

PRE QUALIFICATION CRITERIA

SUBJECT: R N M OF ELECTRO HYDRO TURBINE CONTROL (EHTC) BASED ON TRIPPLE MODULE REDUNDANCY (TMR) AND OVER SPEED PRPTECTION CONTROL FOR 3 UNITS, 27 MW, OF IOCL PANIPAT

Tender No. : CHD/IOCL/CNI/15_048 Date : 03/08/2015

SL. NO	PRE QUALIFICATION CRITERIA	Bidders claim in respect of fulfilling the PQR Criteria
		Name and Description of qualifying criteria
A	Submission of Integrity Pact duly signed. (if applicable)	Not Applicable
B	Assessment of Capacity of Bidder to execute the work as per clause assessment of capacity of NIT (if applicable)	Not Applicable
C	TECHNICAL CRITERIA	Applicable
	<p>Bidder who wish to participate should have executed, during last Seven years, as on the date of opening of Technical Bid Control & Instrumentation (C&I) work in the construction of industrial/infrastructural projects as per the following:</p> <p>(a) One single work of similar nature valuing INR 32 LAC or above "OR"</p> <p>(b) Two works of similar nature valuing each of INR 20 Lacs or above "OR"</p> <p>(c) Three works of similar nature valuing each of INR Rs 16 Lacs above</p>	
D	FINANCIAL CRITERIA	Applicable
D.1	<p>TURNOVER</p> <p>Tenderers should have an average annual turnover minimum of INR 12 Lacs of last three Financial Years (2011-2012, 2012-13 & 2013-14). Bidders shall submit audited annual accounts (balance sheets and profit & loss account) in support of this.</p>	
D.2	<p>NETWORTH</p> <p>Net worth of the Bidder based on the latest Audited Accounts as furnished for 'D.1' above should be positive.</p>	
D.3	<p>PROFIT</p> <p>Bidder must have earned cash profit in any one of the three Financial Years as applicable in the last three years defined in 'D.1' above based on latest Audited Accounts.</p>	
E	<p>APPROVAL OF CUSTOMER (IF APPLICABLE)</p> <p>Note: Names of bidders who stand qualified after compliance of criteria A to D shall be forwarded to customer for their approval.</p>	Not Applicable

	Price bid of only those bidders shall be opened who are approved by customer	
F	Consortium criteria (if applicable)	Not Applicable
Explanatory Notes for QR 'C'		
1.	For QR C above the word 'Executed' means the bidder should have achieved the criteria, specified in the QR, even if the total contract has not been completed or closed.	
2.	For QR C value of work is to be updated as per the PVC formula of GCC with, indices for 'All India Avg. Consumer Price index for industrial workers' (i.e 'K' in this case shall be 80%) with base month as date of execution (completion of contract/work) and indexed up to two months prior to bid opening month. This condition will be applicable only for the completed jobs and not for the jobs in progress, as on date of technical bid opening.	
3.	If the Qualifying work is executed in the last seven years period, as specified above, even if it has been started earlier, the same will also be considered meeting the qualifying requirements.	
4.	For QR, Similar Nature Means: 1) Control & Instrumentation (CI) work for BTG/GT or CI work consisting of DCS/DDC/Station C&I in a power plant. or 2) Execution of atleast one contract of CI work consisting of DCS/DDC/Station C&I in any industry with its executed value of Rs 30 Lakhs or more.	
5.	Relevant documents, meeting above requirements at C and D shall be submitted by bidders. Bidder to submit Audited Balance Sheet and Profit and Loss Account for the respective years as given above along with all annexure.	

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TRIPPLE MODULE REDUNDANCY (TMR) AND OVER SPEED
PRPTECTION CONTROL FOR 3 UNITS, 27 MW, OF IOCL PANIPAT**

Tender No. : CHD/IOCL/CNI/15_048 Date : 03/08/2015

**NAME AND DESIGNATION OF OFFICERS WHO WILL RECEIVE THE TENDER
DOCUMENT**

**MR. L. N. Parihar
AGM (S) / RSM(NOIDA)
BHEL;PSNR,
BHEL-RSC-NOIDA, 4TH FLOOR, PLOT NO. 7, ADVANT NAVIS BUSINESS
PARK,
SECTOR-142, NOIDA EXPRESS WAY,
NOIDA - 201305.
Phone: 0091-120- 6748105, MOBILE : 09868127298
E-MAIL : lnp@bhelpsnr.co.in**

**MR. V.K. RAI
Sr. DGM (S) / HEAD (SCT & COMML.)
BHEL;PSNR,
BHEL-RSC-NOIDA, 4TH FLOOR, PLOT NO. 7, ADVANT NAVIS BUSINESS
PARK,
SECTOR-142, NOIDA EXPRESS WAY,
NOIDA - 201305.
Phone: 0091-120- 674-8116,
MOBILE : 09958022991
E-MAIL : vkrai@bhelpsnr.co.in**



ISO 9001-2000, ISO 14001
and OHSAS 18001 certified
company
SubContract and Purchase
Deptt.

Bharat Heavy Electricals Limited
(A Govt. Of India Undertaking)
Power Sector ~ Northern Region,
BHEL- RSC -NOIDA, 4TH FLOOR,
PLOT NO. 7, ADVANT NAVIS BUSINESS PARK,
SECTOR-142, NOIDA EXPRESS WAY,
NOIDA - 201305.
Email: vkrai@bhelsnr.co.in/lnp@bhelsnr.co.in

DOMESTIC NOTICE INVITING TENDER

LAST DATE OF SALE: 17/08/2015 15:00 (IST)

LAST DATE OPENING: 17/08/2015 15:30 (IST)

NIT NO. / NAME OF WORK
Tender No. : CHD/IOCL/CNI/15_048 Date : 03/08/2015
Sealed tender are invited from the contractors fulfilling qualifying requirements for "R N M OF ELECTRO HYDRO TURBINE CONTROL (EHTC) BASED ON TRIPPLE MODULE REDUNDANCY (TMR) AND OVER SPEED PRPTECTION CONTROL FOR 3 UNITS, 27 MW, OF IOCL PANIPAT "

NOTE:

1. Please visit our website at www.bhel.com and <http://eprocure.gov.in> for details of NIT including Qualifying requirement.
2. Tenders Not Accompanied with full Earnest Money Deposit of Rs.1,00,000.00 By pay order or Demand Draft will not be considered. However, tenderers who have already deposited one time EMD of Rs.200000.00 with SCT-BHEL-PSNR are exempted from depositing EMD with this tender.

V.K. Rai
3/8/15

DGM (SCT & COMML.)RSC/NOIDA)

FOR OFFICIAL USE ONLY
NOT FOR PUBLICATION

TENDERER'S COPY
ORIGINAL COPY

TENDER SPECIFICATION

TENDER NO.- CHD/IOCL/CNI/15_048

FOR

**R N M OF ELECTRO HYDRO TURBINE CONTROL (EHTC) BASED ON
TRIPPLE MODULE REDUNDANCY (TMR) AND OVER SPEED PRPTECTION
CONTROL FOR 3 UNITS, 27 MW, OF IOCL PANIPAT.**

PART I – TECHNICAL BID



Bharat Heavy Electricals Limited

(A Govt. Of India Undertaking)

Plot No. 7 , 4th floor ADVANT NAVISH BUSINESS PARK

SECTOR-142, NOIDA TO GR-NOIDA EXPRESS WAY,

Noida-201305, Distt-Gautam Budh Nagar (UP)



ISO 9001-2000, ISO 14001
and OHSAS 18001 certified
company
SubContract and Purchase
Deptt.

Bharat Heavy Electricals Limited
(A Govt. Of India Undertaking)
Plot No. 7 , 4th floor ADVANT NAVISH BUSINESS PARK
SECTOR-142, NOIDA TO GR-NOIDA EXPRESS WAY,
Noida-201305, Distt-Gautam Budh Nagar (UP)
Phone: 0091-0120-6748105 / 6748116
Fax 091-0120-2515438 / 2515467
Email: vkrai@bhelnsnr.co.in/lmp @bhelnsnr.co.in

TENDER NO.- CHD/IOCL/CNI/15_048

IMPORTANT NOTE

PURCHASER OF THIS TENDER DOCUMENT IS ADVISED TO CHECK AND ENSURE COMPLETION OF ALL PAGES OF TENDER DOCUMENT AND REPORT ANY DISCREPANCY TIMELY FOR CORRECTIVE ACTION, IF ANY, TO THE ISSUING AUTHORITY BEFORE THE BIDS ARE SUBMITTED. ORIGINAL COPY OF TENDER DOCUMENT COMPLETE IN ALL RESPECTS MUST BE SUBMITTED BACK AS PART OF THE BID WITHOUT WHICH THE SAME IS LIABLE TO BE REJECTED BY BHEL.

THIS TENDER SPECIFICATION ISSUED TO:

M/s-----



ISO 9001-2000, ISO 14001 and
OHSAS 18001 certified
company SubContract and
Purchase Deptt.

Bharat Heavy Electricals Limited
(A Govt. Of India Undertaking)
Plot No. 7 , 4th floor ADVANT NAVISH BUSINESS PARK
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DUE DATE FOR OPENING: 17/08/2015 15:30(IST)

NIT NO. / NAME OF WORK
TENDER NO.- CHD/IOCL/CNI/15_048 Sealed tender are invited from the contractors fulfilling qualifying requirements for <u>"R N M OF ELECTRO HYDRO TURBINE CONTROL (EHTC) BASED ON TRIPPLE MODULE REDUNDANCY (TMR) AND OVER SPEED PRPTECTION CONTROL FOR 3 UNITS, 27 MW, OF IOCL PANIPAT"</u>

NOTE:

1. Please visit our website at www.bhel.com and <http://eprocure.gov.in> for details of NIT including Qualifying requirement.
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V.K. Rai
3/8/15

Sr. DGM (SCT & COMML.)



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TENDER NOTICE

SUB: R N M OF ELECTRO HYDRO TURBINE CONTROL (EHTC) BASED ON TRIPPLE MODULE REDUNDANCY (TMR) AND OVER SPEED PRPTECTION CONTROL FOR 3 UNITS, 27 MW, OF IOCL PANIPAT

TENDER NO.- CHD/IOCL/CNI/15_048 Date : 03/08/2015

Offers are invited from the Vendors in sealed envelopes as per terms and conditions enclosed and GSCC and Q.R (Qualifying Requirements) indicated in the following paras, clauses of this notice.

NOTES:

- (i) The Tender Documents comprise of following;
 1. Tender Notice
 2. Technical Bid (Annexure-B) and Price bid (Annexure-C)
 3. GSCC
 4. Scope of work (Section -III)
 5. Qualifying Criteria (Annexure-D)
- (ii) Tender Documents with complete details are hosted in this web page. Bidder(s) intending to participate may download the tender document from the web site.
- (iii) Bidder(s) can also purchase hard copy of tender documents from this office. Tender documents (non transferable) will be issued on all working days between 09.30 Hrs. to 15.00 Hrs within the sale period i.e upto 17/08/2015.
- (iii) Tenders must be submitted to the undersigned latest by 15:00 Hrs. on 14/07/2015. Technical bids shall be opened at 15.30 Hrs. on 17/08/2015 .
- (iv) Earnest Money Deposit (EMD) : Refundable, Non-interest bearing EMD of Rs 1,00,000/- shall be deposited by Account Payee Pay Order 'OR' Demand Draft in favour of " Bharat Heavy Electricals Limited" payable at Delhi/NOIDA . Those bidders who have already deposited ' One Time 'EMD' of Rs. 2,00,000/- with BHEL, PSNR, NOIDA need not submit EMD with the present tender.
- (v) Tenders not accompanied with Full Earnest Money Deposit, as indicated above, will not be considered.
- (vi) All corrigenda, addenda, amendments and clarifications to this Tender will be hosted in this web page and not in the newspaper. Bidders shall keep themselves updated with all such amendments.
- (vii) BHEL reserves the right to accept or reject any or all tenders without assigning any reason whatsoever.

- (viii) BHEL takes no responsibility for any delay/loss of documents or correspondences sent by courier/post.
- (ix) Contractor shall ensure use of only calibrated Inspection, Measuring & Testing equipment confirming traceability to national standards. Valid calibration certificates shall accompany these IMTEs.
- (x) The rates should be valid for a period of six months from the date of opening tender. The rates should be quoted both in figures and words. Please note that if there is mismatch between price given in figures and in words BHEL reserves its right to accept maximum of the two for evaluation, and minimum of the two for award and BHEL's decision in this regard should be acceptable to the party.
- (xi) It is requested that only authorised representative of the tenders attend the tender opening. They should further be available on the same day for any further clarification in the matter, in the office of undersigned.

EMD-amount shall not be adjusted against Bank guarantee.

- (xii) BHEL reserves the right to go for a Reverse Auction instead of Opening the submitted sealed bid, which will be decided after technical evaluation. As such, the bidders should submit their best prices in the 'Sealed Price Bid'. However, bidders are required to confirm their acceptance of "General terms and conditions" governing RA specifically in their technical bid. The "General terms and conditions" governing RA are given below.

GENERAL TERMS AND CONDITIONS OF REVERSE AUCTION (RA)

Against this NIT for the subject work, BHEL may resort to "REVERSE AUCTION PROCESS" i.e., ON LINE BIDDING ON INTERNET. The General Terms and Conditions of the RA shall be as follows;

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. BHEL will inform to the vendor in writing, in case of reverse auction along with the details of Service Provider to enable them to contact & get trained.
4. 'Business rules' like event date, time, Start price, bid decrement; extensions etc. also will be communicated through service provider for compliance.
5. Vendors have to fax the Compliance form in the prescribed format (provided by Service provider) before start of Reverse auction. Without this, the vendor will not be eligible to participate in the event.
6. BHEL will provide the calculation sheet (e.g., EXCEL sheet) which will help to arrive at "Total Cost to BHEL".
7. Reverse auction will be conducted on scheduled date & time.
8. At the end of Reverse Auction event, the lowest bidder value will be known on the network.
9. The lowest bidder has to Fax the duly signed Filled-in prescribed format as provided on case-to-case basis to BHEL through Service provider within 24 hours of Auction without fail.
10. During Reverse Auction, if no bid is received within the specified time, BHEL at its discretion, may decide to revise opening price/scrap the reverse auction process/proceed with conventional mode of tendering.
11. **Sealed bid Reverse Auction:** 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 (In both cases) shall be same as that quoted in their final sealed price bids submitted to BHEL against this NIT along with Technical Bid (Part-I).**
12. BHEL reserves the right to cancel Reverse Auction (RA) without assigning any reasons and resort to considering the sealed bids submitted by vendor for processing and finalizing the tender.
13. Any variation between the on-line bid value and the signed document will be considered as sabotaging the tender process and will invite disqualification of vendor to conduct business with BHEL as per prevailing procedure.

14. 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's standard practice.

15. Bids-given by the bidders during the Reverse Auction process will be taken as an offer to execute the work. Bids once made by the bidder, can not be cancelled/withdrawn and bidders shall be bound to execute the work as mentioned above at the final bid price. Should be bidder (Lowest) back out and not execute the contract as per the rates quoted, BHEL shall take action as appropriate.

Bidders are also required to furnish following details in their techno-commercial bid, for this purpose (RA).

Authorization of representative who will participate in the on line Reverse Auction Process;

- a. Name and Designation of official
- b. Postal Address (Complete)
- c. Telephone Nos. (Land line & Mobile both)
- d. FAX No.
- e. E-mail address
- f. Name of Place/State/Country, wherefrom he will participate in the RA.

(xiii) **Unsolicited rebate / discount shall not be accepted after bid opening.**

V. K. Ravi
3/8/15

DGM (SCT & COMML.)/(RSC/NOIDA)



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PROCEDURE FOR SUBMISSION OF SEALED TENDERS:

The tenderers must submit their tenders as required in **two parts** in separate sealed covers prominently super-scribed as **Part-I Technical bid and Part-II, Price bid** (also indicating on each of the cover tender specification no. date and time as mentioned in tender notice

TECHNICAL BID (COVER-I)

Except **Price bid Part-II**, complete set of tender document consisting of General conditions of Contract, "Technical specifications & Special terms and conditions" (Part-I) issued by BHEL shall be enclosed in **Part-I Technical Bid only**. All schedules, data sheets and details called for in the specification shall be submitted along with Technical bid. All details/Data/Schedules including offer letter duly signed and stamped are to be **submitted in duplicate**.

PRICE BID (COVER-II)

Tenderers may please note that Price bid is **to be submitted only in original copy** of Tender i.e. Price bid (Part-II) issued by BHEL and no duplicate copy of same is required.

These Two separate covers i.e. cover-I & II shall together be enclosed in a **Third envelope (Cover-III)** and this sealed cover shall be superscripted with Tender specification No., due date, time and submitted to officer inviting as indicated in tender notice on or before due date as indicated.

BANK GUARANTEE FOR PAYMENT OF ADVANCE

B.G. No.

Date

This deed of Guarantee made this _____ day of _____ two thousand _____ by _____ (Bank) hereinafter called the "The Guarantor" (which expression shall unless repugnant to the context or meaning thereof be deemed to include its successors and assigns) in favour of M/S Bharat Heavy Electricals Limited a Company incorporated under the Companies Act, 1956, having its registered office at BHEL House, Siri Fort, New Delhi - 110049 through its unit at Power Sector-Northern Region, Noida, Dist. Gautam Budh Nagar, (U.P.) India, hereinafter called "The Company" (which expression shall unless repugnant to the context or meaning thereof be deemed to include its successors and assigns).

WHEREAS M/s. _____ (hereinafter referred to as the Contractor) have entered into a Contract arising out of Letter of Intent no. _____ dtd _____ (hereinafter referred to as "the Contract") for the --< Name of work >-- with the Company.

AND WHEREAS the Contract inter-alia provides that the Company will pay to the Contractor interest bearing advance of Rs. _____ (Rupees _____ only) on certain terms and conditions specified in the Contract subject to the Contractor furnishing a Bank Guarantee for Rs. _____ (Rupees _____ only) in favour of the Company.

AND WHEREAS the Company has agreed to accept a Bank Guarantee from a Bank to cover the said advance.

AND WHEREAS the Contractor has approached the Guarantor and in consideration of the arrangement arrived at between the Contractor and the Guarantor, the Guarantor has agreed to give the Guarantee as hereinafter mentioned in favour of the Company.

NOW THIS DEED WITNESSES AS FOLLOWS:-

- (1) In consideration of the Company having agreed to advance a sum of Rs. _____ (Rupees _____ only) to the Contractor, the Guarantor do hereby guarantee the due recovery by the Company of the said advance with interest thereon as provided according to the terms and conditions of the Contract. If the said Contractor fails to utilise the said advance for the purpose of the Contract and/or the said advance together with interest as aforesaid is not fully recovered by the Company the Guarantor do hereby unconditionally and irrevocably undertake to pay to the Company without demur and merely on a demand, to the extent of the said sum of Rs. _____ (Rupees _____ only) any claim made by the Company on them for the loss or damage caused to or suffered by the Company by reasons of the Company not being able to recover in full the advance with interest as aforesaid.
- (2) The decision of the Company whether the Contractor has failed to utilise the said advance or any part thereof for the purpose of the Contract and / or as to the extent of loss or damage caused to or suffered by the Company by reason of the Company not being able to recover in full the said sum of Rs. _____ with interest if any shall be final and binding on the Guarantor, irrespective of the fact whether the Contractor admits or denies the default or questions the correctness of any demand made by the Company in any Court Tribunal or Arbitration proceedings or before any other Authority.
- (3) The Company shall have the fullest liberty without affecting in any way the liability of the Guarantor under this Guarantee, from time to time to vary any of the terms and conditions of the Contract or extend time of performance by the Contractor or to postpone for any time and from time to time any of the powers exercisable by it against the Contractor and either enforce or forbear from enforcing any of the terms and conditions governing the Contract or securities available to the Company and the Guarantor shall not be released from its liability under these presents by any exercise by the Company of the liberty with reference to the matters aforesaid or by reasons of time being given to the Contractor or any other forbearance, act or commission on the part of the Company or any indulgence by the Company to the Contractor or of any other matter or thing whatsoever which under the law relating to sureties would, but for this provision have the effect of so releasing the Guarantor from its liability under this guarantee.
- (4) The Guarantor further agrees that the Guarantee herein contained shall remain in full force and effect during the period till the Company discharges this Guarantee, subject to however, that the Company shall have no claim under this Guarantee after _____ i.e. (the present date of validity of Bank Guarantee unless the date of validity of this Bank Guarantee is further extended from time to time, as the case may be) unless a notice of the claim under this Guarantee has been served on the Guarantor before the expiry of the said period in which case the same shall be enforceable against the Guarantor notwithstanding the fact that the same is enforced after the expiry of the said period.

- (5) The Guarantor undertakes not to revoke this Guarantee during the period it is in force except with the previous consent of the Company in writing and agrees that any liquidation or winding up or insolvency or dissolution or any change in the constitution of the Contractor or the Guarantor shall not discharge the Guarantor's liability hereunder.
- (6) It shall not be necessary for the Company to proceed against the Contractor before proceeding against the Guarantor and the Guarantee herein contained shall be enforceable against them notwithstanding any security which the Company may have obtained or obtain from the Contractor shall at the time when proceedings are taken against the Guarantor hereunder be outstanding or unrealised.
- (7) Notwithstanding anything contained herein before, our liability under the Guarantee is restricted to Rs. _____ (Rupees _____). Our guarantee shall remain in force until _____, i.e. the present date of validity of Bank Guarantee unless the date of validity of this Bank Guarantee is further extended from time to time. Unless a claim or demand under this guarantee is made against us on or before _____, we shall be discharged from our liabilities under this Guarantee thereafter.
- (8) Any claim or dispute arising under the terms of this documents shall only be enforced or settled in the courts at New Delhi/ Delhi only.
- (9) The Guarantor hereby declares that it has power to execute this Guarantee under its Memorandum and Articles of Association and the executant has full powers to do so on its behalf under the Power of Attorney dated _____ (To be incorporated by the Bank) granted to him by the proper authorities of the Guarantor.

IN WITNESS whereof the _____ (Bank) has hereunto set and subscribed its hand the day, month and year first, above written.

Signed for and on behalf of the Bank

WITNESSES

1. Name & Address

2. Name & Address

Notes:

1. The above BG shall be executed on the non-judicial stamp papers of adequate value procured in the name of the Bank in the state where the Bank is located.
2. The above BG is required to be sent by the executing bank directly to BHEL at the address where tender is submitted /accepted under sealed cover.



ISO 9001/14001/27001,
OHSAS18001 & SA8000

भारत हेवी इलेक्ट्रिकल्स लिमिटेड
(भारत सरकार का उपक्रम)
Bharat Heavy Electricals Limited
(A Govt. of India Undertaking)
पावर सेक्टर-उत्तरी क्षेत्र, नोएडा
Power Sector - Northern Region, NOIDA

To
M/s

BY REGISTERED POST/COURIER/HAND
Ref. No.: CHD/IOCL/CNI/15_048

Date: 03/08/2015

Sub: R N M OF ELECTRO HYDRO TURBINE CONTROL (EHTC) BASED ON TRIPPLE MODULE REDUNDANCY (TMR) AND OVER SPEED PROTECTION CONTROL FOR 3 UNITS, 27 MW, OF IOCL PANIPAT

Dear sir,

1. Offers, are invited as per terms and conditions enclosed and GSCC (given as General and Special conditions for Services page <http://eprocure.gov.in> at Service Tender)
2. Offer should be sent in Separate envelopes for Techno-commercial and Price bids. Offerers distinctive identification (Company Name), tender no. CHD/IOCL/CNI/15_048 due on 17/08/2015 'Techno-commercial' and 'price bid' should be mentioned clearly on cover of each envelope. In case it is holiday on 17/08/2015 the tenders will be opened on next working day.
3. Offer should be free from overwriting. Corrections and additions, if any should be attested. The rates should be quoted for scope as per Annexure A and in line with Annexure B&C Price quoted should be exclusive of SERVICE TAX and after considering CENVAT credit. The service tax, as legally leviable & payable by the contractor under the provisions of applicable law/act, shall be paid by BHEL as per contractor's bill. However, contractor shall have to submit proof of service tax deposited by them immediately after the deposit but not later than the next bill submitted after the due date of deposit. The contractor shall furnish proof of Service Tax registration with Central Excise Division covering the services covered under this contract. Registration should also bear endorsement for the premises from where the billing shall be done by contractor on BHEL for this project.
4. The rates should be valid for a period of six months from the date of opening tender. The rates should be quoted both in figures and words. Please note that if there is mismatch between price given in figures and in words BHEL reserves its right to accept maximum of the two for evaluation, and minimum of the two for award and BHEL's decision in this regard should be acceptable to the bidders
5. The offer should reach this office on or before 15:00 on 17/08/2015. The offer will be opened at 15:30 on same day (In case it is holiday on 17/08/2015 the tenders will be opened on next working day) in presence of such tenderers or their authorised representatives as may be present.
6. Earnest money of Rs. 100000 is to be sent (in cash, Pay Order/ DD) along with the offer in favour of BHEL NOIDA. Adjustment of earnest money submitted with any earlier offer will not be considered. However, bidders who have already deposited "One Time EMD" of Rs. 2, 00,000/-with BHEL, PSNR, NOIDA may be exempted for payment of EMD against subject tender
7. The enclosed scope of work, details out the major activities only. However as per general maintenance requirement and site conditions certain related activities may have to be carried out without any extra cost.
8. BHEL reserves the right to process the tender on reverse auction basis and also the right to award the job to one or distribute the job among one or more contractors. In case it is not agreeable, the party need not quote.
9. It will be in interest of the contractor to visit site before submitting offer to have clear idea about the site conditions.

N.K. Roy
3/8/15

- 10 Time period for completion of job will be 20 DAYS FOR EACH UNIT from the date of commencement of work. However in case inputs for the critical path are not provided by BHEL in time, the completion period shall be extended for the period for which the inputs are not provided. Decision of BHEL in this regard shall be final. Penalty for delay will be AS PER GSCC.
- 11 Terms of Payment:- Payment will be made up to a total of 90% against 3 progress bills of 30% each submitted by the contractor in quadruplicate mentioning the activities completed based on measurement of work done. The bills will be verified by BHEL site engineer and certified by BHEL Resident Engineer for arranging payment. The balance 10% shall be payable after successful completion of the job. All payments are subject to Income-tax deduction at source as per Central Government laws and compliance to all statutory requirements indicating in the NIT.
All payments shall be made through E-payment system. Contractor has to give Bank name, Branch & Account number alongwith the bills as these shall be incorporated in the system.
- 12 BHEL reserves the right to reject a bidder based on their unsatisfactory past performance at any other project in any centre/region.
BHEL is not responsible for tenders/offers lost/delayed in transit/ by post etc. The offers reaching this office after due date and time and/or without earnest money as per item no. 6 above, will not be considered. The offer should also accompany all documents as per clause no. 1 of General And Special terms and conditions of contract.
- 14 The selected contractor will have to mobilise for the job within 3 DAYS of the issue of the letter of intent/ work order/work instruction from RSC.
- 15 Offers not received in line with the tender enquiry are liable to be rejected
- 16 It is requested that only authorised representative of the tenders attend the tender opening. They should further be available on the same day for any further clarification in the matter, in the office of undersigned.
- 17 Successful tenderer will have to submit Security deposit as calculated below before start of work :

a)	<table border="1"> <thead> <tr> <th>Order value</th><th>SD Amount (Rs)</th></tr> </thead> <tbody> <tr> <td>Upto Rs 10 Lakh</td><td>10%</td></tr> <tr> <td>Above Rs 10 Lakhs and upto Rs 50 Lakhs</td><td>Rs 1 Lakh + 7.5% of the amount exceeding Rs 10 Lakhs</td></tr> <tr> <td>Above Rs 50 Lakhs</td><td>Rs 4 Lakh + 5 % of the amount exceeding Rs 50 Lakhs</td></tr> </tbody> </table>	Order value	SD Amount (Rs)	Upto Rs 10 Lakh	10%	Above Rs 10 Lakhs and upto Rs 50 Lakhs	Rs 1 Lakh + 7.5% of the amount exceeding Rs 10 Lakhs	Above Rs 50 Lakhs	Rs 4 Lakh + 5 % of the amount exceeding Rs 50 Lakhs
Order value	SD Amount (Rs)								
Upto Rs 10 Lakh	10%								
Above Rs 10 Lakhs and upto Rs 50 Lakhs	Rs 1 Lakh + 7.5% of the amount exceeding Rs 10 Lakhs								
Above Rs 50 Lakhs	Rs 4 Lakh + 5 % of the amount exceeding Rs 50 Lakhs								

- b) ADDITIONAL SECURITY DEPOSIT (SD) HAS TO BE SUBMITTED BY THE SUCCESSFUL BIDDER WITH VALUE AS FOLLOW:
 " If the final price of successful bidder is lesser by " more than 20% of BHEL's estimate then only, ' Additional Security Deposit' will be required to be submitted by successful bidder with value as follows:
 Additional Security Deposit = 30% of (A-B) will be calculated as below
 A = 80% of BHEL estimate
 B = the final offered price of successful bidder through RA (In case of RA) OR Sealed paper price bid of successful bidder (in case of paper bid)
 This additional SD shall have the same validity as that of the Security Deposit and shall be revalidated /released in the manner as spelt out for the Security Deposit as per relevant clause of GCC. For all SAS jobs, work can be started before security Deposit is collected.
 However, payment can be released only after collection / recovery of initial 50 % security deposit.
- 18 The contractor has to ensure that the staff/ workmen deployed for execution of work uses necessary safety appliances. Surprise checks shall be done by BHEL and in case of non-compliance of above penalty of RS 500/= (five hundred) may be imposed for each case on each occasion of surprise.
- 19 Contractor shall ensure use of only calibrated Inspection, Measuring & Testing equipment confirming traceability to national standards. Valid calibration certificates shall accompany these IMTEs.
- 20 "Code for Safety Management at Services Sites" as detailed in letter no PSNR/RSC-NOIDA/SAFETY dtd 24/12/2001 will have to be accepted by the party for qualifying in Techno-Commercial bid.
- 21 The contractor shall ensure compliance to all statutory requirements including but not limited to EPF deposition, Labour Licence, Insurance under applicable WC act & ESI failing which shall be liable for penal action as deemed by relevant act.

V. K. Rai
3/8/15

- 22 May see "General & Special conditions of contract(GSCC)- for Services jobs" on web page <http://eprocure.gov.in> at Service Tender.
- 23 All payments shall be made through E-payment system. Contractor has to give Bank name, Branch & Account number alongwith the bills as these shall be incorporated in the system
- 24 Tentative date for start of work is 21/08/2015. However the date may change based on shutdown given by customer and this shall not entail the party to revise their price or any other condition of their offer. This factor may be kept in view while quoting.
- 25 PRICE BID OF ONLY THOSE PARTIES WILL BE OPENED WHO QUALIFY IN TECHNO-COMMERCIAL BID. IF DEEMED NECESSARY, CUSTOMER'S APPROVAL SHALL BE TAKEN FOR SHORTLISTING VENDORS BEFORE OPENING OF PRICE BID.
- 26 Offer can also be sent through e-mail at following mail address. In such a case both Part-I and Part-II of the offer should be sent and Offer in two parts must reach before due date and time of submission. Part-II (Price Bid) should be sent as pass word protected. Pass Word shall be communicated by the bidder to the undersigned on the date of price bid opening. Original copy of the offer should be dispatched. EMAIL:-lnp@bhelsnr.co.in
- 27 BHEL reserves the right to initiate the action for suspension of business dealing, if applicable with contractor. The details for the suspension of business dealing guidelines are available on www.bhel.com
- 28 Although subject tender is for three units but while placing the work orders three separate orders shall be issued i.e. one for each unit and work in each unit shall be executed as per availability of shutdown of machine from customer.

Thanking you,

Encl.

1. Scope of work - Annexure A
2. Schedule of rates - Annexure B & C

Yours truly,

V.K. Ravi
3/8/19

Sr. DGM (SCT & Comm.) (RSC/Noida)

TECHNICO-COMMERCIAL BID FOR :

Tender CHD/IOCL/CNI/15_048 dated 03/08/2015

Sub: R N M OF ELECTRO HYDRO TURBINE CONTROL (EHTC) BASED ON TRIPPLE MODULE
REDUNDANCY (TMR) AND OVER SPEED PRPTECTION CONTROL FOR 3 UNITS, 27 MW, OF
IOCL PANIPAT

NAME & ADDRESS	
PAN NO	
Provident Fund	
OFFER NO	
EMD	
VALIDITY OF OFFER	6 Months
COMPLETION PERIOD	20 DAYS FOR EACH UNIT
MOBILISATION PERIOD	3 DAYS
GUARANTEE PERIOD	1 MONTH AFTER THE FINAL COMMISSIONING

Following are enclosed/ certified/accepted as part of Technical bid.

1. Signed copy of NIT along with scope of work. Technical bid (annex. B) and Price bid (annex. C) are enclosed.
2. Code for Safety Management at Services Sites as detailed in letter no PSNR/RSC-NOIDA/SAFETY dttd 24/12/2001 safe work practices issued by PSNR are accepted.
3. Even though offer has been given for a particular unit, it is valid for any Unit of same rating in the same PowerHouse, provided there is no change in activities listed in scope of work.
4. Activity- wise percentage breakup has been indicated against each activity in the scope of work as per Annexure -'A'. In case of reduction in quantum of work at site, payment shall be released only for the activities actually carried out as per the percentage allotted.
5. All documents as required in "DOCUMENTS TO BE ATTACHED WITH BILLS" given in web page www.bhelpsnr.co.in "Service Tender" of BHEL PSNR shall be submitted along with bills.
6. Use of all necessary safety appliances by all the staff/ workmen deployed for execution of work will be ensured. If during surprise checks done by BHEL any non-compliance is observed penalty of RS 500/= (five hundred) may be imposed for each case on each occasion of surprise check.
7. It is certified that all statutory requirements including but not limited to payment of wages, deposition EPF, Labour Licence, Insurance etc governed by the provisions of applicable acts shall be our liability without any extra cost to BHEL. Further without limiting obligations and liabilities provided elsewhere in the contract, BHEL shall be kept harmless and indemnified against all claims, damages and compensations, as well as breach of such requirements. Release of progressive payments shall be subject to, inter alia, compliance to such statutory requirements.
8. If there is mismatch between price given in figures and in words BHEL shall have right to accept maximum of the two for evaluation, and minimum of the two for award.
9. There are no deviations from the NIT and all Terms & Conditions of NIT including those given in "General & Special conditions of contract(GSCC)- for Services jobs" on the web page <http://eprocure.gov.in> of BHEL PSNR are accepted.

Sign of contractor: _____

Date: _____

Seal

PRICE BID FOR :

Tender CHD/IOCL/CNI/15_048 dated 03/08/2015

Sub: R N M OF ELECTRO HYDRO TURBINE CONTROL (EHTC) BASED ON TRIPPLE MODULE REDUNDANCY (TMR) AND OVER SPEED PRPTECTION CONTROL FOR 3 UNITS, 27 MW, OF IOCL PANIPAT

NAME & ADDRESS	:	
OFFER NO.	:	
OFFER DATE	:	

Rate are quoted as below and are exclusive of Service Tax and after considering CENVAT

1.	Lumpsum (LS) price for the entire scope (FOR ALL THREE (03) UNITS) of work as per Annexure-A (inclusive of all consumables,input materials and supervision)	(Amount In Figure) Rs. : (Amount in Words) Rupees :
2.	Extra work rate on per man-hour basis (inclusive of supervision, T&P, consumables and all other costs)	Rs. 60.0 Only
3.	LUMPSUM (LS) PRICE FOR INDIVIDUAL UNIT	(1/3) OF THE QUOTED PRICE AT SL. NO. 1

Sign of contractor:

Date:

Seal

SECTION-I

INSTRUCTION TO TENDERERS

1.	GENERAL INSTRUCTIONS TO TENDERERS
1.1	Submission of Tender.
1.1.1a	The tender shall be sent in sealed cover after superscribing.
	TENDER NO. TENDER DATE & DUE DATE as per NIT
1.1.1a	The tender specification as a whole, duly furnishing following details and signed shall be sent in sealed cover.
1.1.1.1	Earnest Money Deposit.
1.1.1.2	Income Tax & Sales Tax return with acknowledgement
1.1.1.3	Detailed organization chart for manpower resources available with the tenderer and to be employed for the present jobs.
1.1.1.4	Time to be taken for commencement and completion of work.
1.1.1.5	A list of experience as mentioned in the tender document.
1.1.1.6	The details of the present job being handled.
1.1.1.7	Certificate from the bank to establish financial capability of the tenderer.
1.1.1.8	Attested copies of partnership deed, Power of attorney and tenders specifications duly signed as mentioned in the tender documents.
1.1.1.9	Price schedule and other relevant information.
1.1.1.10	PF code allotted by RPFC.
	Note: For more details other clause/ clauses, mentioned elsewhere may also be referred.
1.1.2	<p>The tender shall be addressed to:</p> <p>REGIONAL SERVICE MANAGER BHARAT HEAVY ELECTRICALS LIMITED POWER SECTOR- NORTHERN REGION (SERVICES) HRDI & PSNR. Complex Plot No. 25, Sector- 16A, Noida- 201301 (U.P)</p> <p>Email: anil@bhelspnr.co.in, ssr@bhelspnr.co.in Ph - 0120-2515408;2515410 (direct) 2515469-71 (PABX) FAX - 0120-2515438, 2515467</p>
1.1.3	Tenders submitted by post shall be sent 'REGISTERED POST, ACKNOWLEDGEMENT DUE' and shall be posted with the due allowance for any postal delay. The tenders received after the due date and time of opening are liable to be rejected. Offers received by fax may not be considered unless confirmed in writing by a detailed offer.
1.1.4	Tenders shall be opened by the authorized officer of BHEL at his office at the time and date as specified in the tender notice in the presence of such of those tenderers or their authorized representative who may be present.

1.1.5	The tenderer shall closely peruse all the clauses, specifications and drawings indicated in the Tender Documents before quoting. Should the tenderer have any doubt about the meaning of any portion of the Tender Specifications or find discrepancies or omission in the Drawings or the tender documents issued are incomplete or shall require clarification on any of the technical aspect, scope of work etc., he shall at once contact the authority inviting the tender for clarification before the submission of the tender.
1.1.6	Before tendering, the tenderer is advised to inspect the site of work and the environments and be well acquainted with the actual working and other prevalent conditions, facilities available, position of material and labour. No claim will be entertained later of the ground of lack of knowledge.
1.1.7	Tenderer must fill up all the schedules and furnish all the required information as per the instructions given in various section of the tender specification. Each and every page of the Tender Specifications must be signed and submitted along with the offers by the tenderer in token of complete acceptance thereof. The information furnished shall be complete by itself.
1.1.8	The tenderer shall quote the rates in English language & international numerals. The rate shall be in whole rupees. These rates shall be entered in figures as well as in words. For the purpose of the tender the metric system of units shall be used.
1.1.9	All entries in tender shall either be typed or be in ink. Erasures and overwriting are not permitted and may render such tender liable to summary rejection. All cancellation and insertions shall be duly attested by the tenderer.
1.1.10	Tenderer's offers and remarks and any deviation, shall be with reference to sections and clause numbers given in the tender schedule.
1.2	<p><u>Qualifications of Tenderers :</u></p> <p>Only tenderers who have previous experience in the work of this nature and description detailed in this tender specification are "expected to quote for this work duly detailing their experience along with the offer. Offers from the tenderers who do not have proven and established experience in the field are not likely to be considered.</p>
1.3	<p><u>Data to be enclosed :</u></p> <p>Full information shall be given by the tenderer in respect of following. Non-submission of this information may lead to rejection of the offer/ tender.</p>
1.3.1	<p><u>Financial Status:</u></p> <p>A certificate from the Scheduled Bank to prove his financial capacity/ capability to undertake the work or solvency certificate from the concerned Government authority.</p>

1.3.2	<p><u>Income Tax/ Sales Tax Certificate:</u></p> <p>A certificate of income tax/sales tax verification from the appropriate authority in the forms prescribed there of duly indicating annual turnover. These certificates shall be valid for one year from the date of issue of for the period prescribed there in for all tenders submitted during the period.</p>
1.3.3	<p><u>Previous Experience:</u></p> <p>A statement giving particulars duly supported by documentary evidence of the various services rendered for each similar work by the tenderer indicating the particulars and the value of each work. The site location and the duration and date of completion and also a list of site location and particulars and value of various services that are under progress.</p>
1.3.4	<p><u>Organization Chart:</u></p> <p>The organization pattern that is totally available with him and that will be employed by the tenderer for this work duly indicating the number of supervisors, their qualification and experience in the line, the number of skilled and unskilled persons etc</p>
1.3.5	An attested copy of the Power of Attorney, in case the tender is signed by an individual other than the sole Proprietor, shall also be attached.
1.3.6	<p>In case of an individual :</p> <p>His full name, address and place and nature of business.</p>
1.3.7	<p>In case of Partnership firms :</p> <p>The name of all the partners and their addresses. A copy of the Partnership Deed Instrument of Partnership duly certified by the Notary Public shall be enclosed.</p>
1.3.8	<p>In case of companies:</p> <p>Date and place of registration including date of component certificate in case of public companies (certified copies of Memorandum and articles of association are also to be furnished)</p>
1.3.9	Nature of business carried on by the company and the provision of the Memorandum relating thereof.
1.3.10	Name and particulars including addresses of all the directors and their previous experience.
1.3.11	A list of tools and tackles that the tenderer is having and those that will be used on this job.
1.3.12	In addition to the above, the particulars required in various annexures.
1.4	<u>EARNEST MONEY DEPOSIT</u>
1.4.1	Every tender must be accompanied by the prescribed amount of EMD.
1.4.1.2	Pay Order/ Demand Draft should be payable at Noida/ New Delhi duly pledged in favour of Bharat Heavy Electricals Limited.

1.4.1.1	CASH: The amount should be remitted by the party to the Cashier of Bharat Heavy Electricals Limited, PSNR (Services). Noida and cash receipt issued by him enclosed along with the tender.
NOTE:	<p><u>One time EMD</u></p> <p>Contractors, who are maintaining one time EMD of 1,00,000/= with either of our Regional Service Centers at Delhi, Chandigarh or Varanasi, should Mention in their offers, details of such one time EMD. Therefore, such tenderers need not deposit any additional EMD along with their offers.</p>
1.4.2	Tenders received without Earnest money in full in the manner prescribed above are liable to be rejected.
1.4.3	The Earnest Money Deposit of the successful tenderer will be retained. However, the same may be released as soon as the Security Deposit mentioned under clause 1.8 is furnished.
1.4.4	In case of unsuccessful tenderers, the Earnest Money will be refunded to them within a reasonable time after finalization of the tender/placement of work order.
1.4.5	<p>BHEL reserves the right to forfeit Earnest Money Deposit in case the successful tenderer.</p> <p>a) Fails to start the work as may be indicated in the letter of intent.</p> <p>b) After opening of tender, revokes his tender within the stipulated period or alters his earlier quoted rates/conditions.</p>
1.4.6	No interest shall be payable by BHEL on Earnest Money.
1.5	Authorization & Attestation:
1.5.1	Tender shall be signed by persons duly authorized/ empowered to do so. Certified copies of such authority the relevant documents shall be submitted along with the tenders.
1.6	<p><u>Validity of Offer:</u></p> <p>The rates in the tender shall be cap open for acceptance for a minimum period of six months from the date of opening of tenders. If a tenderer withdraws or revokes his tender or revises the tendered rates or conditions for any item within the aforesaid period his Earnest Money Deposit is liable to be forfeited. In case of Bharat Heavy Electricals Limited calls for negotiations such negotiation shall not amount cancellation or withdrawal of original offer which shall be binding on the tenderers.</p>
1.7	<p><u>Execution of Contract</u></p> <p>The successful Tenderer's responsibility under this contract commences from the date of issue of the letter intent by Bharat Heavy Electricals Limited.</p>
1.8	Security Deposit:
1.8.1	Upon acceptance of tender, the successful tenderer before start of work must deposit the required amount towards security deposit.

1.8.2	The total amount of security deposit shall be as follows.	
	a) In the case of Upto Rs 10 Lakhs work	10% on the quote value
	b) In the case of work costing Rs. 10 Lakhs upto Rs.50 Lakhs	Rs 1 Lakh + 7.5 % of the above 10 Lakhs up to Rs.50 Lakhs
	c) In the case of work costing more than Rs. 50 lakhs	Rs 4 Lakh + 5.0 % of the amount exceeding Rs. 50 Lakhs
1.8.3	<p>Security Deposit may be furnished in any of the following forms</p> <p>a) Cash (as permissible under Income Tax Act)</p> <p>b) Pay Order, Demand Draft in favour of BHEL.</p> <p>c) Local cheques of schedule banks, subject to realization.</p> <p>d) Securities available from post offices such as National Saving Certificates, Kisan Vikas Patras etc. (certificates should be held in the name of contractor furnishing the security and duly pledged in favour of BHEL and discharged on the back</p> <p>e) <u>Bank Guarantee from the Companies Act subject to maximum of 50% of the total security deposit value. The balance 50% has to be remitted either by case or in the other form of security. The Bank Guarantee format should have the approval of BHEL.</u></p> <p>f) <u>Fixed Deposit Receipt issued by Schedule Banks/ Public Financial institutions as defined in the companies Act. The FDR should be in i the name of the contractor, AIC BHEL, duly Discharged on the back.</u></p> <p>g) Security deposit shall not carry any interest.</p> <p>h) <u>In case of small value contracts not exceeding Rs. 10.0 Lakhs and all SAS jobs, work can be started before security deposit is collected. However payment shall be released after recovery of 50% security deposit from first RA bill.</u></p> <p>Acceptance of security deposit against Sl. No. d, e and f above will be subject to hypothecation or endorsement on the document in favour of BHEL. However, BHEL will not be liable or responsible in any manner for the collection of interest or renewal of documents or in any other matter connected therewith.</p>	
1.8.4	If the value of the 'work done at any time exceeds the acceptance agreement value, the Security Deposit shall be correspondingly enhanced and the extra Security Deposit shall be immediately deposited by the contractor or recovered from payments due to him.	
1.8.5	<u>Failure to deposit the security within the stipulated time, may lead to forfeiture of Earnest Money and cancellation of the award of work.</u>	
1.8.6	<u>The Security Deposits should cover upto the period of warranty also.</u>	
1.8.7	If any part of Security Deposit of the contractor is held in the form of approved securities it shall be kept transferred in the name of Bharat Heavy Electricals Limited PS-NR (Services), Noida in such a manner that BHEL shall not be responsible for any depreciation in the value of the security during the currency of the contract.	

1.8.8	BHEL reserves the rights to forfeit Security Deposit in addition to other claims and penalties in the event of the contractor's failure to fulfill any of the contractual obligations or in the event of termination of Contract as per terms and conditions of contract.
1.8.9	Return of Security Deposit: If the contractor duly performs and completes the contract in all respect to the entire satisfaction of BHEL and presents an absolute "No demand certificate" in the prescribed forms and returns properties belonging to BHEL handed over lent or hired by him for carrying out the said works the security deposit will be released to the contractor after deducting all cost or other expenses or other amounts that are to be paid by BHEL under this or other contracts entered into with the contractor only after the satisfactory completion of guarantee period as per clause 2.13.
1.8.10	No interest shall be payable by BHEL on Earnest Money/ Security Deposit or any money due to the contractor by BHEL.
1.9	Rejection of tender and other conditions:
1.9.1	The acceptance of the tender will rest with BHEL which does not bind itself to accept the lowest tender or any tender and reserves to itself full rights for the following without assigning any reasons whatsoever. a) To reject any or all of the tender b) To split up the work amongst two or more tenderers c) To award the work in part d) Either of the contingencies stated in (b) & (c) to modify the time for completion suitably e) To modify the scope of work after mutual agreement.
1.9.2	Conditional and un-witnessed tenders: Tenders containing absurd or unworkable rates and amounts and tender a which are incomplete and otherwise considered defective and tenders not in accordance with the tender conditions, specifications etc. are liable to be rejected.
1.9.3	If a tenderer expires after his submission of eh tender or after the acceptance of his tender. BHEL may cancel such tender at their discretion unless the firm retains its character.
1.9.4	BHEL will not be bond by any Power of attorney granted by the tenderer or changes in the compositions of the firm made subsequent to the execution of the contract. They may however recognize such Power of Attorney and changes after obtaining proper legal advice, the cost of which will be chargeable to the Contractor concerned.
1.9.5	If the tenderer deliberately gives wrong information in his tender. BHEL reserves the right to reject such tender at any stage or to cancel the contract, if awarded and forfeit the Earnest Money Security Deposit.
1.9.6	Canvassing in any form in connection with the tenders is strictly prohibited and the tenders submitted by the Contractor who resorts canvassing are liable to rejection.
1.9.7	Should a tenderer or contractor or in the case of a firm or company of contractors one or more if its partner / Shareholders/ Directions have a relation or relations employed in the capacity of an officer of BHEL, the

	authority inviting tender shall be informed of the fact along with the offer, failing which, BHEL may at its sole discretion, reject the tender or cancel the contract and forfeit the Earnest money , Security Deposit.
1.9.8	The successful tenderer should not be sub- contract the part of complete work detailed in this tender specification / undertaken by him without written permission of BHEL. The tenderer is solely responsible to BHEL for the work awarded to him. Any deviation in this regard will entail termination of such contract by BHEL at their risk and responsibility of the tenderer.
1.9.9	The successful tenderer shall inform/ keep BHEL informed if he has already undertaken any work / is likely to be awarded any job with the same customer with whom BHEL is entering into contract.

SECTION-II

GENERAL TERMS & CONDITIONS OF THE CONTRACT

2.1	<u>Definitions:</u> The following terms and expressions shall have the meaning hereby assigned to them except where the context otherwise requires.
2.1.1	'BHEL' (or B.H.E.L. Ltd) shall mean Bharat- Heavy Electrical Limited a company incorporated under Indian companies Act 1956, having its Registered office at BHEL HOUSE, SIRI FORT, and NEW DELHI. Power Sector - Northern Region (Services), Noida or its Administrative Offices or its Site Engineer or other employees authorized to deal with any matters with which these persons are concerned on its behalf.
2.1.2	"General Manager/ DGM/ IN-CHARGE" shall mean the officer in Administrative charge of BHEL. PS-NR (services) Noida or their other regional office.
2.1.3	"ENGINEER" OR "ENGINEER IN CHARGE" shall mean Engineer deputed by BHEL. The term "SITE ENGINEER" "SITE INCHARGE" "RESIDENT ENGINEER" and "RESIDENT MANAGER" of BHEL at the site as well as the officers in-charge at Noida office.
2.1.4	"SITE" shall mean the place or places at which the plants/ equipments are to be overhauled and services are to be performed as per the specification of this contract.
2.1.5	"CLIENTS OF BHEL" or "CUSTOMER" shall mean the project authorities to whom BHEL is supplying the equipments/ Service.
2.1.6	"CONTRACTOR" shall mean the individual, firm or Company who enters into this Contract with BHEL and shall include their executors, administrators, successors and permitted assigns.
2.1.7	"CONTRACT" or "CONTRACT DOCUMENT" shall mean and include the agreement or work order the accepted appendices of rates. Schedule of quantities, if any and general conditions of contract, the special conditions of contract, instructions to the tenderers, the drawings, the specifications, the special specification, if any, the tender documents are the Letter of Intent/ Accepting Letter issued by BHEL, Any conditions or terms stipulated by the contractor in the tender documents or supporting letters shall not form part of the contract unless specifically accepted in writing by BHEL & incorporated in the agreement.
2.1.8	"GENERAL CONDITIONS OF CONTRACT" shall mean the instructions to tenderers and general conditions of contract pertaining to the work detailed.
2.1.9	"TENDER SPECIFICATION" shall mean the specific conditions, technical specification, appendices, site information and drawing" pertaining to the work for which the tenders are required to submit their offer. Also this will include the specification covered under specifications detailed in NIT of client of BHEL for overhauling, erection, testing and commissioning of

	plant. Individual specification No. will be assigned to each tender specifications.
2.1.10	“TENDER DOCUMENTS” shall mean the general conditions of contract (2.1.8) tender specification (2.1.9)
2.1.11	“LETTER OF INTENT” shall mean the intimation by a letter to the tenderer that tender has been accepted in accordance with provisions contained in that letter. The responsibility of the contractor commences from the date of issue this letter and all the terms & conditions of contract are applicable form the date.
2.1.12	“COMPLETION TIME” shall mean the period by date specified in the acceptance of tender for handing over the overhauled equipment/ plant which are found acceptable by the Engineer being of required standard and conforming to the specification of contract.
2.1.13	“PLANT” shall mean and connote the entire assembly of the plant and equipment covered by the contract.
2.1.14	“EQUIPMENT” shall mean all equipments, machineries, materials, structural, electrical and other components of the plant covered by the contract.
2.1.15	“TEST” shall mean and include such test or tests to be carried out on the part of contractor as are prescribed in the contract or consider necessary by BHEL, in order to ascertained the quality, workman ship, performance, and efficiency of the contract work or part thereof
2.1.16	“APPROVED”, “DIRECTED” or “INSTRUCTED” shall mean approved directed or instructed by BHEL.
2.1.17	“WORK OF CONTRACT WORK” shall mean and include supply of all categories of labour, specified consumable, tools & tackles required for complete and satisfactory site transportation, handling, stacking, storing, overhauling, erecting, testing and commissioning of the equipment to he entire satisfaction of BHEL.
2.1.18	“SINGULAR AND PLURAL ETC” words carrying singular number shall also include plural and vice versa, where the context so requires, words importing the masculine gender shall be taken to include the feminine gender and words importing persons shall include any company or association or body of individuals, whether incorporated or not.
2.1.19	“HEADING”, The headings in these general conditions are solely for the purpose of facilitating reference and shall not be deemed to be part there or of the contract.
2.1.20	“MONTH” shall mean calendar month.
2.1.21	“WRITING” shall include any manuscript, type written or printed statement under the signature of deal as the case may be.
2.2	Law governing the contract and court Jurisdiction: The contract shall be governed by the law for the time being in force in the

	Republic of India
2.2.	<p><u>Law governing the contract and court Jurisdiction:</u></p> <p>The contract shall be governed by the law for the time being in force in The Republic of India. The Civil Court, having ordinary original civil jurisdiction in Delhi shall alone have exclusive jurisdiction in regard to all claim in respect of this contract.</p>
2.3	<p><u>Issue of Notice:</u></p> <p>The contractor shall furnish to the BHEL Engineer the name, designation and address of his authorized agent and all complaints, notices, communications and reference shall be deemed to have been duly given to the Contractor if delivered to the contractor his authorized agent or left at or posted to the address either of the contractor or of his representation and shall be deemed to have been so given in the case of posting on the day on which they would have reached such address in the ordinary course of post or on which they were so delivered of / or left.</p>
2.4	<p><u>Use of Land:</u></p> <p>No land belonging to BHEL or their customer under temporary possession of BHEL shall be occupied by the contractor without the t written permission of BHEL.</p>
2.5	<u>Commencement of work:</u>
2.5.1	The contractor shall commence the works within the time indicated in the letter of intent from BHEL and shall proceed with due expedition without delay.
2.5.2	If the successful tenderer fails to start the work within the stipulated time, BHEL, at its sole discretion will have the right to cancel the contract. His Earnest Money and / or Security Deposit with BHEL will stand forfeited without any further reference to him, prejudice to any and all of BHEL's other rights and remedies in this regard.
2.5.3	All the works shall be carried out under the direction and to the satisfaction of BHEL.
2.5.4	The erected/ overhauled plant or work performed under the contract shall be taken over when it has been completed in all respects and/ or satisfactory put into operation at site.
2.6	<u>Mode of payment and measurement of the work competed:</u>
2.6.1	All payment due to <u>the contractor shall be paid only by “ Account payee cheques” or through ECS (Electronic Clearance).</u>
2.6.2	The contractor shall submit his bill to site In-charge of BHEL for every payment After verification measurement shall be certified by the BHEL Engineer.
2.6.3	Lump sum omission will be entered for deduction. Measurement shall be

	restricted to that for which it is required to ascertain the financial liability of BHEL under this contract,
2.6.4	Work which is to be measured in detail shall be measured as per standard procedure without reference to any local procedures exception where it is otherwise stated in the tender documents. The measurement shall be taken jointly by persons duly authorized on the art of BHEL and the contractor.
2.6.5	If, at any time due to any reason whatsoever, it becomes necessary to re-measure, the contractor shall without extra charges, provide all the assistance with appliances and other things necessary for measurement.
2.6.7	The measurement and the bill prepared shall be signed and dated by both the contracting arties.
2.6.8	The contractor will be intimated in writing by the Site Engineer, the proposed date of measurement if the Contractor's representative fails to participate in the joint measurement, the BHEL Engineer shall have the power to proceed by himself to take measurement in which case the measurement shall be accepted by the contractor as final.
2.6.9	Passing of measurement as per bills does not amount to acceptance of completion of the work mentioned. Any left out work has be completed if pointed out at a later date by BHEL.
2.7	<u>Rights of BHEL:</u> BHEL reserves the following rights in respect of this contract without entitling the contractor for an compensation:
2.7.1	To get the work done through other agency at the risk and cost of the contractor in the event of contractor's poor progress, or inability to progress the work for completion as stipulated in the contract, poor quality of work etc. and to recover compensation for such losses from the contractor including BHEL's supervision charges and overheads from security deposit other dues.
2.7.2	To withdraw any portion of work and / or to restrict/ alter the quantum of work as indicate din the contract during the Progress of work and get if done through other agency and or by departmental labour to suit BHEL's commitment to its customer or in case BHEL decides to advance the date of completion due to other emergency reasons BHEL's obligation to its customer.
2.7.3	To terminate the contract after 15 days written notice and forfeit security deposit and recover the loss sustained in getting the balance work done through other agencies in addition to liquidated damages in the event:
2.7.3.1	Contractor's continued poor progress brought to his notice from time to time
2.7.3.2	Withdrawal from or abandonment of the work before completion of the work.
2.7.3.3	Corrupt act of contractor.
2.7.3.4	Insolvency of the contractor and in case of a company a winding up

	proceeding is initiated or winding up order has been made by a court.
2.7.3.5	Persistent disregard to the written instructions of BHEL under the contract.
2.7.3.6	Assignment, transfer, sub-letting of the contract without BHEL's written permission.
2.7.3.7	Non-fulfillment of any contractual obligations. Any delay in works for reasons not attributable to the contractor will have to be compensated by either increasing manpower and resources or by working extra hours and more than one shift without any extra cost.
2.7.4	To recover any money due from the contractor, from any money due to the contractor under this contract or any other contract or from the security deposit.
2.7.5	To claim compensation for losses sustained including BHEL's supervision charges and overheads on termination of contract and to impose penalty for delay in completion of the work.
2.7.6	To terminate the contract or to restrict the quantum of work and pay for the portion of work executed in case BHEL's contracts with their customers are terminated for an reason.
2.7.7	To effect recovery from the amounts due to the contractor under this or any other contract etc. in any other form, the money, BHEL is forced to pay to anybody, due to contractor's failure to fulfill nay of his obligations.
2.7.8	While every endeavor will be made by BHEL they cannot guarantee uninterrupted work due to conditions beyond their control. Contractor will not be entitled to any compensation / extra payment on this account.
2.7.9	In the event of any dispute of any nature, the decision of BHEL shall be final and binding on the contractor.
2.8	<u>Responsibilities of the Contractor:</u> The following are the responsibilities of the contractor in respect of observation of local laws, employment of personnel. Payment of taxes an execution of job etc.
2.8.1	As far as possible, unskilled workers shall be engaged from the local area in which the work in being executed.
2.8.2	The contractor at all times during the continuance of the contract, shall, in all his dealing with local labour for the time being employed or in connection with the work, have due regard to all local festivals and religions and other customs.
2.8.3	The contractor shall duly comply with all state and central Laws, statutory rules, Regulations etc, including but not limited to : The payment of wages act, minimum wages act, workmen compensation act, industrial dispute act, employees provident fund act and various schemes framed there after. Employee state insurance scheme contract labour (regulation & abolition) act 1970 and other Act, rules & regulations for labour as may be enacted by the government during the tenure of the contract and having force or jurisdiction at site. The contractor shall give to

	the local governing body, Police and other relevant authorities all such notices as may be required by law
2.8.4	The contractor shall pay all taxes, fees, license charges duties, tools, royalty, commission or charges which may be leviable on account of his operations in executing the contract, in case, BHEL makes such payment, shall have the right to recover the same from the contractor either from his bills or otherwise as deemed fit.
2.8.5	The contractor shall be responsible for provision of welfare, health and sanitary arrangements (particularly described in contractor Labor (regulation & abolition Act) safety precautions etc. as may be required for safe and satisfactory execution of the contract.
2.8.6	The contractor shall fulfill all his obligations in respect of accommodation including proper medical facilities for the personal employed by him.
2.8.7	The contractor shall be responsible for the proper behavior at site and observance of all regulations by the staff employed by him.
2.8.8	The contractor shall ensure that no damage is caused to any person/property or other parties working at site, if any such damage is caused it is the responsibility of the contractor to make good the losses or compensate for the same.
2.8.9	All the properties / equipments/ components of BHEL / their client loaned to the contractor, with or without deposit in connection with the contract shall remain the properties of BHEL / their client. The contractor shall use such properties for the purpose of executions of this contract. All such properties / equipments shall be deemed, to be in good condition when received by the contractor unless he notifies within 48 hours to the contrary. The contractor shall return them in good condition as and when required by BHEL / their client. In case of non-return, loss, damages, repairs etc. the cost there of, as may be fixed by the site Engineer, will be recovered from the contractor.
2.8.10	It is not obligatory on the part of BHEL to supply any tools and tackles or other materials other than those specifically agreed to do so by BHEL. However, depending upon the availability / possibility, BHEL's customer's handling equipment and other plants may be made available to the contractor on payment of the hire charges free of charges as fixed, subject to the condition laid down by BHEL customer from time to time. Unless paid in advance, such hire charges, if applicable shall be recovered from contractor's bill security deposit in ONE installment.
2.8.11	The contractor shall not be entitled to claim any compensation due to changes in design which results in reduction in quantum of work.
2.8.12	The contractor shall fully indemnify BHEL against all claims of whatsoever nature arising during the course of work under the contract.
2.8.13	In case the contractor is required to undertake any major work outside the

	scope of this contract, the rates payable shall be decided by BHEL.		
2.8.14	The contractor shall keep the area of work clean and shall remove debris etc. while executing day-to-day work. Upon completion of work the contractor shall remove from the vicinity of work all scrap, packing materials, rubbish, unused and other materials and deposit them in places to be specified by the BHEL engineer. The contractor will also demolish all the hutments, sheds offices, constructed and used by him and shall clean the debris. In the event of his failure to do so the same will be arranged to remove by BHEL. The expense there of will be recovered from contractor by any lawful means available with BHEL.		
2.8.15	The contractor shall arrange and coordinate his work in such a manner as to cause no inconvenience to other agencies working in the area.		
2.8.16	All safety rules and codes applied by the client / BHEL at site shall be observed by the contractor without exception. The contractor shall be responsible for the safety of the equipment / material and work to be performed by him and shall maintain all light, fencing guards, signs etc. or other protection necessary for the purpose. Contractor shall also take such additional precautions as may be indicated from the time to time by the Engineer with a view to prevent pilferage, accidents, fire hazards and due precautions shall be taken against fire hazards and atmospheric condition. Suitable number of clerical staff, watch and wards, store keepers to take care of the equipment, materials and construction tools and tackles shall be posted at site by the contractor till completion of the work under this contract.		
	The contractor shall arrange for such safety device as are necessary for such type of work and carryout the requisite tests of handling equipment, lifting tools, tackles etc. as per prescribed standards and practices. All guide lines as mentioned in “SALARY CODE” –Service “mentioned in Services tender page in www.bhelpsnr.co.in will form part of this tender and hence contract.		
	HELMETS Following colors of Helmets are to be worn by various category of personnel of the contractor. In case of violation, found during inspection of fine of Rs. 500/- per inspection can be imposed by BHEL.		
	S.No.	Category	Color of Helmet
	1.	Sub-contractor officers	Light Blue
	2.	Sub-contractor Safety personnel	Green
	3.	Sub-contractor Electrician	Orange
	4.	Sub-contractor- Supervisors	Dark / blue
	5.	Sub-contractor Workers	Yellow
	It should confirm to IS-2925-1984		

2.8.17	<p>The contractor will be directly responsible for payment of wages to his workmen. The payment to the workmen should be made in the presence of a representative of BHEL (as per contract labour / regulation & abolition act). A pay / wage roll sheet giving all the payments given to workers and duly signed by the contractor's representative should furnish to BHEL site office for record purpose.</p> <p>Payment date, time and place will be informed by the contractor to the Resident Manager / Engineer of BHEL immediately on commencement of work.</p>
2.8.18	The intent of specification is to provide services according to most modern and proven techniques and codes. The omission of specific reference to any method requirement of material necessary for the, proper and efficient performance of work shall not relieve the contractor of the responsibility of providing such facilities to complete the work.
2.8.19	In case of any clause of the work for which there is no such specification as laid down in the contract, such work shall be carried, out in accordance with the instructions and requirements of the BHEL Engineer.
2.8.20	No levy or payment or change made or imposed shall be impeached by reason or any clerical error or by reason of any mistake in the amount levied or demanded or charged.
2.8.21	The detailed drawings, specifications, instruction manual, if any available with the BHEL Engineer form part of tender specification. These documents will be made available for reference only to the contractor during execution of work.
2.8.22	Should any error or ambiguity be discovered in the specification, the contractor shall forthwith bring the same to the notice BHEL before commencement of work? BHEL's interpretation in such cases shall be final and binding on the contractor.
2.8.23	No idle labour charges will be admissible in the event of any stoppage caused in the work resulting in contractor's labour being rendered idle due to any cause or reason whatsoever.
2.8.24	Unless stipulated in the contract/order, No over run charges shall be paid in the event of the completion period being extended for any reason whatsoever.
2.8.25	It is possible that some repair/rectification, modification may be needed on the equipment to be overhauled /work to be performed under the specification, for reasons not attributable to the contractor. All such repair / rectification/ modification work with the available facilities at site shall be carried out by the contractor free of cost and no extra charges shall be paid to the contractor.

2.8.26	The quality and progress of work will be regularly reviewed. The schedule and progress of work will be the obligation/responsibility of the contractor to achieve the desired quality and progress of work by suitably reinforcing their labour force and / or by working extra hours or in more than one shift without any extra cost. Workmen found unsuitable for the work will be replaced immediately by the contractor on being informed by BHEL
2.8.27	During the overhauling work under the contract it is very essential that proper and adequate inspection should be made constantly to maintain the quality of workmanship so that any deviation from design dimension does not exceed permissible limit. The proper functioning of the unit. While in operation depends to a great extent on the above factors. The fact that effective supervision and inspection at the execution stage is less costly than down time of running unit even for a short period need not be over emphasized. For the details regarding alignment and permissible dimensional deviations in the subassemblies, BHEL Engineer may be consulted.
2.8.28	The contractor shall furnish weekly labour report showing name classification. The number of employees engaged in various categories of work data wise and a progress report of work as required by BHEL Engineer. The contractor shall also furnish weekly report of overtime work performed by his workers by name, indicating overtime hours of each worker date-wise
2.8.29	The contractor shall execute the work in the most substantial and workman-like manner in stipulated time. Accuracy of work and timely execution are the essence of this contract. The contractor shall be responsible to ensure that the assembly and workmanship conform to the dimensions and clearances given in the drawings and / or as per instructions of BHEL Engineers.
2.8.30	The contractor shall take all reasonable care to protect materials and work till such time the plant / equipment has been taken over fencing and lighting shall have to be provided by the contractor as a safety measure against accident and damage of property of BHEL/ their client. Suitable caution notices shall be displayed where access to any part may be deemed to be unsafe and hazardous.
2.8.31	It will be the responsibility of the contractor to ensure safe lifting of the equipment taking due precautions to avoid any accidents and damage to other equipments and personnel.
2.9	<p><u>Consequences of cancellation:</u></p> <p>Whenever BHEL exercises its authority to terminate the contract/withdraw a portion of work under the clause 2.7 they may complete the work by any means at the contractor's risk and expense provided that in the event of the cost of completion (as certified by the site Engineer which is final and conclusive) being less than the contract cost, the advantage shall accrue to BHEL and if the cost of completion exceeds the money due to the contractor</p>

	under the contract the contractor either shall pay the excess amount ordered by BHEL or the same shall be recovered from the contractor by any other means. This will be in addition to the forfeiture of security deposit and recovery of liquidated damages as per relevant clauses.
2.9.1	In case BHEL completes the work under the provision of this condition, the cost of such completion to the contract or under this condition, shall consist of materials purchase and / or labour, provided by BHEL with an addition of such percentage to cover supervision and establishment charges as may be decided by BHEL.
2.10	<u>Insurance:</u>
2.10.1	BHEL / their customer shall arrange for insuring the materials / properties of BHEL / Customer covering the risks during transit, storage, overhauling, erection and commissioning.
2.10.2	It is the sole responsibility of the contractor to ensure his workmen against accident and injury while at work as required by relevant rules and to pay compensation, if any, to workmen as per Workmen's compensation Act. Contractor shall ensure his staff against accidents. The work will be carried out in protected area and as per the rules and regulations of the client / BHEL, in the area of project which are in force from time to time, will have to be followed by the contractor.
2.10.3	If due to negligence and / or non-observance of safety and other precautions, any accident / inquiry occurs to any other person or public, the Contractor shall have to pay 'necessary compensation and other / expenses, if so decided by the appropriate authorities.
2.10.4	If due to contractor's carelessness, negligence or non-observance of safety precautions damage to BHEL's or customer's property and/or personnel should occur, and if BHEL or Customer is unable to recover, in full, cost from the Insurance company the balance will be recovered from the Contractor.
2.11	<u>Strikes & Lockouts:</u> The contractor will be fully responsible for all the disputes and other issues connected with his labour. In the event of contractor's labour resorting to lockout and if the strike or lockout declared is not settled within a period of one week BHEL shall have the right to get the work executed employing its own labour or through any other agencies or both and the cost so incurred by BHEL, shall be deducted from the contractor's bills as per clause 2.7. For all purposes whatsoever that employees of the contractor shall not be deemed to be in the employment of BHEL.
2.12	<u>Force Majeure:</u>
2.12.1	The following shall amount to force majeure: Acts of God. Acts of any Government, War sabotage, riots, civil commotion, police action, revolution, flood, fire, cyclones, earth-quake and epidemic and other similar causes over which the contractor has no control.

2.12.2	<p>If the contractor suffers delay in the due execution of the contractual obligations due to delays caused by force Majeure as defined above, the agreed time of completion of the job covered by this contract or the obligations of the Contractor shall be extended by a period of time equal to the period of delay provided that on the occurrence of any such contingency the contractor immediately reports to BHEL in writing the cause of delay. The contractor shall not, however, be eligible for any compensation,</p>
2.13	<p><u>Performance Guarantee:</u></p> <p>The contractor shall guarantee against defects attributable to faulty workmanship or procedure adopted in the overhaul for items covered in the contract for a period as given in the tender document from the 1 date of re-commissioning of the set after the capital overhaul. The guarantee shall cover all defects notified during this period and shall I have to be attended to free of cost immediately of at the time our clients are able to given shut down of the set for the required period, when necessary. In case of failure of contractor to attend to the defects, as and when required, in time. BHEL shall arrange to attend the defects and the charges shall be levied to contractor's account and shall be recoverable from the security deposit/ progress payments</p>
2.14	<p><u>Arbitration:</u></p> <p>All disputes or differences between the parties to the contract arising out or in relation to the contract, other than those for which the decision of the Engineer or of any other person is by the contract expressed to be final and conclusive, shall after written notice by either party to the contract to other party be referred to sole arbitration of General Manager of BHEL or his nominee, the arbitration shall be conducted in accordance with the provisions of the INDIAN ARBITRATION AND CONCILIATION ACT 1996 OR REVISION THEREOF> The arbitrator shall give reasons for the award.</p> <p>The parties to the contract understand and agree that it will be no objection that the said General Manager or the person nominated by him as arbitrator, had earlier in his official capacity to deal directly or indirectly with the matters to which the contract relates or that in the course of his official duties had expressed views on all or any of the matters in dispute of difference. The award of the arbitrator shall be final and binding on the parties to this contract.</p> <p>In the event of the arbitrator dying, neglecting or refusing to act or</p>

	<p>resigning or being unable to act for any reason. It shall be lawful for the said GM, or his successor, as the case may be, either to act himself as the Arbitrator or to appoint another in place of the outgoing arbitrator in the manner aforesaid.</p> <p>The arbitrator may from time to time, with consent of both the parties to the contract, enlarge the time for making the award.</p> <p>Work under the contract shall be continued during the arbitration.</p> <p>The venue of arbitration shall be the place from where the contract / work order is issued or such other place as the arbitrator at his discretion may determine.</p>
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SECTION-III

SPECIAL CONDITIONS OF CONTRACT

3.1	<u>Quantum of work</u>
3.1.1	The scope of work given in the tender specification is only approximate and is liable to variation and alterations at the discretion of BHEL Resident Engineer. No compensation on this account shall be payable to the contractor unless specifically recommended by Resident Engineer as the variation forming major additions to the original scope of work. All repair/rectification work arising out of normal wear and tear, seizure of parts etc. have to be done by the scope of work of the contract.
3.1.2	The scope of work details out the major activities only. However as per the general maintenance requirement and site condition, certain relation activities may be carried out by the contractor without any extra cost.
3.2	<u>Commencement and completion work:</u>
3.2.1	<p>The starting time and completion time is the essence of the tender. As the time bound program is firmly committed to customer the starting time and completion time should be strictly adhered to. It will not be possible to grant extension in completion time except in extra ordinary circumstances which will be decided entirely at the discretion of BHEL Resident Engineer. Work should normally be carried out in two shifts and sometimes also in three shifts in consultation with the BHEL Resident Engineer.</p> <p>A detailed program of the various activities covered under this contract with specific time periods to fall in the overall frame work of the above dates should be prepared and got approved by BHEL Resident Engineer. The progress against this program shall be reviewed with BEL Resident Engineer at the end of each day and critical areas identified and suitable steps taken in time.</p> <p>If during the review, at any stage of overhauling. BHEL Resident Engineer feels that the delays are not likely to be made up. BHEL reserve the right to take corrective steps as considered necessary by BHEL Resident Engineer to complete work in schedule time and debit the cost incurred there on to the contractor. This does not however absolve the contract of own efforts in consultation with BHEL Resident Engineer. Every endeavor will be made to see that work proceeds uninterruptedly.</p>
3.2.2	The tenderers should indicate the time required for starting the work once the letter of intent is issued along with the time required for completion. The work may have to commence immediately after opening of the tenders. Hence, preference may be given to those tenders who can commence the

	<p>work earlier, and also ensure early completion.</p> <p>The tenderers should indicate the time required for starting the work once the letter of intent is issued along with the time required for completion. The work may have to commence immediately after opening of the tenders. Hence, preference may be given to those tenders who can commence the work earlier, and also ensure early completion.</p>
3.2.3	The contractor shall ensure completion of the job in all respects within the days from the date of commencement of work as given in contract.
3.3	<u>Penalty for delay :</u>
3.3.1	<p>If not mentioned otherwise in the notice inviting tender, in the event of failure to complete the work in given time, an amount equal to 1/2 % of the contract value per day subject to maximum of 10 % of the contract value will be levied as penalty, in case the balance work is allowed to be completed by the contractor beyond the scheduled time of completion, which is at the discretion of BHEL. In case of delays on contractor's part, at any stage during the scheduled period or after, BHEL shall have the option of ensuring completion of the job by any other means at its disposal and the charges on this account shall be levied on the contractor. These shall be adjusted against contractor's bills or security deposit.</p>
3.4	<u>Terms of payments</u>
3.4.1	<p>If not mentioned otherwise in the notice inviting tender, payment will be made up to a total 90 % against three progressive bills of 30 % each submitted by the contractor in quadruplicated mentioning the allotted and completed percentages of the activities.</p> <p>On the basis of completed measurement of work done, the bills will be verified by BHEL Site Engineer and certified by BHEL Resident Engineer to arrange payment. Balance 10 % shall be payable after successful completion of job.</p> <p>All payments are subject to income tax deduction at the applicable rates of the bill amount at source or as per Central Government Laws; No request for advance payment will be entertained by BHEL.</p> <p>BHEL reserves the right to withhold payment in case terms and conditions as per contract are not fulfilled by the contractor.</p>
3.5	<u>Inspection and completion or work:</u>
3.5.1	<p>The work being carried out by contractor will be supervised and inspected by our site engineers under the overall supervision of BHEL Resident Engineer.</p> <p>The work will be deemed as completed when it is finally accepted by BHEL Resident Engineer and job completion certificate is issued. No extra payment will be made for any rework carried out by the contractor to rectify any defective work.</p>

3.5.2	The contractor shall not be entitled for labour idling charges under any circumstances.
3.6	Tools, Tackles, Test Equipments and Consumables:
3.6.1	Unless otherwise mentioned in the notice inviting tender, all tools and tackles and consumables required for day to day work like gases, gas cutting sets with accessories, AC/ DC welding sets, TIG welding kits, welding cables, electrodes etc. all necessary power connection to equipment, all temporary electrical connection boards, required for the work shall be arranged by the contractor at his own cost.. However in case of emergency, BHEL may supply certain items, if available, to contractor at actual cost plus handling charges; These will be deducted from contractor's running bills, T&P shall be regularly tested by the contractor to ensure that the same is available in fit condition for use. Testing equipment for conducting various tests, during the progress of overhauling/ commissioning shall have to be provided by the contractor. Spare parts going into permanent installation shall only be provided by BHEL.
3.7	<u>Accommodation for site staff and store space:</u>
	Contractor has to arrange for the stores and office at site and' its maintenance. Space for the same shall be made available as per the availability at site. The contractor shall be responsible to provide all necessary facilities, like residential accommodation with sanitary facilities transport, electricity, water medical, bonus etc. as required under various labour laws and statutory rules and regulations framed there under to the personnel employed by him. BHEL assumes no liability in this regards.
3.8	Responsibilities of the contractor
3.8.1	Supervisory staff and labour: The contractor shall employ, specially skilled labour, supervisors and engineers thoroughly conversant with particular type of 'work to ensure quality work. BHEL reserves the right to insist on removal of any employees of the contractor at any time if they find him unsuitable and the contractor should forthwith remove him and provide a suitable substitute.
3.8.2	<u>Planning and Execution:</u> Contractor shall submit a job planning in form of a Bar Chart or PERT chart. A list of manpower category -wise, indicating individual's responsibility job/ activities - wise, shall have to be submitted. Daily program of job shall be displayed on a board near work site one day in advanced. A daily progress report along with Manpower utilized has to be submitted and backlog of the work, if any, shall be covered up in consultation with BHEL Resident Engineer.
3.8.3	<u>Safety and Accident Coverage</u> Contractor shall ensure safety of all his employees at site of work. All employees shall be covered by insurance (workman compensation) against accident, failing which proper action will be taken against the contractor.

	Contractor shall also ensure proper safety of the equipments under overhauling by deputing personnel to guard the equipments round the clock.. Open oil spaces, steam space shall be covered properly against ingress of foreign material while working.
3.8.4	<p><u>House keeping and preservation:</u></p> <p>Work floor/ area shall be cleaned every day and be kept absolutely clean. A regular cleaning gang may be engaged for the purpose.</p> <p>All dismantled components of the equipments under overhauling should be tag marked and be stored properly according to type of components, namely all loose / small parts shall be kept in boxes bearing and matching components, shall kept on wooden planks. A list of such components shall be maintained to identify/locate, be preserved properly against probable damages. No floor shall be damaged by the contractor while working and necessary steps shall be taken, in case any such damages take place.</p>
3.8.5	<p><u>Tools stores consumables:</u></p> <p>Tools & tackles other than special tools and tackles supplied along with the equipment, shall be arranged and stored properly by the contractor. A register must be maintained and updated regularly.</p> <p>All consumables, other than those going permanently into the equipments, shall be stored by the contractor for daily use. Regular check shall be made at end of each day's work and exhausted consumables shall be replenished immediately.</p> <p>The contractor's store may be visited by BHEL engineers without notice to contractor for verification.</p>
3.8.6	<p>The contractor shall make all necessary arrangement to receive spares from BHEL/ customer's stores, and when required. The unused and scrap materials shall be returned to BHEL/ Customer's stores on completion of the work.</p> <p>A detailed account shall be submitted by the contractor to this effect at the end of the work certifying no dues remained against them duly signed by Resident. Engineer BHEL / Customer.</p>
3.9	<u>General</u>
3.9.1	Standard printed conditions if enclosed with the offer by the tenders will not considered but only if stated in main body of the offer will be considered for acceptance.
3.9.2	It will be responsibility of the contractor to carry out trial run of all the equipments overhauled and confirm the satisfactory operation of equipment. The contractor's personnel shall be present at the time of final commissioning and attend to any defects that shall occur during this time at no extra cost to BHEL.
4.0	Information Security Of PSNR
4.0.1	The contractor shall ensure that the drawing, documents used during execution of contract are kept strictly confidential. The contractor shall ensure that the information confidentiality integrity and availability are

	maintained as per business equipments. The information shall not under any circumstances, be used in any form with any other agency or for any purpose other than that for which it is intended.
4.1	Social Accountability
4.1.1	PSNR is committed to follow the social accountability in line with SA 8000. The contractor shall duly follow the same during the tenure of execution of the contract.
4.1.2	The Contractor shall not employ any employee less than 15 years of age in pursuant to ILO convention. If any child labour were found to have been engaged, the contractor shall be levied with expenses of bearing his education expenditure which will include stipend to substantiate appropriate education or employ any other member of family enabling to bear the child education expenditure.
4.1.3	The contractor shall not engage Forced/ Bonded Labour and shall abide by abolition of Bonded labour system (Abolition) Act, 1976
4.1.4	The contractor shall maintain Health & Safety requirement as stipulated in the contract and contract labour (Regulation & Abolition) Act, 1970
4.1.5	The contractor shall abide UN convention w.r.t Human Rights and shall be liable for Discrimination / Corporal punishment for failure in meeting with relevant requirements.
4.1.6	The contractor shall abide the requirement of Contract labour (Regulation & Abolition) Act 1970 for working hours.
4.1.7	The Contractor shall abide by the Statutory requirement of Minimum Wages Act 1948 payment of Wages Act 1936.
5.0	Past Performance
	BHEL reserve the right to reject a bidder based on their unsatisfactory past performance at any other project.
6.0	SERVICE TAX
6.1	"Price quoted shall be exclusive of service tax. The service tax, as legally levyable & payable by the contractor under the provisions of applicable law' / act, shall be paid by BHEL as per contractor's bill. However, contractor shall have to submit proof of service tax deposited by them immediately after the deposit but not later than the next bill submitted after the due date of deposit. The contractor shall furnish proof of service tax registration with Central Excise Division covering the services covered under this contract; Registration should also bear endorsement for the premises from where the billing shall be done by contractor on BHEL for this project.

SCOPE OF WORK FOR R&M OF EHTC (TMR BASED) & OVER SPEED PROTECTION CONTROL

PART: A

Dismantling of existing pro control panels, control desks and Erection, Testing and Commissioning of following equipment for C&I DCS R&M job This scope of work is for one unit.

Sr.No.	Description	Qty. (No)
1	EHTC (TMR) Controls comprising of following Electronic System cabinets	
1.1	Three panels i.e CJJ01, CJJ02, CJJ03 Approx size of one panel 750X460X2175(in mm)	No. of panels : 03
1.2	Human Machine Interface (HMI) comprising of : Operator Work Stations (24" TFT) The operator's work stations will be mounted in operator's Desk to be located in Main Control Room	2 Nos.
1.2.1	Engineer's Station cum Storion cum maxLINK PC	1 No
	Max LINK Station (24" TFT) in computer room.	1 No
	Ethernet switches & other hardware, UTP cables and necessary accessories for above and Network Encloser	1 No
	Color Laser Printer, A4 size	1 No
1.3	Erection & commissioning of Earthing Pit for electronic earthing along with arrangement of all materials like copper plates, GI rod, charcoal etc. Two point Earthing of panels, JB's etc is to be carried out including its cabling works.	2 No
1.4	Machining job on STG for mounting of new speed probes.	6 Speed probes
	Laying & termination of new & old Cables for all 03 panels supplied by BHEL.	
	a) Cables of DCS and between DCS cabinets	
	b) Cables between DCS and marshalling cabinets	
	c) Cables between DCS panel to relay panel. (Laying and termination of screened Signal Cables of 16P, 12P, 8P, 4P, 0.5, 1, 1.5, 2.0 Sq.mm)	
	d) Cables between DCS panel and 24 V Battery System	
	e) Cables between DCS Panel and UPS	
2	f) Cables between field instruments to DCS Panels	As per site requirement.
	g) Cables between Switchgear / MCC to Marshalling Cabinet and from Marshalling Cabinet to DCS Panel	
	h) Cables from DCS cabinets to other third party systems	
	i) Network cables (RJ 45) from N/W Panel to DCS Panels inside conduit.	
	Note: - Unused cables which will replace with new will be remove from the cable tray and shifted to the location identified by IOCL PANIPAT.	


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2.3	Junction boxes installation and fixing in field and their earthing.	05
2.4	Making Cut-outs in existing dash board for accommodating new consoles , TTT computers and restoring to original by wiring, ferruling, termination, glanding & painting etc.	As per requirement for 3 panels and one set of HMI.
2.5	Erection of ladder/ perforated type Cable trays.(50mm-75mm -100 mm-150 mm)	Max up to 500 mts

NOTE:

- The quantities indicated above against each item may vary as per the actual engineering/requirement to complete the work.
- 1 Set means any number of panels supplied by BHEL for the said system
- No. of new TMR panels to be installed will be 03.
- EHTC means electro hydro turbine control.
- TMR means triple module redundancy.


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SITE EXECUTION (FOR ERECTION & COMMISSIONING) SHALL BE AS FOLLOWS
(ONLY INDICATIVE BUT NOT EXHAUSTIVE)

(A.) Dismantling of Panels and Control Desks:

1. Dismantling of all existing pro control P13/4 panels. This will include removal of existing EHTC control panels, identification of existing termination of field instruments, removal of terminated field cables inside the existing panel. Controls DCS panels, Marshalling Cabinets, Relay Panels and removal of interconnecting cables with proper identification, tagging, ferruling, and bunching of cables.

(B.) Transportation and Handling:

1. Transportation of dismantled panels, control desks, operator's desks to temporary storage area and subsequently to central stores as per IOCL guidance.
2. Transportation of new maxDNA panels (as dispatched by BHEL) from storage yard to control room on TG Floor with use of proper lifting tools.
3. Removing the electronic modules from the panels, putting in covers and transporting to Central Stores or any other suitable place as identified by IOCL.

(C.) Mounting and Erection

1. Mounting, alignment and erection of new maxDNA panels (the number of panels as dispatched by BHEL), marshalling cabinets, Relay Cabinets, Units with necessary civil works fabrication etc. Frame fabrication, grouting, hole enlargement in base frame (if required) etc
2. Mounting and erection of Operator's desk in Control Room and DCS Room.
3. Making cutouts/ arrangements in the existing control desk for mounting console and TFT Monitors, after mounting consol, desk and system normalization. Cut outs must be with proper cutter to avoid any damage to wiring.
4. Replacement of existing speed probes with new MPU (06 nos.). Any pole wheel/gear or mounting arrangement for speed pick up probes shall be in contractor scope.

(D.) Cable lying and termination:

1. Identification of old cables and termination before dismantling of panels with proper tagging and marking to avoid delay at the time of retaining old cables.
Termination of all the cables (New and old cable removed from the existing panels) in new maxDNA panels supplied by BHEL with proper dressing, lugging, glanding, ferruling and identification as per instruction of IOCL and BHEL Engineers. Termination of cables in panels and associated marshalling cabinets.
2. Re-routing of cables within the panels as per requirement.
3. Replacement of existing damage field cable if required from field JB to DCS panels.
4. Laying of new cables as per requirement which includes erection of cable trays, glanding, lugging, dressing, tagging. Dismantling and erection of impulse lines wherever required.
6. Continuity checking for cable from field JB's to control panel, marshalling cabinets as well as inter panel cable checking.
7. Laying of special networking cables (UTP cables) through conduits for establishing connectivity among panels, Engineering work stations, operating stations and other third party systems.
8. Laying of new cables from


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- Marshalling cabinet to maxDNA panels
- Cables between DCS cabinets
- Cables between DCS and marshalling cabinets
- Cables between DCS panel to relay panel.
- (Laying and termination of screened Signal Cables of 16P, 12P, 8P, 4P, 0.5, 1, 1.5, 2.0 Sq.mm
- Power Cables between DCS panel and UPS & power source .
- Cables between field instruments to DCS Panels
- Cables between Switchgear / MCC to Marshalling Cabinet and from marshalling Cabinet to DCS Panel
- Cables from DCS cabinets to other third party systems
- Network cables (RJ 45) from N/W Panel to DCS Panels in conduit
- Compensating cables from field to panels

The cables are to be laid as per requirement for complete up gradation of the TMR based governor System. There shall be no limitation by the contractor with regard to cabling.

(E.) Commissioning

1. Loop checking during commissioning in association with BHEL and IOCL engineers. The job includes continuity checking of wires from field to panel, feeding mV/mA/ohm signal from field for T/C, Transmitters, RTDs and ensuring the required value at panel end, feeding mA signal from panel to final control element, check the valve/damper operation in the field and crosscheck the feedback signal at panel end and calibration of control valves if required, simulating from panel / OWS and see the operation of drives/ relays.
2. Commissioning of panels, HMI (OWS, Engg Station, Historian, Printers, N/W Panel, SOE, OPC Link) in association with BHEL and IOCL engineers.
3. Commissioning of new console, TMR system, Panel in association with BHEL and IOCL engineers
4. Documentation of loop checking, commissioning activities and preparation of joint protocols and handing over the documents to BHEL.
5. Carrying out any changes/modifications of internal wiring in max panels as per guidance of BHEL engineer.
6. Checking of electronic earthing of panel, connection of screen cables. Earth resistance checking and correction in pit if resistance is not as per BHEL Standards.

(F.) Fire proof sealing

1. Sealing of all cable entry areas of Units encompassing panels, desks in control room, relay panels with fire proof sealing material. Fire proof sealing work for cable entry in cable gallery areas. The contractor should assess the exact quantity of requirement and quote.
2. Dressing of cables, rerouting of cables in the cable gallery after completion of all cabling job.

(G.) Civil work

1. Repair of Flooring of main control room and other panel area to restore to original.


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2. Making arrangement for disposing the existing panels and bringing new panels to the area where new panels are to be installed. This may require removal of glass paneling or breaking of side walls. After completion of the job glass panelings and side walls are to be restored.
3. Civil works and fabrication jobs including grinding, cutting, welding, grouting in floor etc required for panel erection.
4. Painting of panels with spray of appropriate color to match the color of the maxDNA panels
5. Painting of control desks with appropriate color to give better aesthetic look to Main Control Room.
6. Installation of all panels, instruments, PC's etc supplied by BHEL for TMR based governor system.


(H.) Pre-Commissioning and Commissioning Activities :

1. Experienced engineers who will be involved in R & M job should deploy at site 03 days before start of R & M job. They should physically see all the panels, remote monitoring units, related documents to be used for cable laying & termination and devise the method for proper identification of the existing cables and understand the quantum of jobs involved during R & M.
2. Contractor should mobilize the resources 03 days before start of works. Within this period, preparation of cable schedule, preparation of printed ferrules, laying of all cables and making of earthing pit will be carried out.
3. Contractor should prepare and furnish the detailed planning and scheduling for R & M project.
4. Contractor should furnish daily progress report to engineer in charge (EIC) and monitor the progress of the work as per schedule. If there is deviation between planned and actual, contractor should give the reasons for such deviation and mobilize the resources to minimizing such deviation.
5. Contractor shall submit the daily manpower deployment report to EIC.
6. Contractor shall dispose the debris from the work place immediately to the designated place as identified by EIC.
7. The entire C & I renovation job outlined above in the scope of work has to be completed in 20 days including commissioning.

(I.) Arrangement of Materials:

The following materials (consumables) which are required for erection & commissioning of C & I DCS System are to be provided by the contractor.

1. All consumable for cable laying such as terminal board (wago/elmex), lugs (dowels), ferrules, tags, clamps, glands, conduits, stationery etc for panels and JB's.
2. All associated supports, clamps, fasteners, GI pipes, conduits etc. required during cable laying. All glands, lugs ferrules, earthing cable etc shall be provide by contractor.
3. Fire proof sealing materials (4 hour rating)
4. Structural Materials etc required for erection of panel
5. Materials required for flooring of Main Control Room
6. G.I Conduits for network cables of suitable size.
7. Arrangement of tiles for flooring in the control room, so the new floor resemble the existing.
8. G.I plates. G.I pipes, raiser etc for erection of electronic earthing pit. 12"X12"X12 mm size tinned pure copper plate, dual strip, metal frame.
9. Polythene sheet to cover all the panels from rain water, dust, moisture etc on TG floor.
10. Contractor will arrange for watch and ward of equipment under his possession.


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11. 500m of PVC flexible conduit (Fire retardant Poly propylene flexible conduit (FRPP) and collars of 1 " dia.
12. Earth buses of insulated copper conductor of 10.0 mm² and 25 mmX3 mm copper strip for protection against static charge & lightning during rainy season for panel earthing.
13. Material for all wire /cables for suitably tagging at both ends with full ring heat shrinkable types cross ferruling/lable.
14. Material for base frame for mounting TMR control systems cabinets/panels in control room.
15. Arrangement of maximum 500 mt ladder/ perforated type Cable trays.(size as per requirement i.e (50mm-75mm -100 mm-150 mm) including their fastener, mounting clamps, nuts, bolts and other necessary items.

In addition to above materials the following items are also to be provided by the contractor:

- a) Welding electrodes and gas
- b) Provision for temporary Scaffoldings (if required)
- c) "U" Clamps with nuts and washers for and GI pipe clamping (if applicable).
- d) Aluminum Tags – Plates of minimum 3 mm thickness.
- e) Insulation tape.
- f) Teflon tape for GI pipe coupling (if applicable).
- g) Paints required for primer coating and final coating of synthetic enamel paint of approved color for the panels which will not be dismantled.
- h) Solder wire (lead) – (60/40).
- i) Protocol/Loop checking/commissioning report sheets as per IOCL Format.
- j) PVC cable tie, Aluminum or GI strips and fasteners for clamping of cables and other dressing materials required for cable dressing, Crow mat.
- k) Ferrules, sleeves for cables.
- l) Fastener for mounting JB (if required)

All materials shall be procured from reputed manufacturers as per IS specification. Necessary test certificates, guarantee certificate etc. as applicable shall be submitted to IOCL before proceeding with installation.

The materials supplied by contractor are to be entered in a register at the plant gate as per IOCL material transaction / movement procedure and submit the delivery challan to EIC.

(J.) T&P for erection & commissioning

1. All adequate and calibrated tools, tackles ,instruments required for carrying out the erection & commissioning job are to be arranged by the contractor including following :
 - Meggers and digital multimeters. Cranes, hydra, fork lift etc for lifting of panels and safe transportation.
 - Testing kit for testing the cables/joints
 - Ferrules tagging/printing machine (2 Nos.)
 - Any other materials/equipment required for fabrication, welding etc. for satisfactory erection & commissioning
 - mV, mA, resistance source, temp calibrator (5 each)
 - Multifunction calibrator, LAN tester.


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- Duly tested lifting tools and tackles for lifting / handling of panels
- Welding/grinding/cutting machines for fabrication/ structural works
- Computer, Laptop & Printer
- Current injection kit.
- Cable tracer.

(K.) Execution Period:

1. The contractor has to complete the jobs by scheduled period. If due to any reason, work is not completed by the due date, then the contractor should optimize its manpower as per requirement and complete the balance jobs by retaining required number of manpower. No extra amount will be paid for keeping extra manpower (if required) till completion of job. No overrun idle charges will be paid by BHEL on any account. There will be no additional payment even if there is addition in scope of work for completing the project.
2. Work has to be done round the clock on all days including Sundays and holidays. Minimum 3 groups should be deployed for each panel and job separately. One group for HMI jobs.

PART: B

1. The contractor has to mobilize site 3 days before shutdown immediately after receiving date of shutdown.
2. Contractor has to provide one laptops having latest configuration with printer having scan and photocopy facility.
3. Contractor has to provide '2' nos office boys for BHEL office.
4. The work has to go round the clock in three shifts.
5. All required IMTE's duly calibrated with valid calibration certificates from an accredited laboratory.
6. The job has to be completed in stipulated time as such sufficient & trained man power has to be deputed. Additional man power if required to be deputed as and when job warrants and if found insufficient during review by site-incharge.
7. Any job required to be done to complete the above jobs is included in the scope of work of contractor.
8. Arrange for the transport of BHEL IMTE and T&P required at site.
9. Arrangement of polythene sheet to cover all the panels from rain water, dust etc.
10. Transport and other facilities have to be arranged by Contractor.
11. Accommodation at site will be arrange by contractor. NO accommodation will be provided by BHEL


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TERMS OF PAYMENT

1. Payment shall be made up to a total of 90% of the contract value of actual work executed

DESCRIPTION OF WORK	DESCRIPTION OF WORK	Breakup % <i>for each unit</i>
1. Part A	1. Dismantling & erection of EHFC panels, Construction of Earthing pits.	30 %
	2 All different Cables laying, termination, ferruling, dressing, lugging of cable from field , panels, JB's, engineers rooms, Installation of different consoles, TFT in control desk.	30 %
	3. Checking cabling, Charging all panels, logic checking, Final Commissioning of new system.	30%
4. Part B	As above in Part B	10%
Total		100%

against raised bill submitted by the contractor in duplicate based on measurement of work done and submission of necessary document such labour License, Workmen Insurance, ESI, Wage payment sheet etc as applicable after duly verification and certification by BHEL Site Engineer. First progressive payment shall be made only after security deposit/ recovery of the full amount deposit in the prescribed forms.

2. Balance 10 % of contract value shall be made after 2 month of the successfully commissioning and trial operation of unit. No dues certificate form IOCL administration, CISF/ security personnel , IR clearances , Final payment sheet for wages to all personnel employed by him at site must be provided. Service Tax deposit receipt for progressive payment , if not submitted , PF deposit receipt, certification by contractor on final bill that the claim is in full and final settlement of all their claim in respect of the contract, and any other clearance as applicable.

Note:

This scope of work is for one unit only. However this tender is for all the units.

Three separate work order shall be issued i.e for each unit. The work in each unit shall be executed as per the availability of machine shut down.

Contractor has to mobilise and demobilised site accordingly.



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