Auction, the auction shall get closed automatically without any extension. However, vendors are advised not to wait till the last minute or last few seconds to enter their bids during the auto-extension period to avoid complications related with internet connectivity, network problems, system crash down, power failure, etc. (THIS SCHEDULE IS TENTATIVE. IN CASE OF CHANGE IN SCHEDULE, THE SAME SHALL BE COMMUNICATED TO YOU).
6. **BID DECREMENT:** The minimum Bid decrement shall be available to the Bidders at the start of the auction. The bidder can view the same by clicking on the Item details at the start of the auction. The bidder can bid lower than the Lowest Bid in the auction by a decrement, multiples of the minimum Bid decrement. Also, please note that the start price of an item in the online reverse auction is open to all the participating bidders. Any bidder can start bidding, in the online reverse auction, from the start price itself. If the start price is your own Online Initial Sealed Bid price, you still need to bid in the online reverse auction. Moreover, please note that the first online bid that comes in the system during the online reverse auction can be equal to the auction's start price, or lesser than the auction's start price by one decrement, or lesser than the auction's start price by multiples of decrement. The second online bid and onwards will have to be lesser than the L1 rate by one decrement value, or lesser than the L1 rate by multiples of the decrement value.
7. **VISIBILITY TO BIDDER:** The Bidder shall be able to view the following on his screen along with the necessary fields during English Reverse –No ties Auction:
 - Leading Bid in the Auction
 - Bid Placed by him
 - His Own Rank
 - Start Price & Bid Decrement Value
8. **AUCTION WINNER:** At the end of the Reverse Auction, BHEL will evaluate all the bids submitted and will decide upon the winner.
9. **PROXY BIDS:** Proxy bidding feature is a pro-supplier feature to safe guard the supplier's interest of any Internet failure or to avoid last minute rush. The Proxy feature allows Bidders to place an automated bid against other Bidders in an auction and bid without having to enter a new amount each time after competing Bidder submits a new offer.

The bid amount that a Bidder enters is the minimum that the Bidder is willing to offer. Here the software bids on behalf of the supplier.

- The proxy amount is the minimum amount that the Bidder is willing to offer. During the course of bidding, the Bidder cannot delete or change the amount of a Proxy Bid.

Signature of Tenderer

Issuing Officer

- Bids are submitted in decrements (decreasing bid amounts). The application automates proxy bidding by processing proxy bids automatically, according to the decrement that the auction originator originally established when creating the auction, submitting offers to the next bid decrement each time a competing Bidder bids, regardless if competing bids are submitted as proxy or standard bids. However it may please be noted that if a manual bid and proxy bid are submitted at the same instant manual bid will be recognized as the L1 at that instant.
- **This feature can be used only once during a particular Reverse Auction and only after the L1 rate is equal to or less than the minimum bid amount that the bidder has put in the system will he get the option to manually bid for the same. In no case during the bidding till the L1 rate or less is not reached as equivalent to the minimum bid amount offered by the bidder, will the bidder get the option to manually bid for the same.**

10. OTHER TERMS & CONDITIONS:

- The Bidder shall not involve himself or any of his representatives in Price manipulation of any kind directly or indirectly by communicating with other suppliers / bidders.
 - The Bidder shall not divulge either his Bids or any other exclusive details of BHEL to any other party.
 - BHEL's decision on award of Contract shall be final and binding on all the Bidders.
 - BHEL along with Service Provider can decide to extend, reschedule or cancel any Auction. Any changes made by BHEL and / or Service Provider after the first posting will have to be accepted if the Bidder continues to access the site after that time.
 - Service Provider shall not have any liability to Bidders for any interruption or delay in access to the site irrespective of the cause.
 - Service Provider is not responsible for any damages, including damages that result from, but are not limited to negligence.
 - Service Provider will not be held responsible for consequential damages, including but not limited to systems problems, inability to use the system, loss of electronic information etc.
- 11.** The details of Service Provider and other formats related to Reverse Auction will be intimated to Contractors, who are technically and commercially acceptable bidders only.

Signature of Tenderer

Issuing Officer

BHARAT HEAVY ELECTRICALS LIMITED
RAMACHANDRAPURAM : : HYDERABAD-32

TENDER NOTICE

TENDER NOTICE NO. HY/DGM/OT-04/2013-14 DT: 16-04-2013

1. Sealed Tenders will be received by the AGM/Prod. & services-TC, Bharat Heavy Electricals Limited, Ramachandrapuram, Hyderabad-32 at **Vendor complex** behind Admn. Building,BHEL up to 11.00 hours on **07.05.2013** for the work of **“Steam turbine piping works in 01 shop”** Ramachandrapuram, Hyderabad-502 032. Andhar Pradesh., Tenders (Technical bid) will be opened at **Vendor complex** behind Admn. Building,Bharat Heavy Electricals Limited, Ramachandrapuram, Hyderabad-32 on the same day at 13.30 hours. The tenderers or their agents are expected to be present at the time of opening of the tenders. The tender receiving officer will, on opening such tender, attest over writings or corrections, if any, therein in the presence of the tenderers who may be present at the time. The tender should be in the form, obtainable from the Office of the DGM/Services-TC. Tender forms and other particulars regarding the proposed work can be obtained on any working day from 09.00 to 13.00 hours upto **date mentioned in first page** on payments of the prescribed sum of **₹. 1000 /-** per set as non-refundable.
2. Tenders must be submitted in sealed covers and should be addressed to The AGM/Prod. & Services-TC, Bharat Heavy Electricals Limited, Ramachandrapuram, Hyderabad – 32, the name of the tenderer and the name of the work being noted on the cover. If the tender is made by a individual, it shall be signed with his name and his full address shall be given, If it is made by firm, it shall be signed with the co partnership name by a member or the firm, who shall also sign his own name and the name and address of each member of the firm shall be given, if the tender is made by a corporation, it shall be signed by a duly authorised officer who shall produce with his tender, satisfactory evidence of his authorisation. Such tendering corporation may be required before the agreement is executed, to furnish evidence of it's corporate existence.
3. Each tenderer must pay as Earnest Money, a sum of **mentioned in the 1 st page** and enclose with his tender the receipt endorsed accordingly. The earnest Money prescribed for this work may be offered in any of the following forms duly pledged to the Sr. Accounts Officer (CASH), B.H.E.L., Ramachandrapuram, Hyderabad-32.
 - a) Cash Receipt from B.H.E.L., Cash Office
 - b) Bankers cheque, Demand Draft.

Signature of Tenderer

Issuing Officer

The Earnest Money will be refunded to the unsuccessful tenderer after the intimation of rejection of the tender is sent. The Earnest Money will be retained in the case of the successful tenderer and get converted as a part of security Deposit for the due performance of the contract and in either case will not carry any interest. It will be dealt with as provided in the conditions attached to the tender. When a tender is to be accepted, the tenderer whose tender is under consideration, shall attend the Office of DGM/ Services-TC on the dates fixed by written information to him. He shall forth with upon intimation being given to him by the DGM/ Services-TC of acceptance of his tender, complete the execution of the agreement by signing all documents connected there with, Failure to do so shall entail forfeit of the Earnest Money Deposit.

4. EMD by the Tenderer will be forfeited as per Tender Document if:
 - i) After opening the tender, tenderer revokes his tender within the validity period or increases his quoted rates.
 - ii) The tenderer does not commence the work in the period as per LOI/Contract. In case the LOI / contract is silent in this regard then within 15 days after award of contract the work should be commenced .
5. EMD shall not carry any interest.
6. Tenderers shall peruse carefully the instructions laid in General Conditions of the contract and all other relevant documents before tendering for the work. The approximate quantity of work to be executed is given in price bid. The quantities are given for uniform comparison of offers. However the quantities may vary. It shall be noted that any errors, omissions in the tender documents will be interpreted at the by the accepting authority at his discretion.
7. The DGM/ Services-TC reserves the right to reject any tender or part thereof or all the tenders without assigning any reasons thereof.
- 8a. Tenders offering a percentage deduction from or increase on the estimate rates and those not submitted in proper form or in due time will be rejected.
- 8b. **The offer shall be valid for a period of 90 days from the date of opening of the technical bid.**
9. Security Deposit shall be collected from the successful tenderer. The rate of Security Deposit will be as below:
- 9a. Security Deposit should be collected from the successful tenderer. The rate of Security Deposit will be as below:

Upto Rs. 10 lakhs	10%
Above Rs. 10 lakhs upto Rs. 50 lakhs	Rs. 1 lakh + 7.5% of the amount exceeding Rs. 10 lakhs
Above Rs. 50 lakhs	Rs. 4 lakhs + 5% of the amount exceeding Rs. 50 lakhs

Signature of Tenderer

Issuing Officer

9b. Security Deposit may be furnished in any one of the following forms.

- i) Cash (as permissible under the Income Tax Act)
- ii) Pay Order, Demand Draft in favour of BHEL.
- iii) Local cheques of scheduled banks, subject to realization.
- iv) Securities available from Post such as National savings Certificates, Kisan Vikas Patras etc.
- v) Bank Guarantee from schedules Banks / Public Financial Institutions as defined in the Companies Act. The Bank Guarantee format should have the approval of BHEL.
- vi) Fixed Deposit Receipt issued by scheduled Banks / Public Financial Institutions as defined in the companies Act. The FDR should be in the name of the contractor, A/C BHEL, duly discharge on the back.
- vii) Security Deposit can also be recovered at the rate 10% from the running bills. However in such cases at least 50% of the Security Deposit should be deposited before start of the work and the balance 50% will be recovered from the running bills.
- viii) EMD of the successful tenderer shall be converted and adjusted against the security deposit.

NOTE: Acceptance of Security Deposit against sl. No. (iv) and (vi) above will be adjusted to hypothecation or endorsement on the documents in favour of BHEL. However, BHEL will not be liable or responsible in any manner for the collection of interest or renewal of the documents or in any other matter connected therewith.

9c. Security Deposit shall not be refundable to the contractor except in accordance with the terms of the contract.

The Security Deposit will be released after completion final bill and fulfill the statutory payments and Bonus@20% to workers working under this work.

Signature of Tenderer

Issuing Officer

DIRECTIONS TO PARTIES FOR TENDERING

1. The tenderer shall examine closely, the relevant clauses of the standard preliminary specification before submitting his tender rates which shall be for finished work in site. He shall also carefully study all the documents which form part of the agreement to be entered into by the accepted tenderer.
2. Each tenderer must also send a certificate of Current Income Tax Clearance from the appropriate Income Tax Authority in the form prescribed therefor. In the case of proprietary firm, it will be necessary to produce the certificate aforementioned for the proprietor or proprietors and for each of the partners as the case may be.
3. **Time shall be considered as the essence of the contract. The rate of progress as required by the in-charge, executing department is to be strictly adhered (including operation of the contract in 3 shifts).**
4. The tenderer should quote specific rates for each item in the schedule and the rates should be in rupees and paise. The units and rates should be written both in words and figures. The schedule accompanying the tender shall be written legibly and free from erasures, over writings or corrections of figures. Corrections where unavoidable should be made by crossing out, initialing, dating and rewriting. No alterations which is made by the tenderer in the agreement form, the conditions of agreement, the drawings or specifications accompanying the same will be recognized and if any such alterations are made, the tender will be void.

Signature of Tenderer

Issuing Officer

TENDER FOR THE WORK

I/We _____ do hereby tender to execute works of the under mentioned description after visiting work site and in accordance with the conditions noted below in consideration of payment being made for the quantity of work executed at the respective rates specified in the following schedule.

I / We hereby distinctly and expressly declare and acknowledge that before the submission of my / our tender I / We carefully followed the instructions in the tender notice and have read the clauses of the preliminary specifications and that I /We have made such examination of the contract documents and of the specifications etc., and of the location where the said work is to be done and such investigation of the work required to be done and in regard to the material required to be furnished as to enable me/us thoroughly to understand the intention of same and the requirements, covenants, agreements, stipulations and restrictions contained in the contract and in the said specifications and distinctly agree that I /We will not hereafter make any claim or demand upon the Bharat Heavy Electricals Limited based upon or arising out of the said requirements, covenants, agreements, stipulations, restrictions and conditions I /We, _____ enclose a income tax verifications certificate. I /We

_____ have already produced income tax verification certificate during the current calendar year in respect of (here particulars of the previous occasion on which the certificate was produced should be given

_____.

Signature of Contractor (S)
Address

TENDERER'S AND CONTRACTOR'S CERTIFICATE

1. I hereby declare that I have perused in detail and examined closely its addenda volume and also BHEL General Conditions of contract. I agree to be bound by and comply with General Conditions of contract, for the items of works specified in the price bid and the work as a whole.

2. I hereby declare that I shall pay the BHEL notified minimum wages to my workers as applicable from time to time. I shall also adhere to all the statutory obligations under Contract Labour (Regulation and Abolition) Act 1971 and Rules framed there under with subsequent revisions if any.

Date _____

SIGNATURE OF CONTRACTOR(S)

Steam turbine

CONTRACTOR'S OBLIGATIONS

I) CONTRACTUAL

- a) Contractor shall decide the number of employees including deployment in 3 shifts also wherever required for execution of the work awarded to him and he or his authorized representative will be solely entitled to dictate such workers about the manner of carrying out the work as per the prescribed specifications and quality plan.
- b) Contractor shall supervise the work allotted to him and to be carried out by his employees.
- c) Contractor to ensure that the employees deployed in the premises of BHEL are physically and mentally fit and do not have any criminal record. Such employees should possess requisite skill, proficiency, qualification, experience etc.
- d) Contractor to maintain appropriate records of his employees deployed to carry out the job(s).
- e) Contractor should issue appropriate appointment letters to his employees.
- f) Contractor to provide employment card/identity card with photograph duly verified and attested by the Contractor to his employees. Contractor to indicate the name of the proprietary/partnership firm/company, place of work, contract number and duration of validity of card.
- g) Contractor will be responsible for the good conduct of his employees. In case of any misconduct/misbehaviour by any employee, the contractor will replace such employee(s) immediately.
- h) Contractor will ensure that the job is executed through his employees on his rolls and under no circumstances the contractor will deploy any casual employee to carry out the job nor shall sub-contract the job without prior written permission.
- i) Contractor will keep watch on his employees and he will be liable for any pilferage / loss to BHEL due to acts of omission and commission by his employees. Similarly, liability for any compensation to outsiders on account of any act of omission and commission by the employees deployed by the contractor shall lie exclusively with him.
- j) Contractor to provide safety appliances and safety shoes to his employees. The contractor shall be responsible for enforcing all safety regulations as applicable.
- k) The contractor has to provide a distinct uniform different from BHEL employees. The Uniform should have logo of the Contractors firm / company. The uniform shall be kept in neat, tidy and wearable condition. Wherever necessary, the Cap shall be integral part of the uniform.
- l) Contractor to ensure that all precautions are taken for safety of his employees and equipments.
- m) In the event of termination of contract for any reason whatsoever, the contractor shall withdraw all his employees from the establishment of BHEL. In case contractor decides to terminate services of his employees, he should settle all terminal dues including retrenchment compensation.
- n) Contractor shall provide to his employees all tools, tackles and equipments and maintain the same to carry out the job under the contract at his cost and if necessary contractor may take insurance policy of his men, material, equipments and tools and tackles.
- o) Contractor shall provide safety appliances and maintain the same at his own cost which may be required under the statute or otherwise.
- p) Contractor shall provide material at his cost as mentioned in the contract to his employees for carrying out the job.

II) TOWARDS STATUTORY LIABILITY

- a) All statutory requirements under Minimum Wages Act. 1948, Payment of Wages Act. 1936, BHEL payment guide lines, Workmen Compensation Act. 1923, EPF & MP Act, 1952, Payment of Gratuity Act, 1972. ESI Act, 1948. The Contract Labour (R&A) Act, 1970, Payment of Bonus Act, 1965, Income Tax Act, Service Tax Act and all other applicable Acts shall be complied with by the contractor.

The contractor shall produce the following Registers and forms before commencement of work, verification by the Executing Officer of the company.

- i. Form XIII - Register of workmen employed by contractor (Rule 75)
- ii. Form XIV - Employment card issued by contractor (Rule 76).
- iii. Form XVI - Muster Roll (Rule 78 (1) (a) (i)).
- iv. Form XVII - Register of Wages (Rule 78 (1) (a) (i)).

Signature of Tenderer

Issuing Officer

- v. Form XVII - Register of wages - cum Muster Roll (in case of weekly payment).
- vi. Form XIX - Wage slip (Rule 78 (b)).
- vii. Form XX - Register of deduction for damages or loss (Rule 78 (1) (a) (ii))
- viii. Form XXI - Register for fines (Rule 78 (1) (a) (ii)).
- ix. Form XXII - Register of advances (Rule 78 (1) (a) (ii)).
- x. Form XXIII - Register of overtime (Rule 78 (1) (a) (iii)).
- xi. Form XXIV - Register to be sent by the contractor to licensing Officer (Rule 82)(1)

The contractor shall maintain the above neatly, completely and legibly for inspection by various statutory authorities and the company officials even at short notice

- b) Contractor shall comply with all statutory requirements, rules, regulations, notifications in relation to employment of his employees issued from time by the concerned authorities of BHEL.
- c) **Contractor shall ensure payment of statutory prescribed by BHEL HR-IR minimum wages as applicable from time to time in the presence of authorized representative of BHEL and maintain proper records of their timely disbursement. These records need to be preserved for a period of at least 3 years and should be made available even after the contract is over for any verification by the statutory authorities / BHEL authorities.**
- d) Contractor to provide PF pass book to his employees and ensure payment of PF, EDLI, pension dues under EPF & MP Act, 1952 to the PRFC.
- e) Contractor shall ensure payment of ESI contribution under ESI Act, 1948 and provide ESI membership No. / card of each employee.
- f) Contractor shall produce proof of deductions as well as remittances of PF, EDLI, Pension, ESI contribution, administrative charges etc. wherever applicable and shall maintain proper records. Contractor to issue wage slips to his employees.
- g) Contractor shall furnish proper returns to the concerned statutory authorities and provide a copy of the same to BHEL.
- h) Contractor shall be solely responsible for non-payment/delayed payment of wages/DA, contributions under EPF & MP Act, ESI Act etc.
- i) In case the contractor fails to make payment of wages to his employees or remittance of contribution to the concerned authorities, the security deposit / other dues / running bills under the contract can be utilized by BHEL to discharge the liability of the contractor.
- j) Contractor shall indemnify BHEL against all claims and losses under various Labour Laws, statutes or any civil or criminal law in connection with employees deployed by him.
- k) The liability for any compensation on account of injury sustained by an employee of the contractor will be exclusively that of the contractor.
- l) Contractor to obtain insurance cover for his employees / equipment / tools and tackles etc. and take third party risk insurance coverage at his own cost. BHEL shall not be responsible for any loss, damage, and pilferage of property and / or his employees.
- m) Contractor should have independent code numbers / exemptions under EPF & MP Act, 1952 and ESI Act, 1948 and shall cover his employees under the said codes.
- n) Payment of bonus under the payment of Bonus@20%, Payment of gratuity under the Gratuity Act, and retrenchment compensation under Act will be the sole responsibility of the contractor.
- o) Over and above the daily wage rate, payment shall be made for leave with wages.
- p) Contractor shall observe Provisions of the Factories Act in respect of working hours, holidays, rest intervals, leave and overtime to his employee.
- q) In case a contractor employs women as employee he will discharge his obligation under law in respect of such women workers such prohibition of engaging them during night-hours, prohibition of employing them for more than 9 hours per day, provision of crèche facility, grant of maternity leave as per rules etc.
- r) Contractor shall be responsible for making payment of wages before expiry of 7 days from the last day of wage period and to ensure disbursement of wages in the presence of the authorities representative of contract operating division who shall record under his signature at the end of entries in the Register of wages.
- s) Contractor to obtain license under CL(R&A) Act, 1970.

Signature of Tenderer

Issuing Officer

GENERAL TERMS & CONDITIONS

1. BHEL shall have the privity of the contract with the contractor only and will give instructions to the contractor or his authorized representative. BHEL will have nothing to do or be concerned with the employment of employees working for the contractor. The relationship between BHEL and the Contractor will be that of independent entities and nothing herein contained will amount to joint venture, partnership or an employer-employee relationship.
2. The contractor shall maintain regular contact with the designated employee(s) of BHEL and will interact on matters relating to the work awarded under this contract.
3. In case the Contractor does not carry out the Contractual / Statutory obligations or the services rendered by him are found to be unsatisfactory, BHEL shall bring the same to his notice and he will be obliged to discharge the obligations and rectify the deficiency / anomaly within three days time failing which, BHEL reserves the right to terminate the contract without assigning any reason whatsoever. In such an event, no damages will be payable for short closure of the contract.
4. The decision of BHEL regarding interpretation of any of terms and conditions set forth in his agreement shall be final and binding on the Contractor.
5. Any matter arising out of or in connection with the agreement shall be under jurisdiction of Sanga Reddy Court.
6. Notwithstanding anything contained in this Agreement, the contract may be terminated by BHEL without assigning any reason thereof by giving a notice of 15 days to the contractor.
7. **The contract will commence from date of awardal and will remain valid for a period of one year from date of awardal. The parties reserve the right to extend the contract on mutually agreed terms and conditions.**
8. Contractor shall obtain complete bio-data of the labour, employment certificate and Antecedent verification in the prescribed form for each labour and supervisor engaged by him and shall submit the same to the Personnel Department / IR section through the contract executing officers before commencement of the work.
9. The Entry permits are to be issued to the Contract Labour by Assistant Commandant/CISF (Plant), based on the requisition submitted by Contract Executing Officer and forwarded by Dy. General manager/Personnel.
10. Every contractor shall submit a notice regarding commencement and completion, of work in form – VI A&B [Rule 25 (VIII) & 81 (3)] to Personnel Department, IR section through his contract executing officer, for forwarding the same to State Labour Department.
11. The contractor shall make himself of his representative available at the work spot everyday during execution of work, for effective supervision.
12. The contractor shall attend to all inspections notified / conducted by the Personnel Department, Labour Department, P.F. authorities. Factory Inspectors ESI Inspectors, or any other such authorities under the act.
13. Non – compliance of any provisions under the act/ rule/instructions / guidelines shall make the contractor liable for penal action including termination of contract.
14. Contractor shall furnish in a separate letter his place of residence and postal address. The delivery at the above named place or posting in a Post box regularly maintained by the post and telegraph Department or sending letters registered for acknowledgement of any notice, letter or other communication to the contractor. Change in address shall come into force at any time by an instrument executed by the contractor and delivered to the Company official who has signed the contract.
15. The contractor must satisfy himself by personal study and examination of the drawings/specifications furnished and understand thoroughly the scope of proposed work in detail and all conditions affecting the work before entering into the contract. There shall not be at any time dispute / complaint of any misunderstanding with regard to scope of work and interpretation of specifications or any misunderstanding with regard to nature or omission of the work to be done not shall any application for compensation in terms of time and money shall be accepted by company regarding the above.
16. Contractor shall in his absence keep competent agent constantly on the works and any directions or explanations given by the “Contract Signing Officer” or his representative to such agent shall be held to have been given to the contractor himself.
17. Contractor on the advice of company official shall immediately remove any person employed by him, who may in the opinion of the company official is incompetent or misc. conducts himself and such persons shall not be again employed on the works without permission of the company official.

Signature of Tenderer

Issuing Officer

18. The contractor shall erect and maintain at his own cost temporary weather proof sheds at such places approved by the company for keeping materials under cover.
19. The contractor shall give all notices required by the acts regulations , bylaws, legal acts and pay all fees in connection therewith unless and otherwise arranged and decided in writing with the company. He shall also ensure that no attachments are made against materials or work forming part of or for the use of the contractor. In all such cases, contractor shall protect and indemnify the company against any claim or liability arising from or based on the violation of any such laws, ordinances, regulations, orders, decrees or attachments either by himself or by his employees,
20. It shall be contractor's sole responsibility to protect the public and his employees against accident from any cause and provide required safety equipments and shall indemnify, the company against any claims for damages for injury to the person or property resulting from any such accidents and shall, where the provisions of the workmen's compensation act apply, take steps to properly insure against any claims thereunder.
21. In the event of any accident in respect of which compensation may become payable under the workmen's compensation act VIII of 1923 whether by the contractor or by the company as principle employer, it shall be lawful for the company to retain out of monies due and payable to the contractor such sum or sums of money as may, in the opinion of the company shall be final in regard to all matter arising in this clause.
22. No work shall be done on Sundays or on other declared holidays of the company without the written permission of the company officer incharge of the work. The contractor shall comply with the provisions of the Factories Act Rules framed thereunder if the same are applicable.
23. The contractor shall keep his work place clean and safe to avoid injuries to men and damage to finished products / equipments.
24. On the occurrence of an accident, which results in the death of any of the workmen employed by the contractor or which is so serious as to be likely to result in the death of any such workmen, the contractor shall within 24 hours of the happening of such an accident intimate in writing to the company official incharge of the work.
25. The contractor shall indemnify the company against all losses or damages sustained by the company resulting directly or indirectly from his failure to give intimation in the manner aforesaid including the penalties or dues if any and become payable by the company, as a consequence of failure, the company to give notice under the workmen's compensation act or otherwise confirm to the provisions of the said act in regard to such accident.
26. **The contractor shall ensure adherence to all statutory requirements applicable to BHARAT HEAVY ELECTRICALS LIMITED, RAMACHANDRA PURAM, HYDERABAD-502032.**
27. Notwithstanding the clause, in case of any financial loss incurred by the company on account of contravention of the Provident Fund regulations or any regulations of rule touching the same by the contractor, the contractor shall submit an undertaking to indemnify the company to the extent of the loss incurred by the company.
28. The contractor should engage only those labourers who shall be more than 18(eighteen) years of age.
29. The contractor shall not resort to subcontracting under any circumstances. If found subcontracting at a later date, BHEL reserves the right to take whatever action it deems fit, including cancellation of the contract.
30. The contractor shall provide the required safety equipment labours engaged by him.
31. Contractor shall issue "Employment Card" as per statute to all the labour and supervisors covered under the job work contract.
32. The contractor shall be responsible to settle any grievances of the labour deployed by him.
33. Whenever the term "CONTRACTOR" is used, it shall be understood to refer to the particular person, firm or corporation with whom an agreement has been made by the concerned company official for executing the work defined in the concerned agreement and for the purpose of instructions regarding compliance with contract conditions, it shall include the contractor's authorised agents, who are entrusted with the work by contractor.
34. The quantities mentioned in the agreement schedule are worked out from the relevant drawings in the company and may not be the actuals required for execution.
35. The company does not expressly or by implication agree that the actual amount of the work to be done shall correspond there with, but reserves the right to increase or decrease the quantity of any class or portion of the work as he deems necessary.

Signature of Tenderer

Issuing Officer

36. All the works shall be carried out in accordance with the directions and to the satisfaction of the company official in accordance with the drawings, specifications and instructions. Supplementing or explaining the same as may from time to time shall be done by the company official.
37. For all modifications, omissions or additions to the approved quantity, the company shall issue revised plans or written instructions and no modifications, omission or addition shall be made unless at any time before completion of the work.
38. The company shall have the privilege of ordering modifications, omissions, or additions at any time before completion of the work.
39. All materials, articles, and workmanship shall be the best of their respective kinds for the class of work described in the contract specifications and schedule and materials to be obtained by the contractor shall be from sources approved by the company.
40. Sample of materials shall be furnished by the contractor at his expense to the company when called for before execution of any work.
41. The company shall have power to reject at any stage, any work which is considered to be defective in quality of materials of workmanship and shall not be debarred from rejecting wrong material by reasons of having previously passed them in an unworked condition. Any portion of the work or pronounced to be inferior or not in accordance with specifications shall be taken down and removed from the work site at the contractor's expenses.
42. The decision of the company shall be final and binding on the contractor on all technical questions which may arise in the contract with respect to material, workmanship, removal; of improper work, interpretation of the working drawings, specifications, notes, procedures etc.
43. The decision of the "Contract Signing Officer" or any officer deputed by him duly authorised on his behalf, in respect of the rate of progress and the quality of work or material shall be final.
44. Contracts shall be deemed to have included in his tender price of all the plant. Machinery and appliances required for the purpose of all operations connected to secure a satisfactory quality of work within the opinion of the company will ensure the completion of the work within the time specified.
45. If at any time, during the progress of work or any part of it such methods or equipment appear to the company official to be insufficient or inappropriate for ensuring the quality of work required or rate of progress, he may order the contractor to increase their efficiency or to improve their quality of work and the contractor shall comply with such order and on failure of which the company may take such action as it deems it fit to improve the quality of work of the company may take such action as it deems if fit to improve the quality of work or the rate of progress required from the contractor and all such actions taken by the company shall be at the cost and risk of the contractor.
46. It is open to the company to lend or supply to the contractor any tools, implement, material and machinery that are needed by the contractor, which in the opinion of the company is essential to improve the quality or progress of work. The contractor shall pay such deposit or charges that may be fixed or determined by the company for any such articles or machinery lent or hired to the contractor.
47. Any electric power required for contractors machinery for the purpose of work shall be supplied by the company at the written request of the contractor at one point subject to the observance of rules and regulations of Electric board / company and charges there on shall be recovered from the contractor.
48. The contractor shall confirm to the regulations and laws of central / state govt. or any local authority and that of the company with whose system the machinery is supposed to be connected.
49. All rubbish as it accumulates shall be removed from the site to the point of disposal as indicated from time to time by the company. If this is not adhered to, the company shall remove the scrap and recover the cost of these operations from the bills of the contractor.
50. Any sum due from the contractor on account of tools and plants, stores, or any other items provided by the company shall be deducted from the respective bill due to him.

Signature of Tenderer

Issuing Officer

51. In case the contractor does not execute the work awarded to him as per the terms and conditions of the agreement, the security deposit shall be forfeited and same shall be got executed by some other contractor and the excess cost incurred shall be recovered from the contractor's pending bills. In case Contractor/Supplier withdraws the quotation after its acceptance by BHEL, or fails to execute the work or supply goods as per the terms and conditions of contract or at any time repudiate the contract wholly or in part, BHEL shall be at liberty to forfeit the EMD/SD submitted by Contractor/Supplier and cancel the Work Order/Purchase Order. BHEL reserves the right, without any prejudice, to get the work done/procure material through alternate sources along with other incidental charges at the risk and cost of the contractor/Supplier. In case of execution of work through alternative sources, the extra cost incurred by the company will be recovered from the defaulting contractor/supplier and if price is lower, no benefit on this account will be passed on to Contractor/Supplier.
52. In case of breach of any of the terms and conditions of the contract, a claim shall be lodged under the bank guarantee with the guarantor at the discretion of the competent authority of the company. On successful completion of the contract to the satisfaction of the company, the bank guarantee shall be released after due claim period.
53. In the event of any question or dispute or under this contract, the same shall be referred to a competent Authority in the company for sole arbitration and his decision shall be final and binding on the parties to the contract.
54. In case of any suit or other legal proceeding arising under this contract, the courts at Sangareddy (Medak Dist.) A.P only shall have the Jurisdiction.
55. The company reserves the right to enter into parallel agreement with one or more contractor at their direction.
56. Disputes, grievances between the contractor and his labour, will have to be settled by the contractor only.
57. The labour employed by the contractor, if found in abetting and fellow labour or contractors or any BHEL employee, the same shall be considered as an act of indiscipline. Such labourers shall be removed from the services of the contractor, on the advice of BHEL. Further the contractor shall initiate every necessary action in accordance with the relevant Laws, Rules & Regulations and enactments of State and Central Government.
58. Wherever, BHEL/COMPANY standards are mentioned, copies of which are enclosed shall be strictly followed.
59. Nothing contained in the contract agreement and its conditions shall be deemed to preclude or render inoperative the service of any notice, letter or other communication upon the contractor personally.
60. The decision of the "Contracting Signing Officer" shall be final and binding on the contractor on all technical questions which may arise touching the contract with respect to the quality of material, workmanship, removal of improper work, interpretation of the working drawings, specifications, notes, procedures etc.
62. All disputes arising in connection with the contract shall be settled by mutual consultation. If no agreement is reached the dispute shall be settled in accordance with the provisions of the Arbitration and Conciliation Act, 1996 and the rules made there under. The dispute shall be referred for arbitration to any arbitrator to be appointed by the Head of the Unit. The award of the arbitrator shall be final and binding on both the Parties. The venue of the Arbitration shall be Hyderabad in India. The Award to be given by the Arbitration shall be a speaking award. All questions, disputes, differences arising under, out of or in connection with this contract shall be to the exclusive jurisdiction of Sangareddy Courts.

Signature of Tenderer

Issuing Officer

Special Instructions:

1. If an individual makes the tender, it shall be signed with his full name and his address shall be furnished. If it is made by firm, it shall be signed with the co-partnership name by a member of the firm, who shall also sign his own name, also furnish the name and corporation, it shall be signed by a duly authorized officer who shall produce with the tender, satisfactory evidence of his authorization. Such tendering corporation / firm is required to furnish evidence of its existence along with bid.
2. The EMD will be refunded to the unsuccessful tenderers on application after rejection of the tender is intimated. The earnest money will be retained in the case of the successful tenderers and either of the cases will not carry any interest. It will be dealt with as provided in the conditions attached to the tender.
3. Whenever a tender to be accepted, the tenderer, whose tender is under consideration, shall attend the office of "Office Inviting the Tender" on the date fixed by written intimation to him. He shall forthwith, upon intimation being given to him by the "Officer Inviting the Tender" [Ex. DGM (DCD)] for acceptance of his tender, complete the execution of the agreement by signing all documents connected therewith. Failure to do so and not to commence the work within fifteen days from the date of intimation shall entail forfeiture of the earnest money.
4. Tenderers shall peruse carefully the instructions and directions to parties in tendering and the conditions of the agreement and all other relevant documents before tendering the rates for the work. The approximate quantity of work to be executed under each class is given in the schedule. The quantities are given with a view to enable tenderer to quote his overall rate for each class of work in the tender form and for an uniform comparison of tenderers. It shall be definitely understood that BHEL does not accept any responsibilities for the correctness or completeness of this schedule and that the schedule is liable to alterations by omission deductions, or additions at the discretion of accepting authority.
5. The tenderer shall keep the offer valid for a period of 90 days from the date of opening of tender. It is being understood that the tender documents have been sold / issued to the tenderer and the tenderer is being permitted to tender in consideration of the stipulation on his part that after submitting the tender, he will not recall his offer or modify the terms and conditions thereof in a manner not acceptable to the "Officer Inviting the Tender" Should the tenderer fail to observe or comply with the foregoing stipulation, the EMD shall be forfeited.
6. Tenderers have to quote their rates in the tender schedule legibly written in figures and words and those not submitted in proper form are liable for rejection.
7. The submission of tender shall be strictly in accordance with the terms and conditions stipulated in this tender notice. No counter conditions will be acceptable or valid.
8. The tenderers must satisfy themselves by personal study and examination of the drawings / specifications furnished and understands thoroughly the scope of proposed work in detail and all conditions affecting the work before entering into the contract. There shall be no claim of compensation at any point of time after submission of the tender with regard to dispute/ complaint of any nature regarding the scope of work and interpretation of specifications or any misunderstanding with regard to nature or omission of the work to be done and interpretation of terms by contract signing officer of BHEL in regard to the above is final
9. Contractor shall be deemed to have included in his tender price of all the plant, machinery and appliance required for the purpose of all operations connected with the work embraced under the contract to secure a satisfactory quality of work and rate of progress which in the opinion of the "Contract Signing Officer" will ensure the completion of the work within the time specified.
10. The contractor has to produce the bank guarantee in the prescribed proforma valid for the contract period for a value calculated at the rates mentioned towards security deposit. The claim period under the guarantee shall be valid for six months after expiry of the contract.
11. This is a time bound contract for period mentioned, and does not envisage any escalation of price.
12. The rates quoted by the contractor shall be firm for the contract period. There shall be no revision in contract rates due to increase in **any statutory levies including increase in wages** during the period of the contract and this increase shall be absorbed by the contractor himself in full.

BHARAT HEAVY ELECTRICALS LIMITED
RAMACHANDRAPURAM : : HYDERABAD – 32.

(SPECIAL CONDITIONS – SAFETY)

LIST OF SAFETY PRECAUTIONS TO BE OBSERVED BY THE CONTRACTOR

The contractor shall take all necessary safety precautions and arrange for appropriate appliance as per direction of bhel to its authorized officials to prevent loss human lives, injuries to personnel engaged, and damage to property.

The contractor shall provide to its work force and ensure the use of the following **Personal Protective Equipment** as found necessary and as directed by the authorized BHEL officials.

- i) Safety Helmets conforming to IS2925, 1984 compulsory
- ii) Safety Belts conforming to IS 3521, 1983
- iii) Safety shoes conforming to IS 14544-1998 compulsory
- iv) Eye & Face protection devices conforming to IS 1179-1967.
- v) Hand & body Protection devices conforming to IS 2573-1975; IS 6994 – 1973 and IS 8520-1978, IS 578-1985, and IS 6694.
- vi) Driving licence as required by state law department

The contractor shall not use any hand-lamp energized by electric power with supply voltage of more than 24 volts (DC).

All portable electric tools used by the contractor shall have safe plugging system to sources of power and be appropriately earthed.

All tools, tackles, lifting appliances, scaffolds, cradles, safety nets, ladders, equipments etc. used by the contractor shall be safe design and construction. The authorized BHEL officials shall have the right to ban the use of any item, if such use is considered to be dangerous by the concerned BHEL officials.

If the contractor fails to take appropriate safety precautions or to provide necessary safety devices and equipment or to carry out instructions issued by the authorized BHEL officials, BHEL shall have the right to take corrective steps at the risk and cost of the contractor.

The contractor shall take necessary fire safety precautions as per directions of the authorized BHEL officials.

In case of a fatal or disabling injury accident to any person due to lapses by the contractor BHEL shall have the right to impose appropriate financial penalty on the Sub contractor and recover the same from payments due to the contractor for suitably compensating the victim or his/her dependents. Before imposing the penalty. Appropriate enquiry shall be held by BHEL.

In case of any damage to property due to lapses by the contractor, BHEL shall have the right to recover the cost of such damages from the payments due to the contractor after holding an appropriate enquiry.

Signature of Tenderer

Issuing Officer

Specific information communicated to vendors: Steam turbine piping works in 01 shop.

Apart from the fulfilment of general conditions, the vendors who wish to submit the bids for the above category have to know the following specific information before quoting their rates.

1. Successful bidder has to offer bank guarantee towards the 50% of total security deposit or by any other means which are in practice at B.H.E.L.
2. The contractor should engage his labour on Sundays and holidays of BHEL(and in three shifts) as required by Dept. in case of exigencies.
3. **BHEL minimum wages are to be paid to the contract labour which will be varying from time to time as per personnel Dept. circulars.**
4. **The rates should be firm throughout the contract period and enhanced wages are not liable for reimbursement.**
5. This work involves deployment of unskilled ,SSW,SW:

Scope work: The above work consists Steam turbine piping works related to various sizes of piping works in, CS X RAY and Non X ray, SS X RAY and Non X ray and IBR welding, tubing with fittings. Welding of casings and other components ,material build up, Assembly of various Steam turbine components which includes flushing, pressure testing of various components and other miscellaneous welding and fitting works including scraping of casings ,assistance during testing. Material handling of structural work for test pit arrangement , cleaning and preservation, and painting. Contractor has to carry-out any type of relevant works as per the instructions of the concerned officials. Contractor shall arrange necessary Personal Protective Equipments (PPE) to his workmen

Scope of BHEL: Raw material for carrying out the work, consumables(drills, grinding wheels, burrs, gas cylinders, special cutting torches etc..),special tools and power, water & air supply.

Contractor Scope: To arrange required labour, machines(welding generators/rectifiers, hand drilling and grinding) and Personal protection equipment as shown in the general conditions, labour etc.

Signature of Tenderer

Issuing Officer

Guidelines for payments of labour.

As per BHEL HR circular the daily wage rate is Exclusive of Holidays, Leave Wage ,PF & ESI, Bonus, PPE's and uniform. All overtime payments shall be @ two times the daily wage.

Daily Wage rates from 01.10.2012 (revision likely in Apr. & Oct. in every year)

U.S.W: Rs.359.65 per day Inclusive of weekly off.

S.S.W: Rs.393.30 " "

S.W : Rs.426.42 " "

i) Leaves and Holidays

- + 12 days paid BHEL holidays per year
- + 18 days paid leaves per year.

ii) P F and E S I contributions wages

PF @ 13.61 % and ESI @ 4.75 % of basic wages should be contributed by the contractor on above daily wages, BHEL holidays and leaves.

iii) Bonus @ 20% on 3500/- per month.

iv) PPE's @3% on daily wage.

v) Two pairs Uniform per year and stitching charges & one summer cap.

Signature of Tenderer

Issuing Officer

Terms & Conditions

1. Penalty Clause: 0.50 % of the value of work or part thereof will be levied for every week delay by the agency subject to a maximum of 10 % value of the work for the above work. Penalty clause will be applicable after one month from the date of last issue of material by BHEL.

2. Terms of payment: 15 days from completion of work.

PAYMENT TERMS:

- a) Payment will be made after verification of records, regarding work done and certified by the concerned authority.
- b) The Contractor shall record the executed work and get it certified by the concerned officials for processing the bills.
- c) Before billing, the Contractor shall show the records of payment of wages to workmen, ESI & PF contribution to the relevant departments. Contractor shall show the proof of providing relevant Personnel Protective Equipments to workmen.

d) Payment to the workers by Contractor to be made on or before 7th day of every month without fail, otherwise suitable action shall be taken at his(Contractor) risks and cost.

3. If the contractor has not quoted in terms of % excess/less over the unit rate clearly, it is considered as incomplete offer and offer will be rejected.

4. All BHEL general conditions of contract are applicable to this work.

5. In case

- There is any difference in the quoted % in figures and words, evaluation of tender will be based on percentage mentioned in words.
- In case more than one contractor quotes equal L1 rates further sealed price bids will be obtained from L1 tenderers to decide L1. Under no circumstance revised rate should be more than the original quoted rate.

6. The department reserves the right to cancel the works contract without assigning any reason there for even after awardal, if the contractor is unable to meet specific requirement of the contract whole or partial.

7. The quantities required by department shall be executed by contractor during contract period.

8. Distribution of work based on tender priority(Splitting of Contract);

Oder will be placed on technically suitable lowest vendor (L1 vendor) for 50% of work. Out of balance 50% of work, 30 % will be given to second contractor and 20% will be given to third contractor subject to acceptance of L1 rates by second and third contractors. Other vendors will be considered in order of tender priority, in case second and third contractors do not accept the L1 rates. In case other contractor not accepted L1 rates, total work will be given (100%) to L1contractor based on BHEL requirements.

9. Service tax as applicable will be paid by BHEL.

10. The contractor shall ensure deployment of adequate machines and man power as required for the work and suggested by Engineer-in-charge

Signature of Tenderer

ISSUING OFFICER

Note:

1. The quantities shown above are approximate and liable for variation.
2. All BHEL General Conditions of the Contract shall be applicable.
3. Any statutory increase in the labour wages during the period of execution shall be borne by the agency. The agency shall quote the rates considering the possible labour wage escalation also.
4. The agency should **affix his signature at the end of each page of these documents and supporting documents(enclosed by agency) with Rubber Seal.**
5. The rates quoted shall be for finished items of work including all lifting ,shifting from below and above ground and other incidental charges mentioned in the General Conditions of the Contract.
6. The contractor should follow all the safety precautions while executing the work.
7. The contractor or his authorised representative shall be always present at the work site.
8. The contractor shall submit the daily progress report of the works assigned by Engineer-in-charge.
9. The contractor should deploy his men who should not be less than 18 (eighteen) years age.
10. All the bills of contractors will be cleared by Finance Department subject to production of “Clearance Certificate” by the contractors in respect of compliance of all statutory requirements, issued by I R section of Human Resource Department.
11. All the materials brought inside are to be entered at CISF gates and supplied to site by contractor for using in works.

Signature of Tenderer

ISSUING OFFICER

PRICE BID

TENDER NOTICE NO. HY/DGM/OT-04/2013-14 DT: 16-04-2013

Name of work:: Steam turbine piping works in 01 shop.

A. TEST PIT PIPING C.S.NON X RAY

Sl.No	Pipe Size	Unit	Total Joints	Rate/Joint	amount
1	1/2"	No's	7130	62.88	448334.40
2	3/4"	No's	3330	94.32	314085.60
3	1"	No's	8045	123.14	990661.30
4	1 1/2"	No's	2933	146.72	430329.76
5	2"	No's	2460	170.30	418938.00
6	3"	No's	2340	254.14	594687.60
7	4"	No's	3065	280.34	859242.10
8	6"	No's	895	538.62	482064.90
9	8"	No's	890	660.86	588165.40
10	10"	No's	720	825.12	594086.40
11	12"	No's	620	1016.12	629994.40
12	18"	No's	516	1719.00	887004.00
13	20"	No's	344	1986.40	683321.60
14	32"	No's	276	3138.00	866088.00
Total amount (A)					8787003.46

B. GOVERNING OIL & CONSOLE PIPING SS NON X RAY

Sl.No	Pipe Size	Unit	Total Joints	Rate/Joint	amount
1	1/2"	No's	7485	131.00	980535.00
2	3/4"	No's	2855	178.16	508646.80
3	1"	No's	880	233.18	205198.40
Total amount (B)					1694380.20

C. S.S.BENDS

Sl.No	Pipe Size	Unit	Total Joints	Rate/Joint	amount
1	1/2"	No's	4340	131.00	568540.00
2	3/4"	No's	1480	178.16	263676.80
Total amount (C.)					832216.80

D. Preparation activities

S.No	Activity	Unit	Qty.	Rate/Qty.	Amount
1	Girder alignment and platform preparation	Kg's	210505	7.85	1652464.25
2	Cleaning & Preservation	Sq.m	4135	72.15	298340.25
3	Collection of Parts & Cleaning During Assembly & Testing	Hrs.	7980	72.15	575757
4	Painting	Sq.m	2020	78.48	158529.6
5	Steam blowing				
a	1"	No's	820	123.14	100974.8
b	4"	No's	114	280.34	31958.76
c	6"	No's	668	538.62	359798.16
6	Piping works				

a	Supervisor	Hrs.	1775	101.77	180645.30
b	Fitter	Hrs.	3552	84.81	301245.12
c	Helper	Hrs.	3552	72.15	256276.8
				Total amount (D)	3915990.04

E.IBR JOINTS FOR 150MW

S. No.	DESCRIPTION	WELDING DETAILS	Unit	Total Joints	Rate/ Joint	AMOUNT
1	MS HOUSING ASSEMBLY	Φ 293 X Δ 56.5 mm	No's	4	10983.00	43932.00
2	BLANKING DEVICE	Φ 80 X Δ 18.5 mm	No's	2	1934.40	3868.80
3	HRH HOUSING	Φ496X Δ46.5	No's	10	15167.00	151670.00
4	HRH STEAM STRAINER	Φ 80 X Δ 18.5mm	No's	5	1934.40	9672.00
					Total amount(E)	209142.80

F. NON X RAY CS PIPE JOINTS FOR 150MW

S. No.	DESCRIPTION	WELDING DETAILS	Unit	Total Joints	Rate/ Joint	AMOUNT
1	Assembly for fixing LP Guide. (Left)	Φ 273.1 X12.7X Δ15.10	No's	2	1623.50	3247.00
2	Assembly for fixing LP Guide. (Left)	ROD Φ 10 x Δ 6	No's	40	52.40	2096.00
3	Assembly for fixing LP Guide. (Right)	Φ 273.1 X12.7X Δ15.10	No's	2	1623.50	3247.00
4	Assembly for fixing LP Guide. (Right)	ROD Φ 10 x Δ 6	No's	40	52.40	2096.00
5	Pipe for Anchoring	Φ 168.3 x 18.3 x Δ 22	No's	2	993.20	1986.40
6	Guide Bolt	ROD Φ 200 x Δ 14	No's	8	534.80	4278.40
7	MS HOUSING ASSEMBLY	Φ 223 X Δ 15 (BLIND PLATE)	No's	4	1298.80	5195.20
8	HRH HOUSING	Φ 407 X Δ 15 (BLIND PLATE)	No's	10	1986.40	19864.00
9	PIPE	Φ 88.9 x 5.49	No's	14	254.14	3557.96
10	PIPE	Φ 114.3 X 4.5	No's	6	264.62	1587.72
11	JOINT PLATE	Δ19X8420	No's	1	4049.20	4049.20
		Δ12X2440	No's	1	628.80	628.80
12	HP EXH. INSERT (FAB)	3.INSERT TO BLIND PLATE Φ 510 x Δ9	No's	1	1680.80	1680.80
		4. REDUCER TO BLIND PLATE Φ 510XΔ9	No's	1	1680.80	1680.80
		6. INSERT TO CLAMPING PLATE 70XΔ10mm-8sides 20XΔ10mm-8sides	No's	4	78.60	314.40
			No's	4	26.20	104.80
13	SPLASH OIL DUCT	1. PIPE TO PLATE Φ 14 X Δ 2 X 2 - 16 Sides.	No's	64	62.88	4024.32

		2.PLATE $\Phi 580 \times \Delta 2 \times 2$	No's	8	764.00	6112.00
14	BLANKING DEVICE	PIPE TO BLIND PLATE $\Phi 50 \times \Delta 12 \text{ mm}$	No's	2	314.40	628.80
14	PIPE PROTECTION FOR COMPENSATORS DN 350	BELLOW TO RING $\Phi 344 \times 10\text{mm}$	No's	2	2750.40	5500.80
		RING TO PIPE $\Phi 324 \times 10 \text{ mm}$	No's	1	2750.40	2750.40
15	PIPE PROTECTION FOR COMPENSATORS DN 700	BELLOW TO RING $\Phi 697 \times \Delta 10\text{mm}$	No's	4	5539.00	22156.00
		RING TO PIPE $\Phi 677 \times \Delta 10 \text{ mm}$	No's	2	5539.00	11078.00
16	BELLOW TO CASING OUTSIDE DN 350	BELLOW TO OUTER RING $\Phi 364 \times \Delta 10\text{mm}$	No's	2	3667.20	7334.40
		CASING TO BELLOW $\Phi 344 \times \Delta 10\text{mm}$	No's	1	3438.00	3438.00
17	BELLOW TO CASING OUTSIDE DN 700	BELLOW TO OUTER RINGS $\Phi 717 \times \Delta 10\text{mm}$	No's	4	6417.60	25670.40
18	BRACKET FOR HSG VIB. PROBE	$\Delta 5 \times 92$	No's	1	157.20	157.20
19	BRACKET FOR HSG VIB. PROBE	$\Delta 5 \times 92$	No's	1	157.20	157.20
20	OUTER CASING TO BLINDFLANGE FOR PT	$\Phi 265 \times \Delta 15\text{mm}$	No's	1	1680.80	1680.80
21	OUTER CASING TO BLINDFLANGE FOR PT	$\Phi 740 \times \Delta 15\text{mm}$	No's	2	3743.60	7487.20
22	HRH STEAM STRAINER	(BLIND PLATES) $\Phi 80 \times \Delta 5$	No's	5	235.80	1179.00
Total amount(F)						154969.00

G. AS pipe joints for 150 MW

S.NO	DESCRIPTION	WELDING DETAILS	Unit	Total Joints	AS X-Ray/ Non X-Ray	Rate/ Joint	Amount
1	Distance Ring	$\Delta 20 \times 110$ (PL 25x 1288 x110 mm)	No's	2	X-RAY	1528.00	3056.00
2	Distance Ring	$\Delta 20 \times 190$ (PL 25x 1288 x190 mm)	No's	2	X-RAY	1719.00	3438.00

3	HP EXH. INSERT (FAB)	1.INSERT TO FLANGE OD-773,ID-684 THICKNESS-44.5 mm	No's	1	X-RAY	5334.60	5334.60
		2.REDUCER TO INSERT Φ 560 X 25 mm	No's	1	X-RAY	3208.80	3208.80
		5. INSERT TO SOCKET Φ 48.3 X 4 mm	No's	1	NON-X-RAY	146.72	146.72
4	PIPE ELEMENT CHIMNEY STEAM	Φ 88.9 X 5.49 X Δ 5 P4	No's	12	X-RAY	379.90	4558.80
5	PIPE ELEMENT GLAND STEAM	Φ 114.3 X 6.02 X Δ 5	No's	12	X-RAY	421.82	5061.84
6	HP-IP CASING ASSLY(WITH OLVW) LOWER CASING INTER-CONNECTION PIPING ASSLY	LEFT SIDE- RIGHT SIDE- Φ 88.9 X 7.6	No's	8	X-RAY	468.98	3751.84
		PIPE TO CASING(LEFT &RIGHT) Φ 76X 4	No's	4	X-RAY	395.62	1582.48
7	HP-IP CASING ASSLY(WITH OLVW) UPPER CASING INTER-CONNECTION PIPING ASSLY	LEFT SIDE- RIGHT SIDE- Φ 88.9 X 7.6	No's	9	X-RAY	468.98	4220.82
		PIPE TO CASING(LEFT &RIGHT) Φ 76X 4	No's	4	X-RAY	395.62	1582.48
8	HP OVERLOAD VALVE ASSLY	PIPE TO REDUCER Φ 200 X 36 mm	No's	2	X-RAY	1680.80	3361.60
		CASING TO PIPE Φ 200 X 42.5 mm	No's	2	X-RAY	1833.60	3667.20
		REDUCER TO BLIND PLATES Φ 131X 15 mm	No's	2	NON-X-RAY	916.80	1833.60
9	IP VALVE CASING ASSEMBLY EXE-I a.NIPPLES b.CONNECTION c.DIFFUSER & d.VALVE SEAT LOCKING PINS WELDING	Φ 455 X Δ 25mm	No's	6	X-RAY	2062.80	12376.80
		Φ 70 X Δ 10mm	No's	54	NON-X-RAY	262.00	14148.00
		Φ 90 X Δ 10mm	No's	54	NON-X-RAY	314.40	16977.60
10	IP VALVE CASING ASSEMBLY EXE-I I a.NIPPLES b.CONNECTION c.DIFFUSER & d.VALVE SEAT LOCKING PINS WELDING	Φ 455 X Δ 25mm	No's	6	X-RAY	2062.80	12376.80
		Φ 70 X Δ 10mm	No's	54	NON-X-RAY	262.00	14148.00
		Φ 90 X Δ 10mm	No's	54	NON-X-RAY	314.40	16977.60
11	OUTER CASING UPPER PART TO PIPE 8"	Φ 273.1 X 6.35X Δ 6.35mm	No's	1	X-RAY	1237.68	1237.68

12	HP VALVE CASING ASSEMBLY EXE-I a.NIPPLES b.CONNECTION c.DIFFUSER & d.VALVE SEAT LOCKING PINS WELDING	Φ 290 X45X Δ 46mm	No's	1	X-RAY	2292.00	2292.00
		Φ 70 X Δ 10mm	No's	9	NON-X-RAY	262.00	2358.00
		Φ 90 X Δ 10mm	No's	9	NON-X-RAY	314.40	2829.60
13	HP VALVE CASING ASSEMBLY EXE-I I a.NIPPLES b.CONNECTION c.DIFFUSER & d.VALVE SEAT LOCKING PINS WELDING	Φ 290 X45X Δ 46mm	No's	1	X-RAY	2292.00	2292.00
		Φ 70 X Δ 10mm	No's	9	NON-X-RAY	262.00	2358.00
		Φ 90 X Δ 10mm	No's	9	NON-X-RAY	314.40	2829.60
14	HP BRG. PEDESTAL a.JACKING OIL LINE b.TURNING GEAR LINE c.HYDRO MOTOR PIPING	PIPE Φ 13.5 X2.2mm,	No's	5	NON-X-RAY	39.30	196.50
		Φ 21.3 X2.77mm	No's	14	NON-X-RAY	62.88	880.32
15	LP FRONT BRG PEDESTAL a.JACKING OIL LINE	PIPE Φ 13.5 X2.2mm,	No's	4	NON-X-RAY	39.30	157.20
		Φ 21.3 X2.77mm	No's	20	NON-X-RAY	62.88	1257.60
16	IP Extraction Insert	Insert to Pipe φ219.1 X Δ 8.18mm	No's	1	X-RAY Joints	725.80	725.80
22		Insert to Socket φ44 X Δ20	No's	1	NON-X-RAY	262.00	262.00
		Insert to Blind flange φ202.7 X Δ 5	No's	1	NON-X-RAY	1146.00	1146.00
						Total amount(G)	152631.88

I. Bolt heating for 150MW

S.No	Description	Total Hours	RATE	AMOUNT
1	HP Inner casing Bolt tightening	60	84.81	5088.6
2	Bolt tightening HP/IP Inner & Outer casing	170	84.81	14417.7
Total amount(I)				19506.3

J. LP Front Bearing Pedestal casing Guide Blade for 150 MW

S.No.	WELDING DETAILS	Unit	Total Joints	Rate/Joint	Amount
1	Δ 60X240mm	No's	8	4401.60	35212.80
2	Δ 30X90mm	No's	8	707.40	5659.20
3	Δ 25X400mm	No's	1	1048.00	1048.00
4	Δ 20X100mm	No's	8	262.00	2096.00
5	Δ 20X120mm	No's	8	314.40	2515.20
Total amount(J)					46531.20

K.Valve block welding

S.No.	WELDING DETAILS	Unit	Total Joints	Rate/Joint	Amount
1	Dia 360x 58.5	No's	2	9473.60	18947.2
2	Dia 219x34.5	No's	4	3361.60	13446.4
3	Dia 242x30	No's	2	2292.00	4584
4	Dia 176x15	No's	4	725.80	2903.2
5	Dia 33x15	No's	8	235.80	1886.4
Total amount(K)					41767.20

L.Steam Strainer Welding for 150 MW

S.No.	WELDING DETAILS	Unit	Total Joint	Rate/Joint	Amount
1	Dia 10XΔ 4	No's	320	52.40	16768.00
2	Dia 10XΔ 6	No's	96	65.50	6288.00
3	Dia 204XΔ6	No's	1	611.20	611.20
4	Dia 204XΔ15	No's	1	1222.40	1222.40
5	Dia 394XΔ6	No's	1	764.00	764.00
6	Dia 394XΔ40	No's	1	1680.80	1680.80
7	Dia 545XΔ12	No's	5	1146.00	5730.00
8	Dia 545XΔ51	No's	5	2444.80	12224.00
Total amount(L)					45288.40

M.Active piping

SI No	WELDING DETAILS	Unit	Total Joints	ALLOY STEEL	Rate / Joint	Amount
1	Φ762 x Δ 9.5	No's	2	X-Ray	3399.80	6799.60
2	Φ273.1 x Δ 6.35	No's	2	X-Ray	1237.68	2475.36
3	Φ248 x Δ 6	No's	1	X-Ray	1413.40	1413.40
4	Φ260.4 x Δ 19	No's	1	X-Ray	1604.40	1604.40
5	Φ168.3 x Δ 7.11	No's	160	X-Ray	809.84	129574.40
6	Φ219.1 x Δ 8.18	No's	16	X-Ray	1337.00	21392.00
7	Φ33 x Δ 6	No's	71	X-Ray	259.38	18415.98
8	Φ21.3 x Δ 5	No's	71	X-Ray	144.10	10231.10
9	Φ48.3 x Δ 6	No's	73	X-Ray	248.90	18169.70
10	Φ21.3 x Δ 3.73	No's	1	X-Ray	94.32	94.32
11	Φ33.4 x Δ 4.55	No's	11	X-Ray	183.40	2017.40
12	Φ 88.9 x Δ 5.49	No's	176	Non X-Ray	254.14	44728.64
13	Φ 95 x Δ 5.49	No's	26	Non X-Ray	314.40	8174.40
14	114.3 x Δ 6.02	No's	403	X-Ray	437.54	176328.62
15	Φ406.4 x Δ 16.7	No's	2	X-Ray	4278.40	8556.80

16	Φ355.6 x Δ 9.55	No's	2	X-Ray	2292.00	4584.00
17	Φ355.6x Δ 7.92	No's	15	X-Ray	1910.00	28650.00
18	Φ 406x Δ 18	No's	2	X-Ray	4966.00	9932.00
19	Φ 219.1x Δ 12.7	No's	2	X-Ray	1386.66	2773.32
20	Φ45x Δ13.2	No's	4	X-Ray	524.00	2096.00
21	Φ273.1 x Δ 12.7	No's	4	X-Ray	1528.00	6112.00
22	Φ355 x Δ 23.83	No's	2	X-Ray	4393.00	8786.00
23	Φ60.3 x Δ 3.91	No's	7	Non X-Ray	170.30	1192.10
24	Φ 62 x Δ 3.91	No's	1	Non X-Ray	183.40	183.40
25	Φ168.3 x Δ 10.97	No's	4	X-Ray	1146.00	4584.00
26	Φ 114.3x Δ 6.02	No's	42	Non X-Ray	280.34	11774.28
27	Φ 88.9 x Δ 15.21	No's	16	Non X-Ray	610.46	9767.36
28	Φ168.3 x Δ 14.3	No's	12	X-Ray	1489.80	17877.60
29	Φ135 x Δ 15	No's	14	X-Ray	1146.00	16044.00
30	Φ219.1 x Δ 20.62	No's	16	X-Ray	1910.00	30560.00
31	Φ173 x Δ 15	No's	16	X-Ray	1604.40	25670.40
Total amount(M)						630562.58

N. Other Activities

			Hrs	Rate /Hr.	Amount
1	PRESSURE TESTING OF STEAM TURBINE COMPONENTS	PT Hours	28656	301.25	8632620.00
2	RAW - MATERIALS For GAS CUTTING AND CLEANING OF STEAM TURBINE COMPONENTS	Supervisor	2800	101.77	284956.00
		Welder	2800	84.81	237468.00
		Grinder	2800	78.53	219884.00
		Cutter	2800	84.81	237468.00
		Helper	5600	72.15	404040.00
3	LIFTING BEAMS VARIOUS PROJECTS IN 01 SHOP	Supervisor	700	101.77	71239.00
		Fitter	700	84.81	59367.00
		Helper	2331	72.15	168181.65
		Painting (in Sqm)	120	78.48	9417.60
4	BEARING PEDESTAL ASSEMBLY FOR 150MW	Fitter	4650	84.81	394366.50
5	BEARING PEDESTAL/HOUSING ASSEMBLY FOR INDUSTRIAL AND DRIVE TURBINES.	Fitter	6985	84.81	592397.85
		Helper	13970	72.15	1007935.50
6	PARTING PLANE COLOUR MATCHING OF STEAM TURBINE COMPONENTS.	Fitter	25310	84.81	2146541.10
7	LP MODULE INNER ASSEMBLY FOR 150 MW	Fitter	3250	84.81	275632.50
		Welder	151	84.81	12806.31

8	DIFFUSERS ASSLY & VALVE CHAMBER COVER MATCHING OF K1401-2 BFP DRIVE TURBINE	Fitter	195	84.81	16537.95
		Welder	104	84.81	8820.24
9	NOZZLES ASSLY. (STEAM CHAMBER)	Fitter	2593	84.81	219884.06
		Welder	662	84.81	56144.22
10	OIL TURBINE NOZZLES ASSEMBLY	Fitter	310	84.81	26291.10
		Welder	90	84.81	7632.90
11	ASSEMBLY OF CONSOLE BASEFRAME	Fitter	405	84.81	34348.05
		Welder	565	84.81	47917.65
12	HP & IP VALVE CASING ASSEMBLY, HRH HOUSING ASSEMBLY, MS HOUSING ASSEMBLY & HP OVER LOAD VALVE ASSEMBLY	Fitter	12052	84.81	1022130.12
13	HEAT WORK FURNANCE STRESS RELIVING	Fitter	4669	84.81	395977.89
		Helper	2331	72.15	168181.65
14	VALVE STAND, VALVE BRACKET, CONSOLE, VALVE COVER, FRONT PLATE, SPLASH OIL DUCT, BASE PLATE	Fitter	469	84.81	39775.89
		Supervisor	469	101.77	47730.13
		Welder	469	84.81	39775.89
		Grinder	469	78.53	36830.57
		Helper	938	72.15	67676.70
15	MISCELANEOUS WORKS LIKE FOR CLEARING OF REPAIRS, NCR'S AND EMERGENCY REQUIREMENTS etc.	Fitter	3000	84.81	254430.00
		Supervisor	1500	101.77	152655.00
		Welder	4500	84.81	381645.00
		Grinder	3000	78.53	235590.00
		Helper	3000	72.15	216450.00
				Total Amount(N)	18230746.02

Total value of work(A+B+C+D+E+F+G+H+I+J+K+L+M+N)=Rs.3,47,60,735=88(Excluding of service tax)

TENDER %	IN WORDS	FIGURES
EXCESS		
LESS		

CONDITION: a. The tenderers are required to quote their percentage in figs and words over the Estimate rates.

b. The above offered % age by tenderer is proportionately applicable for all item rates.

Steam turbine