

**TENDER SPECIFICATION
NO. BHE/PW/PUR/ARC-SJS /953/OJ**

ANNUAL RATE CONTRACT FOR PROVIDING SERVICES FOR UNPACKING, COMMISSIONING OF STRAND JACK SYSTEM , PREPARATION FOR OPERATIONS, MAINTENANCE, BREAK-DOWN REPAIRS, DE-COMMISSIONING, PACKING, FOR THE APPLICATION OF BOILER DRUM LIFTING & ALIGNMENT OF BOILER DRUM BY STRAND JACK SYSTEM AT SITES UNDER BHEL PS-WR

**PART: I – TECHNICAL BID
BOOK NO.**



**BHARAT HEAVY ELECTRICALS LIMITED
(A Govt. of India Undertaking)
POWER SECTOR - WESTERN REGION
345, KINGSWAY - NAGPUR 440 001**

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LEGEND:

@: Issued as separate booklet 'Tender Specifications Part-II attached.

BHARAT HEAVY ELECTRICALS LIMITED

(A Govt. of India Undertaking)
POWER SECTOR - WESTERN REGION
345, KINGS WAY - NAGPUR 440 001

TENDER SPECIFICATION NO - BHE/PW/PUR/ARC-SJS /953/OJ

ISSUE DETAILS

NAME OF THE WORK:

ANNUAL RATE CONTRACT FOR PROVIDING SERVICES FOR UNPACKING, COMMISSIONING OF STRAND JACK SYSTEM , PREPARATION FOR OPERATIONS, MAINTENANCE, BREAK-DOWN REPAIRS, DE-COMMISSIONING, PACKING, FOR THE APPLICATION OF BOILER DRUM LIFTING & ALIGNMENT OF BOILER DRUM BY STRAND JACK SYSTEM AT SITES UNDER BHEL PS-WR

LAST DATE & TIME FOR SUBMISSION OF COMPLETED OFFERS: Mentioned in NIT

THESE TENDER SPECIFICATION DOCUMENTS CONTAINING **PART-I** AND **PART-II** ARE ISSUED TO:

M/s.....

.....
.....

(THESE TENDER SPECIFICATION DOCUMENTS ARE NOT TRANSFERABLE)

FOR BHARAT HEAVY ELECTRICALS LIMITED

SManager (Purchase)

PLACE: NAGPUR

DATE :

BHEL PSWR
Notice Inviting Tender
Tender Specification No : BHE/PW/PUR/ ARC-SJS /953/OJ

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Dear Sir/Madam

Sub : NOTICE INVITING TENDER

Sealed offers in two part bid system are invited from reputed & experienced bidders (meeting [PRE QUALIFICATION CRITERIA](#) as mentioned in Annexure-I) for the subject job by the undersigned on behalf of BHARAT HEAVY ELECTRICALS LIMITED as per the tender document. Following points relevant to the tender may please be noted and complied with.

1.0 Salient Features of NIT

SL NO	ISSUE	DESCRIPTION	
i	TENDER NUMBER	BHE/PW/PUR/ ARC-SJS /953/OJ	
ii	Broad Scope of job	ANNUAL RATE CONTRACT FOR PROVIDING SERVICES FOR UNPACKING, COMMISSIONING OF STRAND JACK SYSTEM , PREPARATION FOR OPERATIONS, MAINTENANCE, BREAK-DOWN REPAIRS, DE-COMMISSIONING, PACKING, FOR THE APPLICATION OF BOILER DRUM LIFTING & ALIGNMENT OF BOILER DRUM BY STRAND JACK SYSTEM AT SITES UNDER BHEL PS-WR	
iii	DETAILS OF TENDER DOCUMENT		
<i>PART-I(Special Conditions of Contract)</i>			
a	<i>SCC consisting of Scope of work, Technical Specification, Drawings, Procedures, Bill of Quantities, Terms of payment, etc</i>		<i>Applicable</i>
b	<i>General Conditions of Contract (GCC)</i>		<i>Applicable</i>
<i>PART-II</i>			
c	<i>Price Schedule (Absolute value).</i>		<i>Applicable</i>
iv	Issue of Tender Documents	19/01/2012	<i>Applicable</i>
v	DUE DATE & TIME OF OFFER SUBMISSION	Date : 09.02.2012 , Time :15.00Hrs Place : BHEL-PSWR, Nagpur Tenders being submitted through representative shall be handed over to any of the following BHEL officials after making entry/registration at the reception: Ranade/ Sr.Manager (Purchase) Vivek K Kamal / SrEngineer(Purchase)	<i>Applicable</i>
vi	OPENING OF TENDER	2 hours after the latest due date and time of Offer submission <i>Notes:</i> (1) In case the due date of opening of tender becomes a non-working day, tenders shall be opened on next working day at the same time. (2) Bidder may depute representative to witness the opening of tender	<i>Applicable</i>
vii	EMD AMOUNT	<i>Rs 1,00,000/- (Rupees One Lakhs Only)</i>	<i>Applicable</i>
viii	COST OF TENDER	<i>Rs 2000/-</i>	<i>Applicable</i>
ix	LAST DATE FOR SEEKING	<i>Date: Atleast 3 days before the due date of offer submission</i>	<i>Applicable</i>

BHEL PSWR
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	CLARIFICATION	<i>Along with soft version also, addressing to undersigned & to others as per contact address given below Mr R K RANADE (rkranade@bhelpswr.co.in) Mr Vivek Kamal(vivekf@bhelpswr.co.in)</i>	
x	Latest updates	<i>Latest updates on the important dates, Amendments, Correspondences, Corrigenda, Clarifications, Changes, Errata, Modifications, Revisions, etc to Tender Specifications will be Intimated by fax/email. Bidders to keep themselves updated with all such information</i>	APPLICABLE

- 2.0 The offer shall be submitted as per the instructions of tender document and as detailed in this NIT. Bidders to note specifically that all pages of tender document, including these NIT pages of this particular tender together with subsequent correspondences shall be submitted by them, duly signed & stamped on each page, as part of offer. **Rates/Price including discounts/rebates, if any, mentioned anywhere/in any form in the techno-commercial offer other than the Price Bid, shall not be entertained.**
- 3.0 Unless specifically stated otherwise, bidder shall remit cost of tender and courier charges if applicable, in the form of Demand Draft drawn in favour of Bharat Heavy Electricals Ltd, payable at Power Sector Regional HQ at Nagpur issuing the Tender, along with techno-commercial offer. Bidder may also choose to deposit the Tender document cost by cash at the Cash Office as stated above against sl no iv of 1, on any working day; and in such case copy of Cash receipt is to be enclosed with the Techno Commercial offer. Sale of tender Documents shall not take place on National Holidays, holidays declared by Central or State Governments and BHEL PS HQ at Nagpur, Sundays and second/ last Saturdays
- 4.0 Unless specifically stated otherwise, bidder shall deposit EMD through Demand Draft/Pay Order in favour of Bharat Heavy Electricals Ltd, payable at Nagpur. For other details and for 'One Time EMD' please refer General Conditions of Contract.
- 5.0 **Procedure for Submission of Tenders:** The Tenderers must submit their Tenders to Officer inviting Tender, as detailed below:
- PART-I consisting of 'PART-I A (Techno Commercial Bid)' & 'PART-I B (EMD/COST of TENDER)' in two separate sealed and superscripted envelopes (ENVELOPE-I & ENVELOPE-II)
 - PART-II (Price Bid) – in sealed and super scribed envelope (ENVELOPE-III)
- 6.0 The contents for ENVELOPES and the superscription for each sealed cover/Envelope are as given below. **(All pages to be signed and stamped)**

Sl no	Description	Remarks
	Part-I A	
	<u>ENVELOPE – I superscribed as :</u> PART-I (TECHNO COMMERCIAL BID) TENDER NO : NAME OF WORK : PROJECT: DUE DATE OF SUBMISSION:	

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	CONTAINING THE FOLLOWING:-	
i.	Covering letter/Offer forwarding letter of Tenderer.	
ii.	Duly filled-in 'No Deviation Certificate' as per prescribed format to be placed after document under sl no (i) above. Note: a. In case of any deviation, the same should be submitted separately for technical & commercial parts, indicating respective clauses of tender against which deviation is taken by bidder. The list of such deviation shall be placed after document under sl no (i) above. It shall be specifically noted that deviation recorded elsewhere shall not be entertained. b. BHEL reserves the right to accept/reject the deviations without assigning any reasons, and BHEL decision is final and binding. i). In case of acceptance of the deviations, appropriate loading shall be done by BHEL ii). In case of unacceptable deviations, BHEL reserves the right to reject the tender	
iii.	Supporting documents/ annexure/ schedules/ drawing etc as required in line with Pre-Qualification criteria. It shall be specifically noted that all documents as per above shall be indexed properly and credential certificates issued by clients shall distinctly bear the name of organization, contact ph no, FAX no, etc.	
iv.	All Amendments/Correspondences/Corrigenda/Clarifications/Changes/ Errata etc pertinent to this NIT.	
v.	Integrity Pact Agreement (Duly signed by the authorized signatory)	If applicable
vi.	Duly filled-in annexures, formats etc as required under this Tender Specification/NIT	
vii.	Notice inviting Tender (NIT)	
viii.	Volume – I A : <u>Technical</u> Conditions of Contract (TCC) consisting of Scope of work, Technical Specification, Drawings, Procedures, Bill of Quantities, Terms of payment, etc	
ix.	Volume – I B : Special Conditions of Contract (SCC)	
x.	Volume – I C : General Conditions of Contract (GCC)	
xi.	Volume – I D : Forms & Procedures	
xii.	Volume – II (UNPRICED – without disclosing rates/price, but mentioning only 'QUOTED' or 'UNQUOTED' against each item	
xiii.	Any other details preferred by bidder with proper indexing.	
	PART-I B	
	ENVELOPE – II superscribed as: PART-I (EMD/COST of TENDER) TENDER NO :	

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	NAME OF WORK : PROJECT: DUE DATE OF SUBMISSION: CONTAINING THE FOLLOWING:-	
i.	1. Earnest Money Deposit (EMD) in the form as indicated in this Tender <p style="text-align: center;">OR</p> Documentary evidence for 'One Time EMD' with the Power Sector Region of BHEL floating the Tender 2. Cost of Tender (Demand Draft or copy of Cash Receipt as the case may be)	

	PART-II	
	PRICE BID consisting of the following shall be enclosed	
	ENVELOPE-III superscribed as: PART-II (PRICE BID) TENDER NO : NAME OF WORK : PROJECT: DUE DATE OF SUBMISSION: CONTAINING THE FOLLOWING	
i	Covering letter/Offer forwarding letter of Tenderer enclosed in Part-I	
ii	Volume II – PRICE BID (Duly Filled in Schedule of Rates – rate/price to be entered in words as well as figures)	

	OUTER COVER	
	ENVELOPE-IV (MAIN ENVELOPE / OUTER ENVELOPE) superscribed as: TECHNO-COMMERCIAL BID, PRICE BID & EMD TENDER NO: NAME OF WORK: PROJECT: DUE DATE OF SUBMISSION: CONTAINING THE FOLLOWING:	
i	<ul style="list-style-type: none"> o Envelopes I o Envelopes II o Envelopes III 	

SPECIAL NOTE : All documents/annexures submitted with the offer shall be properly annexed and placed in respective places of the offer as per enclosure list mentioned in the covering letter. BHEL shall not be responsible for any missing documents.

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- 7.0 No Deviation with respect to tender clauses and no additional clauses/ suggestions/ in Techno-commercial bid/ Price bid shall normally be considered by BHEL. Bidders are requested to positively comply with the same.
- 8.0 BHEL reserves the right to accept or reject any or all Offers without assigning any reasons thereof. BHEL also reserves the right to cancel the Tender wholly or partly without assigning any reason thereof. Also BHEL shall not entertain any correspondence from bidders in this matter (except for the refund of EMD).
- 9.0 Since the job shall be executed at site, bidders must visit site/ work area and study the job content, facilities available, availability of materials, prevailing site conditions including law & order situation etc before quoting for this tender. They may also consult this office before submitting their offers, for any clarifications regarding scope of work, facilities available at sites or on terms and conditions. No additional claim shall be entertained by BHEL in future, on account of non-acquaintance of above.
- 10.0 For any clarification on the tender document, the bidder may seek the same in writing or through e-mail, as per specified format, within the scheduled date for seeking clarification, from the office of the undersigned. BHEL shall not be responsible for receipt of queries after due date of seeking clarification due to postal delay or any other delays. Any clarification / query received after last date for seeking clarification may not be normally entertained by BHEL and no time extension will be given.
- 11.0 In the event of any conflict between requirement of any clause of this specification/ documents/drawings/data sheets etc or requirements of different codes/standards specified, the same to be brought to the knowledge of BHEL in writing for clarification before due date of seeking clarification (whichever is applicable), otherwise, interpretation by BHEL shall prevail. Any typing error/missing pages/ other clerical errors in the tender documents, noticed must be pointed out before pre-bid meeting/submission of offer, else BHEL's interpretation shall prevail.
- 12.0 Unless specifically mentioned otherwise, bidder's quoted price shall deemed to be in compliance with tender.
- 13.0 The Bidder has to satisfy the Pre Qualifying Requirements stipulated for this Tender in order to be qualified. The Price Bids of only those bidders will be opened who will be qualified for the subject job on the basis of pre-qualification evaluation/ techno-commercial bids, etc. and date of opening of price bids shall be intimated to only such bidders.
- 14.0 In case BHEL decides on a 'Public Opening', the date & time of opening of the sealed PRICE BID shall be intimated to the qualified bidders and in such a case, bidder may depute one authorised representative to witness the price bid opening. BHEL reserves the right to open 'in-camera' the 'PRICE BID' of any or all Unsuccessful/Disqualified bidders under intimation to the respective bidders.
- 15.0 Validity of the offer shall be for **six months** from the latest due date of offer submission (including extension, if any) or specified otherwise in SCC of tender.
- 16.0 BHEL reserves the right to decide the successful bidder on the basis of Reverse Auction process. In such case all qualified bidders will be intimated regarding procedure/

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modality for Reverse Auction process prior to Reverse Auction and price will be decided as per the rules for Reverse Auction.

However, if reverse auction process is unsuccessful as defined in the RA rules/procedures, or for whatsoever reason, then the sealed 'PRICE BIDS' will be opened for deciding the successful bidder. BHEL's decision in this regard will be final and binding on bidder.

- 17.0 On submission of offer, further consideration will be subject to compliance to tender & qualifying requirement and customer's acceptance, as applicable.
- 18.0 The bidder shall submit documents in support of possession of 'Qualifying Requirements' duly self certified and stamped by the authorized signatory, indexed and properly linked in the format for PQR. In case BHEL requires any other documents/proofs, these shall be submitted immediately.
- 19.0 The bidder may have to produce original document for verification if so decided by BHEL.
- 20.0 BHEL reserves the right to reject any tender on the basis of unsatisfactory performance of the bidder in any ongoing job or any similar job in the last seven years or for furnishing false information/declaration in the offer.
- 21.0 **Liquidated Damages/Penalty:** BHEL will impose Liquidated Damages and Penalty as per suitable clauses in the respective Tender Specifications on account of delay, violation of contract conditions and non-performance attributable to the contractor.
- 22.0 **LATE TENDER:** Tender received after the specified date and time of submission shall not be considered in any circumstances.
- 23.0 A bidder must satisfy **all the Qualifying Requirements** stipulated under 'C', 'D' etc of this tender concurrently in order to get qualified.
- 24.0 Order of Precedence
In the event of any ambiguity or conflict between the Tender Documents, the order of precedence shall be in the order below:
- a. Amendments/Clarifications/Corrigenda/Errata etc issued in respect of the tender documents by BHEL
 - b. Notice Inviting Tender (NIT)
 - c. Price Bid (Part-II)
 - d. Technical Bid (Part-I)
 - e. General Conditions of Contract (GCC)

for BHARAT HEAVY ELECTRICALS LTD
(SCT)

Enclosure

01. Annexure-1: Pre Qualifying criteria.
02. Annexure-2: Check List.
03. Annexure-3: Important Information.

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ANNEXURE - 1

JOB	ANNUAL RATE CONTRACT FOR PROVIDING SERVICES FOR UNPACKING, COMMISSIONING OF STRAND JACK SYSTEM , PREPARATION FOR OPERATIONS, MAINTENANCE, BREAK-DOWN REPAIRS, DE-COMMISSIONING, PACKING, FOR THE APPLICATION OF BOILER DRUM LIFTING & ALIGNMENT OF BOILER DRUM BY STRAND JACK SYSTEM AT SITES UNDER BHEL PS-WR
TENDER NO	BHE/PW/PUR/ARC-SJS/953/OJ

SL NO	PRE QUALIFICATION CRITERIA	Bidders claim in respect of fulfilling the PQR Criteria	
		Name and Description of qualifying criteria	Page no of supporting document
C	<u>Technical</u> Will be uploaded as corrigendum within 2 days i.e. on or before 21.01.2012	APPLICABLE	
D1	<u>Financial TURNOVER</u> Bidders must have achieved an average annual financial turnover (Audited) of Rs 13 Lakhs or more over last three Financial Years (FY) i.e. 2008-2009, 2009-2010, 2010-2011.	APPLICABLE	
D2	NETWORTH Net worth of the Bidder based on the latest Audited Accounts as furnished for 'D1' above should be positive	APPLICABLE	
D3	PROFIT Bidder must have earned cash profit in any one of the three Financial Years as applicable in the last three years defined in 'D1' above based on latest Audited Accounts.	APPLICABLE	
Explanatory Notes for QR 'C'			
1. The word 'executed' means the bidder should have achieved the criteria specified in the QR even if the total contract has not been completed or closed			

	<p>2. Bidder to submit Audited Balance Sheet and Profit and Loss Account for the respective years as given above along with all annexure.</p> <p>B) Explanatory Notes for PQR 'D'- 'Financial'</p> <ol style="list-style-type: none">1. Net Worth = Paid up share capital* + Reserves (* : Share Capital OR Partnership Capital OR Proprietor Capital as the case may be)2. Profit shall be NET Profit (PAT + Non Cash Expenditure viz depreciation). In case audited financial statement have not been submitted for all the three years as indicated in 'D1' above, then applicable audited statement submitted by the bidder against the requisite three year, will be averaged for three years.3. In case audited financial statement have not been submitted for all the three years as indicated in 'D1' above, then applicable audited statement submitted by the bidder against the requisite three year, will be averaged for three years.
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BIDDER SHALL SUBMIT ABOVE PRE-QUALIFICATION CRITERIA FORMAT, DULY FILLED-IN, SPECIFYING RESPECTIVE ANNEXURE NUMBER AGAINST EACH CRITERIA AND FURNISH RELEVANT DOCUMENT IN THE RESPECTIVE ANNEXURES IN THEIR OFFER.

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ANNEXURE - 2

CHECK LIST

NOTE:- Tenderers are required to fill in the following details and no column should be left blank

1	Name and Address of the Tenderer		
2	Details about type of the Firm/Company		
3	Details of Contact person for this Tender	Name : Mr/Ms Designation: Telephone No: Mobile No: Fax No:	
4	EMD DETAILS	DD No: Date : Bank : Amount: Please tick (<input type="checkbox"/>) whichever applicable:- ONE TIME EMD / ONLY FOR THIS TENDER	
5	Validity of Offer	TO BE VALID FOR SIX MONTHS FROM LATEST DUE DATE OF TECHNICAL BID OPENING	
		APPLICABILITY	BIDDER REPLY
6	Whether the format for compliance with PRE QUALIFICATION CRITERIA (ANNEXURE-I) is understood and filled with proper supporting documents referenced in the specified format	Applicable	YES / NO
7	Audited profit and Loss Account for the last three years	Applicable	YES/NO
8	Copy of PAN Card	Applicable	YES/NO
9	Whether all pages of the Tender documents including annexures, appendices etc are read understood and signed	Applicable	YES/NO
10	Declaration by Authorised Signatory	Applicable	YES/NO
11	No Deviation Certificate	Applicable	YES/NO
12	Declaration confirming knowledge about Site Conditions	Applicable	YES/NO
13	Declaration for relation in BHEL	Applicable	YES/NO
14	Bank Account Details for E-Payment	Applicable	YES/NO
15	Power of Attorney for Submission of Tender/Signing Contract Agreement	Applicable	YES/NO
16	BIDDER HAS FAMILIARIZED HIMSELF WITH ALL RELEVANT LOCAL LAWS & CONDITIONS	Applicable	YES/NO
17	COPY OF SIMILAR WORK EXECUTED IN THE PAST 7 YEARS	Applicable	YES/NO

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

DATE :

AUTHORISED SIGNATORY
(With Name, Designation and Company seal)

ANNEXURE 3:

IMPORTANT INFORMATION

1.The offers of the bidders who are on the banned list as also the offer of the bidders, who engage the services of the banned firms, shall be rejected. The list of banned firms is available on BHEL web site (www.bhel.com ---> Tender Notification -> List of Banned Firms)

DECLARATION SHEET
(Refer Clause 1.19.8 of General Instructions to the Tenderer)

The Bidders are requested to furnish the following information while quoting, failing which their offer will be summarily rejected.

1. Whether any relative(s) of Partner/Director /Owner is presently employed in BHEL?
If so, his connection with the Firm : **YES/ NO**
(If yes, please give particulars)
2. Whether any BHEL employee is Holding any share in Firm? : **YES/NO** (If yes, please give particulars)

Signature of the Tenderer

Note:

1. Attach separate sheet, if necessary.
2. If the BHEL Management comes to know, at a later date, that the information furnished by the Bidder is false, suitable action will be taken according to law against the contractor

DECLARATION BY BIDDER'S AUTHORIZED SIGNATORY**TENDER SPECIFICATION No. BHE/PW/PUR/ ARC-SJS /953/OJ**

I, _____ HEREBY CERTIFY THAT ALL THE INFORMATION AND DATA FURNISHED BY ME WITH REGARD TO THIS TENDER SPECIFICATION ARE TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE. I HAVE GONE THROUGH THE SPECIFICATIONS, CONDITIONS AND STIPULATIONS IN DETAIL AND AGREE TO COMPLY WITH THE REQUIREMENTS AND INTENT OF THE SPECIFICATION. I FURTHER CERTIFY **THAT I AM DULY AUTHORISED REPRESENTATIVE OF THE UNDERMENTIONED BIDDER AND A VALID POWER OF ATTORNEY TO THIS EFFECT IS ALSO ENCLOSED.**

DATE:

SIGNATURE OF AUTHORIZED SIGNATORY WITH SEAL

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...
**CERTIFICATE CONFIRMING
KNOWLEDGE ABOUT SITE CONDITIONS**

TENDER SPECIFICATION No. BHE/PW/PUR/ ARC-SJS /953/OJ

We, M/s
hereby declare and confirm that we have visited the project site(s) for which we
have submitted our offer and acquired full knowledge and information about the
site conditions.

We further confirm that the above information is true and correct and we shall not
be eligible for any additional payment of any nature due to lack of knowledge or
non-familiarization of site conditions.

BIDDER'S NAME AND ADDRESS:

SIGNATURE & OFFICIAL SEAL OF BIDDER'S
AUTHORISED SIGNATORY

PLACE:

DATE:

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...
CERTIFICATE OF NO-DEVIATION

TENDER SPECIFICATION No. BHE/PW/PUR/ ARC-SJS /953/OJ

I/WE, M/s

HEREBY CERTIFY THAT NOTWITHSTANDING ANY CONTRARY INDICATIONS/
CONDITIONS ELSEWHERE IN OUR OFFER DOCUMENTS, I/WE HAVE NEITHER SET ANY
TERMS AND CONDITIONS NOR THERE IS ANY DEVIATION TAKEN FROM THE
CONDITIONS OF BHEL'S TENDER SPECIFICATIONS, EITHER TECHNICAL OR
COMMERCIAL, AND I/WE AGREE TO ALL THE TERMS AND CONDITIONS MENTIONED IN
BHEL'S TENDER SPECIFICATION WITH ASSOCIATED AMENDMENTS AND
CLARIFICATIONS.

Signature of the Bidder

Date:

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SECTION -4

SPECIAL CONDITION OF CONTRACT

TECHNICAL BID PART -I

Tender Specification No -. BHE/PW/PUR/ ARC-SJS /953/OJ

SUB:- ANNUAL RATE CONTRACT FOR PROVIDING SERVICES FOR UNPACKING, COMMISSIONING OF STRAND JACK SYSTEM , PREPARATION FOR OPERATIONS, MAINTENANCE, BREAK-DOWN REPAIRS, DE-COMMISSIONING, PACKING, FOR THE APPLICATION OF BOILER DRUM LIFTING & ALIGNMENT OF BOILER DRUM BY STRAND JACK SYSTEM AT SITES UNDER BHEL PS-WR

Our Division i.e. Power Sector-Western Region (PS-WR) is generally operating in 5 States of India namely Maharashtra, Madhya Pradesh, Chhattisgarh, Gujarat, Goa, and few sites in other states.

The intent of specification is to provide services for unpacking, commissioning of strand jack system, preparation for operations, operations, maintenance, break-down repairs, de-commissioning, packing, , for the application of boiler drum lifting & alignment of boiler drum by strand jack system at sites under BHEL PS-WR. BHEL is intending to avail the services for the following as detailed below. Strand Jack System that will be procured by BHEL-PSWR at any later stage, before or after entering into this contract, shall also be included in the contract.

STRAND JACK SYSTEM				
Sl. No.	Description	Make	Model No.	Quantity
1	Strand Jack	DORMAN LONG TECNOLOGY , U.K.	DL-S 185	02
2	Power Pack	DORMAN LONG TECNOLOGY , U.K.	DL-L40/1/E	03
3	Control System	DORMAN LONG TECNOLOGY , U.K.	DL-M	01

The contract shall be governed with the terms & condition as stipulated below:

1. SCOPE OF WORK:

Unpacking, commissioning of strand jack system, preparation for operation, maintenance, break-down repairs, de-commissioning, packing, for the application of boiler drum lifting & alignment of boiler drum by strand jack system at sites under BHEL PS-WR

Work shall broadly include the followings:

BHARAT HEAVY ELECTRICALS LIMITED
PSWR-NAGPUR
T.S.BHE/PW/PUR/ ARC-SJS /953/OJ

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a) Preparatory works:

1. Un-packing of Strand Jacks, Power packs, strands, hoses and other items of the system from containers / boxes & vice versa. (at ground level)
2. Cleaning, servicing of jacks and power packs & cleaning and/or replacing of grips. (at ground level)
3. Checking of oil levels in all the power packs, if oil level is below the average level, top up the level and if oil condition is not satisfactory, replace the oil with appropriate oil grade. (at ground level)
4. Supervision (only for this work) for mounting of jacks, power packs over the Boiler structure (at a level of above 65 M to 98 M, actual height depends on design). Lifting, placing & mounting of complete **Strand Jack System (SJS)** shall be done by Boiler erection Agency.
5. Commissioning of jacks and power packs over the Boiler structure (at a level of above 65 M to 98 M, actual depend on design).
3. Supervision (only for this work) for grinding of strand' end conical, lifting, insertion & fastening of strands inside Strand Jacks (at a level of above 65 M to 98 M, actual height depends on design). This action shall be done by boiler erection agency.
6. Fixing of Strands into Fixed Anchor Block for attaching to the Boiler Drum kept on pedestals at ground level. Approximate level of fixing would be 3 to 7 meters.
7. Ensuring equal tensioning of all strands.

b) Boiler Drum Lifting:

1. Initial Load testing of Strand Jack System by lifting the Boiler drum (max lift 200 mm) and holding for a period of 20 minutes and observe any leakage in hydraulic system or slipping of Strands and to ensure correctness of the system.
2. After signing of requisite documents and necessary written clearance from Construction Manager (in the designed format), start the Lifting of Boiler Drum. Boiler Drum Lifting takes 4 to 6 hrs (depends on design of boiler) & finally transferring the load of boiler drum over "U" bolts.

c) Alignments of Boiler drum:

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1. After shifting the load of Boiler drum from “U” bolt to strand jack and again adjustment of the load on “U” bolt, the process may be repeated as many times as required till alignment values come within limit.

d) De-commissioning of Strand Jack System:

1. Supervision (of this step only) Releasing of pins between Boiler Drum Lugs & Fixed Anchor Blocks. This action shall be done by boiler erection agency.
2. Pulling of Strands further upwards just below the “Cat head beam”.
3. Supervision (of this step only) for cutting of Strands from Fixed Anchor Block and releasing of strands. This action shall be done by boiler erection agency.
4. Decommissioning of strand Jacks, power packs.
5. Supervision (of this step only) for de-mounting & lowering of Power Pack, Strand Jack, Strand Guide & accessories box to ground level. This action shall be done by boiler erection agency.

e) Packing of Strand Jack System

1. Supervision (of this step only) Recoiling of Strands and putting into strand basket. This action shall be done by boiler erection agency.
2. Packing of Jacks, Power packs, strands and hoses and other minor items into containers / boxes as per loading plan.

f) Maintenance of Strand Jack System

1. Periodical maintenance and break down repair of Power Packs and Strand Jacks.
2. Identification of assemblies/components, tagging and packing the spares parts in wooden boxes/ crates provided by BHEL and verification of the same on receipt at destination site.

g) Purchase of Sundry Spares

1. Purchasing of sundry spares from OEM costing less than 0.5% of the present replacement cost of Strand Jack System on BHEL instruction. Payment for the sundry spares will be reimbursed as per the price list of the OEM / OCM or authorized dealers of original equipment manufacturer (OEM)/original component manufacturer (OCM).

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2. In case of spares/assemblies, sub-assemblies procured/manufactured from Indian/local market to make the Strand jack system operational in emergencies. With BHEL permission, Vendor may purchase or get manufactured the required spares/assemblies, sub-assemblies limited to the cost of Rs. 20000/- for single item (including Taxes & duties). Payment for such spares/assemblies, sub-assemblies shall be reimbursed as per the invoice produced plus 10 % extra of invoice amount.

Workforce:

Bidder shall deploy the team of **05 people** (all people should be qualified as stipulated below) **for** a period of 10 to 12 days or as required at the sites under PSWR. Gang shall broadly consist of following:

- a) Highly skilled qualified technician (Expert in handling trouble shooting of Electrical as well as Hydraulic System, subassemblies, parts & as a whole)- **02**
- b) Skilled qualified technician cum Operator(should have 2-3 yrs experience in operation of hydraulically operated lifting equipment)- **01**
- c) Semi qualified Skilled Technician (should have 02 yrs experience in operation or assistance in operation of hydraulically operated lifting equipment)- **02**
- d) Attending the break-downs as required for the electrical, mechanical and hydraulic components, parts, sub-assemblies, assemblies, attachments, accessories etc associated with Strand Jack System.
- e) Tools needed during repair, overhauling of Strand Jack and Power pack shall be in scope of service agency.
- f) Replacement of worn-out mechanical/hydraulic/electrical/structural parts of Strand Jack System shall be carried out by the agency with reputed/original company spares with 6 month warranty.
- g) Service agency shall provide services for Strand Jack System located at site under PS-WR or any new site opened in future.
- h) Our Main customers are MAHAGENCO, NTPC, IDEAL ENERGY PROJECT LIMITED, INDIABULLS POWER LTD, INDIABULLS REALTECH LTD, JINDAL POWER LIMITED, KORBA WEST POWER, DAINIK BHASKAR POWER LTD., VISA POWER LTD., SAIL, BORL, HINDALCO, JHABUA POWER LTD, GSECL, IOCL GUJARAT

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REFINERY, GNFC, GIPCL, GSPC PIPAVAV POWER CO. LTD., AND
ONGC PETRO ADDITIONS LTD. within BHEL, PS-WR.

- i) The Service agency shall equip his gang with self technical expertise to attend all service requirements of the Strand Jack system at his own cost.
- j) Service agency shall arrange the entry/out gate pass for their staff and materials for which necessary documents will be forwarded by BHEL to the client. Contractor shall maintain duly endorsed records of all incoming equipments to facilitate grant of outward gate pass.

2. SERVICE AGENCY'S RESPONSIBILITY:

- a. All safety precautions are to be taken by Bidder to prevent any type of accident during execution of the work.. During execution, if any accident, minor or major, happens, the contractor Service agency will immediately intimate the details of accident to BHEL and BHEL insurance agency. The service agency will lodge the FIR and will attend to all necessary legal formalities. The service agency will also ensure that the person who has met with the accident is always available with the service agency to produce him before legal authorities. Responsibility of preventing the accidents will lie on the agency and suitable insurance for the members of their gang must be done by them. Any loss or cost suffered by us due to failure in complying this provision will be on the service agency's account.
- b. The service agency shall follow all safety norms as per present norms indicated in GCC and as per revised norms from time to time.
- c. The service agency shall provide all safety appliances like dust masks, safety belt, safety shoes, helmet, hand gloves, safety goggles, Personal protective equipment (PPE), rain gears, overalls etc. to their personnel working inside the plant complex at his cost and should adhere to safety codes as given in GCC. Non compliance shall attract heavy penalty.
- d. Service agency's workmen should study and understand the risk involved at the site and on the equipment with respect to work in executing the job and if any complication is perceived, it should be brought to the notice of BHEL/ site construction manager before starting the job.

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- e. The service agency must ensure that all their staff should undergo safety training and awareness of risk involvement in equipment operation before they are assigned the job in the field.
 - f. The people of service agency (including standby team) shall take the class room training at BHEL. The actual operation should be seen by service agency' people at one of the BHEL site. A test shall be taken & only those who qualify will be allowed to carry out the job. In case trained person leaves the company, agency will arrange to train the (replacement) person in the similar fashion and qualifying test shall be taken by BHEL before deploying on job.

3. BHEL'S OBLIGATIONS:

The BHEL shall provide following free of cost to the service agency to render identified services.

- a. Suitable Assist Crane with operator, slings, D-shackles, Manila Ropes, for handling of Strands Jack and its parts.
- b. Grinding machine with operator, disc cutting & grinding, whenever required.
- c. Wooden sleepers and metal gratings for laying the strands.
- d. Tarpaulin, if needed during the work.
- e. All consumables like Hydraulic oil, Grease, cleaning agent such as cotton cloth, petrol, diesel, emery paper, Scotch-brite and wire brushes etc.
- f. BHEL will provide class room training for operations to the agency's gang.

4. VALIDITY OF CONTRACT, PRICE ESCALATION & TERMS OF PAYMENTS:

- 1. This contract shall be for a period of two years from the date of acceptance of your offer/ date of award of contract. Initially the contract shall be awarded for two year and there after the same is renewable for additional one year at the discretion of BHEL. Thus it can go maximum up to 03 years.
- 2. Bidder shall quote per day rate **only for the "Highly Skilled Technician"** and rates should be inclusive of local conveyance & incidental expenses.
 - a. Skilled Technician rates shall be paid @ **83%** of Highly Skilled Technician rates.

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b. Semi Skilled Technician rates shall be paid @ **67%** of Highly Skilled Technician rates.

3. Generally the work is to be carried out in general shift of 10 hours excluding lunch break. However, depending on the requirement / exigencies, the job is to be continued beyond normal working hours or sometimes round the clock.
4. The service charges for Highly Skilled Technician, Skilled Technician and Semi Skilled shall be paid on per day basis for actual stay at site (Date of arrival to departure). Any part of day shall be considered as full day for computation of paid service charges provided the services are rendered for more than six hours (including 1 hour lunch break).
5. In case manpower is engaged beyond 10 Hours of working (excluding 1 hour lunch break) or less than 6 hour (including 1 hour lunch break), the payment shall be made on pro-rate basis and shall be calculated as detailed below.

Rate per Hour = Rate per day / 10 Hours.

6. Traveling expenses for to & fro passage (within India) shall be limited to 3 AC plus Tatkal train fare for Highly Skilled, Skilled Technician as well as Semi skilled Technician. In case there is no rail connection and travel is performed by road, fare shall be reimbursed on submission of proof of journey, limited to that of 3 AC fare plus Tatkal charge. Fooding charge during travel shall be paid at the fixed rate of Rs 150/person for a journey of 10 hours and above and Rs 100/person for a journey less than 10 hours for Highly Skilled, Skilled Technician as well as Semi skilled Technician..
7. Lodging charges shall be payable @ Rs. 500/- per day for Highly Skilled, Skilled Technician as well as Semi skilled Technician and shall remain firm during the entire contract period. The Lodging charges shall be payable from the day the person reported at site during the working hours and up to the day on which person is relieved from site.
8. Per day Service Charges shall be subject to price variation after the end of each year of rate contract based on all India average consumer price index for industrial labour as per the formula given below:-

$$P1 = P0 (0.1 + 0.9L1/LO)$$

Where P0 = Present per day rate, P1 = Rate for Extended period. LO = Consumer price index for industrial worker for the month when contract commences, & L1 = Consumer price index for industrial worker of the month from where extension is applicable the next year.

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9. Payment:

100% payment shall be released against individual work order for the services utilized and sundry spares under this rate contract. The payment shall be released by the ordering authority within 45 days of completion of assigned respective work. Minimum payment for deployment of the workforce for a period of 10 days shall be done even if the work gets completed in less than 10 days. For more than 10 days, actual per day payment shall be done.

10. BHEL has switched to payment through Electronic Fund Transfer (EFT)/RGITS. Thus, the following details are to be furnished by you pertaining to your Bank Accounts where proceeds will be transferred through our Banker:

1. Name of the Company
2. Name of Bank
3. Name of Bank Branch & Branch Code
4. City
5. Account Number
6. Account Type
7. IFSC Code of the Bank Branch
8. MICR Code of the Bank Branch.

11. The invoice should be submitted in original along with the daily time sheet / work sheet duly certified by BHEL Engineer and original invoice for sundry spares along with site material (sundry spares) receipt certificate to the ordering authority. The ordering authority may be FEX (HQ) Nagpur or BHEL sites. In case the services are called by site, the payment shall be released by respective site on submission of original invoice, however the contractor shall send one copy of invoice to FEX, BHEL. Nagpur.

5. EMD/SECURITY DEPOSIT:

The contractor shall submit EMD for an amount of Rs.-/- in the form of demand draft of any nationalized bank in favour of "BHARAT HEAVY ELECTRICAL LIMITED" payable at Nagpur. The EMD amount shall be converted into security deposit for the successful bidder.

6. ORDERING AUTHORITY & DEPLOYMENT OF MANPOWER:

The work order for providing services for unpacking, commissioning of strand jack system, preparation for operation, maintenance, break-down repairs, de-commissioning, packing, for the application of boiler drum lifting & alignment of boiler drum by strand jack system at sites under BHEL PS-WR shall be placed from BHEL, PS-WR, Nagpur or Construction Manager of the respective PS-WR site.

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7. WARRANTY OF SERVICE

The Service agency shall ensure top class workman ship for work assigned under this contract. Service agency shall submit work completion report against the work assigned at each accession duly certified by Construction Manager of respective site. Report should contain the information regarding the nature of defects; probable reason of break down, components replaced with part No., work carried out and also suggests corrective action need to be taken.

8. RESPONSE TIME

The Service agency shall mobilize his skilled manpower immediately on the call/placement of order by the BHEL. The contractor shall ensure that the response time is contained to be 7 days for the site within a distance of 150 km from his place and within 12 days for the site located beyond 150 km.

9. COMPLIANCE OF SAFETY REGULATION

Service agency shall ensure that the person deployed to render the service shall observe all safety norms prevailing at BHEL site at his cost. BHEL will not be responsible for any eventuality arising out of any negligence on the part of contractor in observing the safety norms.

10. COMPLIANCE OF WORKMAN'S COMPESATION INSURANCE

1. Person deployed for the services must be insured under the workman's compensation act Policy. The Service agency shall keep such policy always current. The Service agency at his cost will settle all the claim of Service agency's personnel under this policy.
2. All statutory requirements as per labour laws, ESI, PF etc are to be complied by the tenderer.
3. Necessary insurance (covering WC act) for the workmen engaged by the contractor has to be taken at his cost and the copy of the same should be submitted on award of the work.
4. An indemnity bond shall be given by the Service agency stating that all expenditure caused due to failure of statutory obligations on the part of this tender shall be borne by the tenderer.

11. INSURNACE OF BHEL OWNED T&Ps

All the T&Ps belonging to BHEL and handled by the Service agency for the assigned services are covered by insurance policy of the BHEL. However contractor will take due care to ensure completion of the job without causing any damages. Insurance of the T&Ps by BHEL shall not absolve the Service agency from their responsibility of safe and proper handling and operation. The Service

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agency will not be responsible for accidental damages caused by insured perils. The contractor shall also co-ordinate to complete the procedure of survey/ assessment of loss by the insurers.

12. TAXES AND DUTIES

Applicable Taxes & duties shall be borne by contractor; however Service tax shall be paid extra by BHEL as per applicable rate. Quoted rate shall be exclusive of service tax. Bidder shall submit the proof of registration of service tax with the appropriate statutory authority.

13. REJECTION OF TENDER & OTHER CONDITION

The acceptance of 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 reason whatsoever: -

- To reject any or all the tenders.
- To split up the work amongst two or more tenderers.
- To award the work in parts.
- Either of the contingencies stated above to modify the time for completion suitably.
- Conditional and un-witnessed tenders, tender containing absurd unworkable rates and tenders which are incomplete or otherwise defective and tenders not in accordance with the tender conditions, specifications, etc., are liable to be rejected.

14. PRICE BID EVALUATION CRITERIA & AWARD OF CONTRACT

In case, BHEL decides to go for one more agency in addition to the agency who's quoted / accepted rate is found to be lowest. BHEL shall give counter offer based on the L-1 rates to remaining unsuccessful bidders (L-2, L-3 & L-4.....so on) for their acceptance and for further award of work, however on acceptance of rate and as well other provision of tender specification, the preference shall be given to the bidders in order of their price status in order of their standing (i.e. L-2 will be given first preference in case all agree for the rate). On award of the work to next bidder other than L-1 bidder, the service shall be engaged in rotation in terms of service call.

Modality of work distribution, in case, Rate Contract is entered with more than one agency shall be to distribute the work approximately in the ratio of 60:40 between L1 bidder and the other bidder.

15. GENERAL

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- i. In case of any contradiction between “General Condition of Contract” & “Special Conditions of Contract” of this Tender Specification, the provisions of Special Condition of Contract shall prevail.
 - ii. In case of contradictions between Quoted Unit Rate and Total Amount, the quoted Unit Rate shall be taken as correct and total amount shall be recalculated for the intended ordered quantity.
 - iii. In case of contradictions between Rates in Figures and Rates in Words, the lesser of the two shall be considered as correct.

BHEL PSWR
Notice Inviting Tender
Tender Specification No : **BHE/PW/PUR/ ARC-SJS /953/OJ**
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Annexure-I

DETAILS OF WORK EXPERIENCE

[AS MENTIONED ABOVE DURING THE LAST THREE YEARS]

SL. NO.	FULL POSTAL ADDRESS OF CLIENT, NAME, EMAIL ID, MOBILE No., Tele No. OF OFFICER IN CHARGE	DESCRIPTION OF WORK / HPP	WORK ORDER / P.O. REF & DATE	WORK DONE FOR WHICH MAKE & MODEL OF LIFTING EQUIPMENT
1				
2				
3				
4				
5				
6				
7				

SIGNATURE OF TENDERER WITH SEAL

- PLEASE USE ADDITIONAL SHEET IF NEEDED IN THE SAME FORMAT.
- PLEASE ENCLOSE COPIES OF WORK ORDERS/ RATE CONTRACT, SPECIFY WHETHER WORK EXECUTED FOR ASSEMBLY OR DISMANTLING, OR REPAIR / BREAK DOWN MAINTNEANCE.
- FULL EVIDENCE OF SATISFYING THE QUALIFICATION/ EXPERIENCE CLAUSE SHOULD BE GIVEN. THE ABOVE FORMAT IS ONLY SUGGESTIVE.

BHARAT HEAVY ELECTRICALS LIMITED
PSWR-NAGPUR
T.S.BHE/PW/PUR/ ARC-SJS /953/OJ