

TENDER SPECIFICATION

No. BHE/PW/PUR/KRST1-CRH/1265

FOR

SERVICES OF TOWER CRANE ON MONTHLY HIRING BASIS

FOR RENOVATION & RETROFITTING OF EXISTING

ELECTROSTATIC PRECIPITATORS & DUCTS

FOR STAGE- I&II (3X 200 MW + 3X500 MW)

AT

NTPC, KORBA SUPER THERMAL POWER STATION-KORBA

DISTRICT: KORBA, CHHATISSGARH

TECHNICAL BID - VOLUME- I

VOLUME-I CONSISTS OF:

- Notice Inviting Tender
- Volume I A - Technical Conditions of Contract,
 - Special conditions of Contract (SCC-Part of Volume IA)
- Volume I B -VOID
- Volume I C - General conditions of Contract

VOLUME-II CONSISTS OF:

- Price Bid Specification



BHARAT HEAVY ELECTRICALS LIMITED

(A Govt. of India Undertaking)

POWER SECTOR - WESTERN REGION

345-KINGSWAY, NAGPUR-440 001

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I-B	VOID	---
I-C	General Conditions of Contract	Attached Separately GCC
II	Price Bid Specification	Attached Separately Vol II

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/KRST1-CRH/1265

ISSUE DETAILS

NAME OF THE WORK:

PROVIDING SERVICES OF TOWER CRANE ON MONTHLY HIRING BASIS FOR RENOVATION & RETROFITTING OF EXISTING ELECTROSTATIC PRECIPITATORS & DUCTS WORK AT NTPC, KORBA SUPER THERMAL POWER STATION

LAST DATE & TIME FOR SUBMISSION OF COMPLETED OFFERS: PLEASE OBTAIN THE LATEST DETAILS FROM OUR WEB PAGE <http://www.bhel.com> (Tender Notifications, → View Corrigendum's)

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

M/s.....

.....

.....

(THESE TENDER SPECIFICATION DOCUMENTS ARE NOT TRANSFERABLE)

FOR BHARAT HEAVY ELECTRICALS LIMITED

Addl General Manager (Purchase)

PLACE: NAGPUR

DATE :



BHARAT HEAVY ELECTRICALS LIMITED
POWER SECTOR-WESTERN REGION
'Shreemohini' Complex, 5th floor
 345-Kingsway Nagpur 440001
 Phone: 0712-3048600-604 Fax: 0712-3048 605, 698, 699

NOTICE INVITING TENDER (NIT)
NOTE: BIDDER MAY DOWNLOAD FROM WEB SITES

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 the 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/KRST1-CRH/1265	
ii	Broad Scope of job	PROVIDING ROUND THE CLOCK SERVICES OF TOWER CRANE ON MONTHLY HIRING BASIS FOR RENOVATION & RETROFITTING OF EXISTING ELECTROSTATIC PRECIPITATORS & DUCTS FOR STAGE- I&II (3X 200 MW + 3X500 MW) AT NTPC, KORBA SUPER THERMAL POWER STATION-KORBA. DISTRICT: KORBA, CHHATTISGARH.	
iii	DETAILS OF TENDER DOCUMENT		
A	Volume-I	<u>Technical Bid</u>	Applicable
B	Volume-IA	<u>Technical Conditions of Contract (TCC) consisting of Scope of work, Technical Specification, Drawings, Procedures, Bill of Quantities, Terms of payment, etc</u>	Applicable
C	Volume-IB	Void	Applicable
D	Volume-IC	<u>General Conditions of Contract (GCC)</u>	Applicable
E	Volume-ID	Void	Applicable
F	Volume-II	<u>Price Schedule (Absolute value).</u>	Applicable
iv	Issue of Tender Documents	1. <u>Sale from BHEL PS Regional office at :</u> Start : 08/05/2014 Closes: 23/05/2014 , Time : 15.00 hrs 2. From BHEL website (www.bhel.com) Tender documents will be available for downloading from website till due date of submission	Applicable
v	DUE DATE & TIME OF OFFER SUBMISSION	Date : 23/05/2014, Time : 15.00 hrs Place : BHEL, PSWR Nagpur HQ.	Applicable
vi	OPENING OF TENDER	1 hours after the latest due date and time of Offer submission Notes: (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	Applicable

		<i>opening of tender</i>	
vii	EMD AMOUNT	Rs. 2 Lakhs	Applicable
viii	COST OF TENDER	Rs 2000/-.	Applicable
ix	LAST DATE FOR SEEKING CLARIFICATION	Date: At least 5 days before the due date of offer submission Along with soft version also, addressing to undersigned & to others as per contact address given below Mr Abhijeet kumar (kabhi@bhelpswr.co.in) Mr Nirmal P G (nirmalpg@bhelpswr.co.in) Mr Pratish Gee Varghese (pgv@bhelpswr.co.in)	Applicable
x	SCHEDULE OF Pre Bid Discussion (PBD)	Date : Not applicable.	Not applicable.
xi	INTEGRITY PACT & DETAILS OF INDEPENDENT EXTERNAL MONITOR (IEM)	Not Applicable	Not Applicable
xii	Latest updates	Latest updates on the important dates, Amendments, Correspondences, Corrigenda, Clarifications, Changes, Errata, Modifications, Revisions, etc to Tender Specifications will be hosted in BHEL webpage (www.bhel.com -->Tender Notifications →View Corrigendums) and not in the newspapers . Bidders to keep themselves updated with all such information	

- 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		
	ENVELOPE – I superscribed as : PART-I (TECHNO COMMERCIAL BID) TENDER NO : NAME OF WORK : PROJECT: DUE DATE OF SUBMISSION: 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: <ol style="list-style-type: none"> 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. <ol style="list-style-type: none"> 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 annexure, 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 : 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 OR 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"> ○ Envelopes I ○ Envelopes II ○ 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.

- 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 VOID

- 10.0 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.
- 11.0 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.
- 12.0 BHEL may decide holding pre-bid discussion [PBD] with all intending bidders as per date indicated in the NIT. The bidder shall ensure participation for the same at the appointed time, date and place as may be decided by BHEL. Bidders shall plan their visit accordingly. The outcome of pre-bid discussion (PBD) shall also form part of tender.
- 13.0 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.
- 14.0 Unless specifically mentioned otherwise, bidder's quoted price shall deemed to be in compliance with PBD.
- 15.0 Bidders shall submit Integrity Pact Agreement (Duly signed by authorized signatory who signs in the offer), **if applicable**, along with techno-commercial bid. This pact shall be considered as a preliminary qualification for further participation. **The names and other details of Independent External Monitor (IEM) for the subject tender is as given at point (xi) of 1 above.**
- 16.0 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 satisfying the Pre Qualification Criteria specified in this NIT as per Annexure-I (as applicable), past performance etc. and date of opening of price bids shall be intimated to only such bidders. BHEL reserves the right not to consider offers of parties under HOLD.
- 17.0 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.
- 18.0 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.
- 19.0 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/ 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.

- 20.0 On submission of offer, further consideration will be subject to compliance to tender & qualifying requirement and customer's acceptance, as applicable.
- 21.0 In case the bidder is an "Indian Agent of Foreign Principals", 'Agency agreement has to be submitted along with Bid, detailing the role of the agent along with the terms of payment for agency commission in INR, along with supporting documents.
- 22.0 The bidders shall not enter into any undisclosed M.O.U. or any understanding amongst themselves with respect to tender.
- 23.0 In case Consortium Bidding is allowed as per Pre Qualifying Requirement, then Prime Bidder and Consortium Partner shall enter into Consortium Agreement. Validity period of Consortium Agreement shall be 6 months after which the same can be re validated.
'Stand alone' bidder cannot become a **'prime bidder' or a 'consortium bidder' in a consortium bidding**. Prime bidder shall neither be a consortium partner to other prime bidder nor take any other consortium partners. However, consortium partner may enter into consortium agreement with other prime bidders. In case of non compliance, consortium bids of such Prime bidders will be rejected
- 24.0 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
- 25.0 The bidder may have to produce original document for verification if so decided by BHEL.
- 26.0 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.
- 27.0 **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.
- 28.0 **LATE TENDER:** Tender received after the specified date and time of submission shall not be considered in any circumstances.
- 29.0 A bidder must satisfy **all the Qualifying Requirements** stipulated under 'C', 'D' etc of this tender concurrently in order to get qualified.
- 30.0 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
 - d. Technical Conditions of Contract (TCC)—Volume-1A
 - e. Special Conditions of Contract (SCC) —Volume-1B
 - f. General Conditions of Contract (GCC) —Volume-1C
 - g. Forms and Procedures —Volume-1D

for BHARAT HEAVY ELECTRICALS LTD
AGM / Purchase

Enclosure.

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

ANNEXURE-I

PRE QUALIFYING REQUIREMENTS

JOB	PROVIDING ROUND THE CLOCK SERVICES OF TOWER CRANE ON MONTHLY HIRING BASIS FOR RENOVATION & RETROFITTING OF EXISTING ELECTROSTATIC PRECIPITATORS & DUCTS FOR STAGE- I&II (3X 200 MW + 3X500 MW) AT NTPC, KORBA SUPER THERMAL POWER STATION-KORBA. DISTRICT: KORBA, CHHATISSGARH.
TENDER NO	BHE/PW/PUR/KRST1-CRH/1265

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. (Bidder must fill up this column as per applicability)
A	Submission of Integrity Pact duly signed (if applicable)	NOT APPLICABLE	
B	<p><u>TECHNICAL</u></p> <p>B.1) Bidder must be in the business of providing Services of Crane hiring in last seven years as on latest date of offer submission.</p> <p style="text-align: center;">AND</p> <p>B.2) The crane offered by the bidder must meet the technical requirements of BHEL.</p>	APPLICABLE	
C-1	<p><u>FINANCIAL</u></p> <p>a) <u>TURNOVER criteria for bidders opting to offer One Crane only</u> Bidders must have achieved an average annual financial turnover (Audited) of Rs.79 Lakhs or more over last three Financial Years (FY) i.e.2011-12, 2012-13 & 2013-14 OR for yr 2010-11, 2011-12 & 2012-13 (in case Annual Accounts for FY 2013-14 is not audited).</p> <p style="text-align: center;">OR</p> <p>b) <u>TURNOVER criteria for bidders opting to offer Both the Cranes</u> Bidders must have achieved an average annual financial turnover (Audited) of Rs.158 Lakhs or more over last three Financial Years (FY) i.e. 2011-12, 2012-13 & 2013-14 OR for yr 2010-11, 2011-12 & 2012-13 (in case Annual Accounts for FY 2013-14 is not audited).</p> <p><i>* Either (a) or (b) shall be applicable based on bidders opting to offer One crane only or Both the cranes. In case a bidder cannot satisfy criteria (b), but satisfies criteria (a), the bidder shall be considered for one crane.</i></p>	APPLICABLE	
C-2	<p><u>NETWORTH (only in case of Companies)</u> Net worth of the Bidder based on the latest Audited Accounts as furnished for 'C-1' above should be positive</p>	APPLICABLE	

C-3	PROFIT Bidder must have earned cash profit in any one of the three Financial Years as applicable in the last three Financial Years defined in 'C-1 above based on latest Audited Accounts.	APPLICABLE	
D	Assessment of Capacity of Bidder to execute the work as per sl no 9 of NIT	NOT APPLICABLE	BY BHEL
E	Approval of Customer	NOT APPLICABLE	BY BHEL
F	Consortium criteria	NOT APPLICABLE	
	Explanatory Notes for QR <ol style="list-style-type: none"> 1. Bidder to submit Audited Balance Sheet and Profit and Loss Account for the respective years as indicated against C-1 above along with all annexures 2. In case audited Financial statements have not been submitted for all the three years as indicated against C-1 above, then the applicable audited statements submitted by the bidders against the requisite three years, will be averaged for three years i.e total divided by three. 3. C-2:-NETWORTH : Shall be calculated based on the latest Audited Accounts as furnished for C-1 above. Net worth = Paid up share capital + Reserves. (Net worth is required to be evaluated in case of companies) 4. C-3:- PROFIT : shall be NET profit (PAT + Non cash expenditure viz depreciation) earned during any one of the three financial years as in C-1 above 5. Time period for achievement of the 'Technical' criteria of PQR (as in 'B' above) will be the last 7 years ending on the 'latest date' of Bid submission 6. 'EXECUTED' means the Vendor should have achieved the criteria specified in the Technical criteria of PQR (as in 'B' above) even if the Contract has not been completed or closed 7. The value of work (Experience submitted against PQR B) shall be updated as per the PVC indices for "All India Avg. Consumer Price Index for Industrial Workers" with base month as date of execution (completion of contract/work) and indexed upto two months prior to bid opening month. 		

BIDDER SHALL SUBMIT ABOVE PRE-QUALIFICATION CRITERIA FORMAT, DULY FILLED-IN, SPECIFYING RESPECTIVE ANNEXURE NUMBER AGAINST EACH CRITERIA AND FURNISH RELEVANT DOCUMENT INCLUSIVE OF WORK ORDER AND WORK COMPLETION CERTIFICATE ETC IN THE RESPECTIVE ANNEXURES IN THEIR OFFER.

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 <i>(Please fill the contact details of the person responsible for the tender so that he/she can be contacted directly regarding any clarifications)</i>	Name : Mr/Ms Designation: Tel No: Mobile No: Email -Id:-	
4	EMD DETAILS	DD No: Date : Bank : Amount: <u>Please tick (√) whichever applicable:-</u> ONE TIME EMD / ONLY FOR THIS TENDER	
5	Validity of Offer	As per NIT	
		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 (Tech Bid & Price Bid) including annexures, appendices etc. are read understood and signed	Applicable	YES/NO
10	Declaration by authorized 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
18	Commercial invoice to be submitted as documental evidence for determining ownership & age of crane (crane shall not be more than 10 years old as on date of offer submission)	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)
2. All Statutory Requirements as applicable for this project shall be complied with.
3. Please take note of following Revised Tender Clauses:
 - a) General conditions of Contract: Clause No 1.15.13 (New), Clause No 2.8.3, 2.8.4 and 2.8.5

4. Broad Terms & Conditions of Reverse Auction

In continuation to Clause 19.0 of NIT (Notice Inviting Tender) following are the broad terms and conditions of Reverse Auction is given in Annexure V of NIT:

- 4.1. Against this enquiry for the subject item/ system with detailed scope of supply as per enquiry specifications, BHEL may resort to "REVERSE AUCTION PROCEDURE" i.e., ON LINE BIDDING (THROUGH A SERVICE PROVIDER). The philosophy followed for reverse auction shall be English Reverse (No ties).
- 4.2. BHEL reserves the right to go for Reverse Auction (RA) instead of opening the sealed envelope price bid, submitted by the bidder. This will be decided after techno-commercial evaluation. All bidders to give their acceptance for participation in RA. Non-acceptance to participate in RA may result in non-consideration of their bids. In case BHEL decides to go for Reverse Auction, only those bidders who have given their acceptance to participate in RA will be allowed to participate in the Reverse Auction. Those bidders who have given their acceptance to participate in Reverse Auction will have to necessarily submit „online sealed bid“ in the Reverse Auction. Non-submission of „online sealed bid“ by the bidder will be considered as tampering of the tender process and will invite action by BHEL as per extant guidelines in vogue.
- 4.3. For the proposed reverse auction, technically and commercially acceptable bidders only shall be eligible to participate.
- 4.4. Those bidders who have given their acceptance for Reverse Auction (quoted against this tender enquiry) will have to necessarily submit 'online sealed bid' in the Reverse Auction. Non-submission of 'online sealed bid' by the bidder for any of the eligible items for which techno-commercially qualified, will be

- considered as tampering of the tender process and will invite action by BHEL as per extant guidelines in vogue.
- 4.5. 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.
 - 4.6. In case of reverse auction, BHEL will inform the bidders the details of Service Provider to enable them to contact & get trained.
 - 4.7. Business rules like event date, time, bid decrement, extension etc. also will be communicated through service provider for compliance.
 - 4.8. Bidders have to fax the Compliance form (annexure IV) before start of Reverse auction. Without this, the bidder will not be eligible to participate in the event.
 - 4.9. In line with the NIT terms, BHEL will provide the calculation sheet (e.g., EXCEL sheet) which will help to arrive at "Total Cost to BHEL" like Packing & forwarding charges, Taxes and Duties, Freight charges, Insurance, Service Tax for Services and loading factors (for noncompliance to BHEL standard Commercial terms & conditions) for each of the bidder to enable them to fill-in the price and keep it ready for keying in during the Auction.
 - 4.10. Reverse auction will be conducted on scheduled date & time.
 - 4.11. At the end of Reverse Auction event, the lowest bidder value will be known on auction portal.
 - 4.12. The lowest bidder has to fax/e-mail the duly signed and filled-in prescribed format for price breakup including that of line items, if required, (Annexure VII) as provided on case-to-case basis to Service provider within two working days of Auction without fail.
 - 4.13. 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.
 - 4.14. Bidders shall be required to read the "Terms and Conditions" section of the auctions site of Service provider, using the Login IDs and passwords given to them by the service provider before reverse auction event. Bidders should acquaint themselves of the "Business Rules of Reverse Auction", which will be communicated before the Reverse Auction.
 - 4.15. If the Bidder or any of his representatives are found to be involved in Price manipulation/ cartel formation of any kind, directly or indirectly by communicating with other bidders, action as per extant BHEL guidelines, shall be initiated by BHEL and the results of the RA scrapped/ aborted.
 - 4.16. The Bidder shall not divulge either his Bids or any other exclusive details of BHEL to any other party.
 - 4.17. In case BHEL decides to go for reverse auction, the H1 bidder (whose quote is highest in online sealed bid) may not be allowed to participate in further RA process.

DECLARATION SHEET
TENDER SPECIFICATION No. BHE/PW/PUR/KRST1-CRH/1265

(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.
1. 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/KRST1-CRH/1265

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

**CERTIFICATE CONFIRMING
KNOWLEDGE ABOUT SITE CONDITIONS**

TENDER SPECIFICATION No. BHE/PW/PUR/KRST1-CRH/1265

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:

CERTIFICATE OF NO-DEVIATION

TENDER SPECIFICATION No. BHE/PW/PUR/KRST1-CRH/1265

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:

TECHNICAL CONDITIONS OF CONTRACT (TCC)- VOLUME-IA

PROJECT INFORMATION

1.0	Project Information
1.1	<p>INTROUCTION</p> <p>NTPC Korba Super Thermal Power Project located in Korba district of Chhattisgarh comprising of 3 units of 200 MW (stage-I-units 1,2 & 3) each and 3 units of 500 MW (stage-II-units 4,5&6) each</p> <p>The scope of the present project is to take up Renovation & Retrofitting of existing ESPs to meet the latest environmental norms of Chhattisgarh Environment Conservation Board (CECB) to reduce the emission level to 50 mg/Nm³.</p> <p>Work involved as Dismantling of Existing ESP Internals & other components, Disposal of the same to scrap yard, Transportation of materials from Customer storage to site of work and carrying out modifications as required, Erection, Testing & commissioning and Application of Insulation/cladding for the work of Renovation & Retrofitting of existing Electrostatic Precipitators & ducts.</p> <p>Site information</p> <p>5. Location and Approach: (i) Jamnipali, Korba. (ii) District: Korba (iii) State : Chhattisgarh</p> <p>6. Nearest Railway Station : KORBA</p> <p>14. Transport: a) By Rail : Broad Gauge Railway line of Eastern Railway b) Road : District High way</p> <p>15. Seismic Data : Zone – II as defined in IS: 1893 - 2002</p>

The bidder is advised to visit and examine the site of works and its surroundings and obtain for himself on his own responsibility all information that may be necessary for preparing the bid and entering into the contract. All costs for and associated with site visits shall be borne by the bidder.

TECHNICAL CONDITIONS OF CONTRACT (TCC)- VOLUME-IA

1.0 BROAD SCOPE OF WORK.

PROVIDING SERVICES OF TOWER CRANE ON MONTHLY HIRING BASIS FOR RENOVATION & RETROFITTING OF EXISTING ELECTROSTATIC PRECIPITATORS & DUCTS FOR STAGE- I&II (3X 200 MW + 3X500 MW) AT NTPC, KORBA SUPER THERMAL POWER STATION-KORBA. DISTRICT: KORBA, CHHATISSGARH.

The cranes shall be engaged in the project of 3X 200 MW & 3X500 MW for the work of Renovation & Retrofitting of existing Electrostatic Precipitators & ducts of this project wherever required as per instructions of the BHEL Engineer-in-Charge

The intent of this tender specification is to hire the services of two no. of Tower crane on monthly hire basis to suit the specified requirements.

1.1 Tower Crane: Tower Crane two no. with Accessories

Technical Requirement & Duration of Deployment

The offered crane shall meet the following requirements.

SN	Description of Parameter/Feature	Details/Requirement
01	Number of Tower Crane Required	2 Nos.
02	Crane Version	Stationary on foundation anchors. Detail Foundation design & drgs. and other technical inputs shall be furnished by the vendor to BHEL for providing foundation. Vendor's engineer shall certify the adequacy of foundation before assembling of the crane.
	Details of Lifts (Heavy Object, High Elevations)	
04	Min. Working height((Free Standing height – without any lateral support)	50 Meter (Free Standing height –without any lateral support)
05	Min. Working Radius	70 Meter. The crane shall have the facility of working in various heights as per erection requirement.
06	Load criteria: Tip load at 55 Meter jib Radius	5 MT lifting capacity required at 70 M length
07	Load criteria: Critical load at the centre of jib Radius.	10 MT lifting capacity required at centre of the boom
08	Tower type	Self-telescoping type tower with hydraulic climbing facility
09	Mechanism	Hoisting, Slewing, trolleying etc
10	Safety Devices Required	The crane shall be provided with all kinds of safety devices including load limiter, height limiter, slewing limiter, trolley brake etc. which are all mechanical & Electrical integration products, sensitive and reliable with the capability of working in construction site environment
11	Jib type	With Self Dismantling facility.
12	Protective facilities with the crane	The crane shall be equipped with rest platform and guard rail etc. and other protective facilities for

TECHNICAL CONDITIONS OF CONTRACT (TCC)- VOLUME-IA

SN	Description of Parameter/Feature	Details/Requirement
		operator's personal safety when moving up & down. Bidder shall specifically indicate the climbing facility provided with the crane.
13	Electrical power requirement to operate the crane	Bidder shall clearly indicate electrical power requirement to operate the crane which shall be provided by BHEL on free of charge basis.
14	Minimum free standing height of the crane and external Anchoring details	Free Standing height –without any lateral support
15	Wind speed limitation	Wind speed limitation considering storm conditions as per standard to be indicated by bidder. This is to be considered suitably while designing the foundation.
16	Deployment tentatively by	First Crane-1st of July -2014 2ND Crane-1st of Sept -2014
17	Deployment of Crane & Commencement of Services	Crane with crew complete in all respect shall reach project site & made available for BHEL's work after load test within 30 (Thirty) days from BHEL's written deployment notice for mentioned crane. Delay in deployment shall attract penalty as per clause no. 2.7.9 (Liquidated Damages/Penalty) of General Conditions of Contract- Volume-IC.
18	Duration of Hiring	Regular Duration: 24 (Twenty Four) months, Extendable by another 3 (three) months under the contractually agreed rate, terms & conditions.
19	THE AGE OF THE CRANE	THE AGE OF THE CRANE SHALL NOT BE MORE THAN 10 (TEN) YEARS OLD. RELEVANT DOCUMENTS SHOULD BE ATTACHED IN SUPPORT OF THE SAME.
20	Total amount payable towards mobilization and de-mobilization	As mentioned in Price bid by BHEL
21	Monthly hiring charges (considering cost of foundation for Tower crane) = 30 daysX12hrs.	To be quoted separately in Price Bid
22	Dismantling, local shifting and re-erection at different location at site (per shifting) Local shifting may be within the periphery of 300M from 1st location inside the project.	As mentioned in Price bid by BHEL

SPECIAL CONDITIONS OF CONTRACT (SCC)- PART OF VOLUME-IA

1.2 GENERAL REQUIREMENTS

1. The offered crane should have all kinds of safety devices including load limiter, height limiter, slewing limiter, grip block, trolley brake etc. which are all mechanical & Electrical integration products, sensitive and reliable with the capability of working in construction site environment. Other additional safety features, if any, should be made available to user without any additional cost.
2. Bidder shall submit along with technical bid a **copy of load chart** and technical details of crane offered as per Annexure I.

3. Deployment of Crane & Commencement of Services

SL.NO	PROJECT	CRANE CAP.	TENTATIVE DEPLOYMENT MONTH/YEAR	DURATION	EXTENSION PROVISION	QTY
1	NTPC,KORBA	20 MT	JUNE/2014	24	3	2

- The deployment schedule of the crane indicated earlier here is tentative. Notwithstanding such indications, **you shall deploy and make the crane operational at site within Thirty (30) days from the written intimation for deployment of crane.** A separate written notice asking to deploy the crane shall be issued for each crane by BHEL.
4. The crane shall be equipped with rest platform and guard rail etc. and other protective facilities for operator's personal safety when moving up & down. Bidder shall specifically indicate the climbing facility provided with the crane.
 5. **THE CRANE MUST BE IN THE POSSESSION OF BIDDER.** The manufacturing year of Cranes should not be more than 10 years as on the date of deployment. If at any moment of time during the execution of work, any crane is found to be not in a good working condition and non-performing at desired minimum capacity, as certified by BHEL engineer, the contractor shall deploy another crane in good working condition with minimum desired capacity.
 6. The crane shall be provided with operator, helper, service & maintenance staff & all other consumables (if any) on fixed monthly hire basis, with separate mobilization, demobilization charges. The crane should be in good working condition. Bidder may please note counter weight as required shall be in the scope of supply of bidder. Bidder shall also furnish detail Load Chart with range diagram and relevant drawings of Tower Crane. The cranes proposed to be hired are planned for R&M work in ESP Area .Hence the subject Crane shall have the capability of working at various heights.

2.0 OPERATION, MAINTENANCE AND OPERATING CREW CHARGES

- 2.1 The price quoted shall be inclusive of operation (**excluding fuel**) and preventive as well as breakdown maintenance of the crane. The bidder shall deploy Operator-cum-Mechanic, Helper and Maintenance Crew to ensure smooth operation and maintenance of the crane without affecting work. No extra payment shall be made towards engagement of crew in overtime working hours. The crane shall be available for service on all days of the month. Bidder shall carry out preventive maintenance beyond normal working hours or as per schedule agreed with BHEL engineer.
- 2.2 Bidder shall provide all lubricants, spare parts, filters and other necessary consumables (**except fuel**) that are necessary to fulfil the scope of services under this specification within the quoted rates. BHEL/erection contractors of BHEL will provide fuel commensurate with utilization time and agreed consumption rate.

3.0 COMMENCEMENT OF CONTRACT, REGULAR CONTRACT PERIOD, TERMINATION & FORECLOSING

The contract period shall commence from the 1st successful load testing of Tower crane with mutually agreed working height and working radius project site location and its written

SPECIAL CONDITIONS OF CONTRACT (SCC)- PART OF VOLUME-IA

acceptance by BHEL at first location. Duration of hiring will generally be as indicated under 'Regular Duration' in tabular form earlier here. Contract Period may be extended depending upon the requirement of BHEL as specified therein. Load testing,

If the performance/services of the contractor or the deployed crane are not to the satisfaction of BHEL, the contract is liable for termination without prior notice.

BHEL reserves the right of foreclosing the contract within the contract period with 30 days advance written notice without assigning reason and no payments will be made for the period after foreclosure.

4.0 REGULAR WORKING HOURS

The services of crane with operating crew shall be made available for duration of Twenty Four (24) hours per day including total two-hour break (60 minutes for lunch and 4 tea intervals of 15 minute each). **The working hours will be round the clock.** However, this shall be adjusted to suit the working hours of the project site from time to time.

5.0 RATE SCHEDULE, QUOTED RATES/PRICE & CONTRACT VALUE.

5.1 Bidders shall quote their price in the Rate Schedule furnished in "Price Bid Specification" issued as Part-II of this tender specification.

5.2 **Total amount payable towards mobilization and de-mobilization** of respective crane shall be as in the table below:

S No.	Description of Crane	Total Amount for Mobilization and Demobilization
1	Tower Crane	Rs. 18,25,000/-

Respective amounts are also indicated in the Rate Schedule for respective cranes. Bidder shall neither quote any amount towards mobilization and demobilization separately nor make any alteration in these amounts specified by BHEL. Offers with any deviation in this regard will be rejected.

5.3 Bidder shall quote only monthly hire charges rate and indicate the corresponding amount for the duration indicated in the Rate Schedule. Bidder shall also indicate the total amount comprising of total monthly hire charges and mobilization & de-mobilization charges for the crane. In case of any discrepancy between the rates and amounts, the monthly hire charge rate quoted by the bidder shall be considered as correct and the grand total amount for the crane shall be re-calculated for the purpose of offer evaluation.

5.4 Agreed monthly hire charge shall remain **firm** throughout the **Regular Duration** indicated against the crane. Applicable monthly hire charge for **Extension Period** as proposed in this Tender Specification shall be **90%** of the rates agreed for the regular contract/hiring period. No other revision of the rate shall be admitted during these periods.

5.5 **Road permits, Octroi, VAT, CST and Declaration Forms etc. required for deployment of the crane at the destination sites shall be arranged by the bidder and necessary registration and/or permission as may be applicable in the respective states shall duly be complied with by the bidder. Quoted price/rates shall be inclusive of above. BHEL will neither issue any Road Permit /VAT/CST declaration forms for this purpose nor pay any taxes in this regard.**

5.6 Prices shall be inclusive of all applicable taxes (**excepting Service Tax**), levies, services, consumables (**excepting fuel**), as per provisions under the Terms & Conditions in scope of contractor mentioned in this Tender Specification.

6.0 Contract Value for Offer Evaluation & Work Order (Award Value):

SPECIAL CONDITIONS OF CONTRACT (SCC)- PART OF VOLUME-IA

- (i) Total amount payable towards mobilization and de-mobilization.
- (ii) Total hire charges of Crane for the Regular Duration of the crane as per Tender Specification.

8.0 TAXES, DUTIES, LEVIES (Consolidated Rev 03 dated 09/04/2013)

8.1. For All types of works excepting works covered under sl no 8.2

8.1.1

The contractor shall pay all (save the specific exclusions as enumerated in this contract) taxes, fees, license charges, deposits, duties, tools, royalty, commissions or other charges which may be levied on the input goods & services consumed and output goods & services delivered in course of his operations in executing the contract. In case BHEL is forced to pay any of such taxes, BHEL shall have the right to recover the same from his bills or otherwise as deemed fit.

However, provisions regarding Service Tax and Value Added Tax (VAT) on output services and goods shall be as per following clauses.

8.1.2 Service Tax & Cess on Service Tax

Contractor's price/rates shall be exclusive of Service Tax and Cess on Services. In case, it becomes mandatory for the contractor under provisions of relevant act/law to collect the Service Tax & Cess from BHEL and pay the same to the concerned tax authorities, such applicable amount will be paid by BHEL at the prevailing Service Tax Rate (presently 12.36 %) on the admitted bill value.

Contractor shall submit to BHEL documentary evidence of Service Tax registration certificate specifying name of services covered under this contract. Contractor shall submit serially numbered Service Tax and Cess Invoice, signed by him or a person authorized by him in respect of taxable service provided, and shall contain the following, namely,

1. The name, address and the registration number of the contractor,
2. The name and address of the party receiving taxable service,
3. Description, classification and value of taxable service provided and,
4. The service tax payable thereon.

All the Four conditions shall be fulfilled in the invoice before release of service tax payment.

Wherever, more than one route/option are available for discharge of service tax liability under a particular service, (e.g. "works contract Service"), contractor shall obtain prior written consent from BHEL site before billing the amount towards Service Tax.

8.1.3 VAT (Sales Tax /WCT)

As per the extant provisions of respective states, if any VAT liability arises due to transactions under the scope of this contract, the same shall be borne by the contractor and quoted price shall be inclusive of same.

In case, BHEL is forced to pay any VAT liability on behalf of contractor, the same will be recovered from contractor's bill or otherwise as deemed fit.

8.2 New Taxes/Levies

In case the Government imposes any new levy/tax on the output service/ goods/work after award of the contract, the same shall be reimbursed by BHEL at actual.

In case any new tax/levy/duty etc. becomes applicable after the date of Bidder's offer, the Bidder/Contractor must convey its impact on his price duly substantiated by documentary evidence in support of the same **before opening of Price Bid**. Claim for any such impact after opening the Price Bid will not be considered by BHEL for reimbursement of tax or reassessment of offer.

SPECIAL CONDITIONS OF CONTRACT (SCC)- PART OF VOLUME-IA

No reimbursement/recovery on account of increase/reduction in the rate of taxes, levies, duties etc. on input goods/services/work shall be made. Such impact shall be taken care of by the Price Variation/Adjustment Clause (PVC) if any. In case PVC is not applicable for the contract, Bidder has to make his own assessment of the impact of future variation if any, in rates of taxes/duties/ levies etc. in his price bid.

9 SECURITY DEPOSIT & BANK GUARANTEE

9.01 Security Deposit: Please refer GCC.

9.02 Contract Value for Security Deposit (SD):

At the beginning of contract, the Security Deposit shall be calculated according to the awarded Contract Value. Subsequently amount of SD shall be regulated based on the Contract Value that is arrived at after taking care of time extensions, short closure etc. Accordingly contractor shall pay additional amount of SD or BHEL will adjust/refund excess SD if any.

09.3. Guidelines for acceptance of Bank Guarantees are as follows :

- Vendors are advised to obtain BG from any of the following BHEL consortium banks

State Bank of India	The Hongkong and Shanghai banking Corporation Ltd.
ICICI Bank Ltd	ABN Amro Bank N.V
Bank of Baroda	IDBI Ltd
Canara Bank	Punjab National Bank
Citi bank N.A	Standard Chartered Bank
Corporation Bank	State Bank of Travancore
Detshe Bank	State Bank of Hyderabad
HDFC Bank Ltd	Syndicate Bank

- The Bank Guarantees of all Public sector banks shall be accepted (Other than consortium banks also).
- The Bank Guarantees of Co-operative banks shall not be accepted.
- Bank Guarantees of other banks (banks other than consortium bank, public sector bank, & Co-operative banks) can be accepted subject to an overall exposure limit (at BHEL, PSWR, Nagpur) of RS. 10 crores for banks with net worth of more than Rs. 500 crores as on last balance sheet date and Rs 5 crores for banks with net worth between Rs. 350 to Rs 500 crores (A certificate and copy of latest Balance Sheet to be given at the time of submission of bank guarantees .

In case Bank Guarantees given by non consortium banks (Private sector or Public sector), the bank Guarantees shall be enforceable at Nagpur, Maharashtra.

10.0 PAYMENT TERMS

10.1

The contractor shall submit his Running Account (RA) Bills towards mobilization, monthly charges, demobilization charges and Service Tax etc with all the details required by BHEL on or before the specified date every month. Payment of Monthly Hire Charges as certified by the BHEL Engineer-in-Charge will be made once in a calendar month at BHEL Site. Billing cycle may be as per mutually agreed cut-off dates.

10.2

Payment for RA Bills will normally be released in around 30 days of submission of the bill with measurement/log sheets. Contractor shall make his own arrangement for making payment of impending labour wages and other dues in the meanwhile.

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10.3

Progressive Monthly hiring period shall be considered for payment purpose from the date of successful load testing of the crane and till the crane withdrawn for de-mobilization at one particular point. The next hiring charges will again start from the date of successful load testing of crane at new location till further withdrawal & so on.. The intermediate period will be accounted against mobilization/demobilization, local shifting etc. which shall be paid separately under relevant item in BOQ and as mentioned under Section A of SCC clause No. 1.1 point no. 22.

10.4

No advance payments shall be made by BHEL for this contract.

10.5

Payment towards mobilization and de-mobilisation of crane shall be made in the manner as specified below.

1. First 50% of the specified amount for mobilization and demobilization will be paid after deployment of the crane complete in all respects including all assemblies, sub-assemblies, accessories & components, assembly of crane as required by BHEL and BHEL's acceptance of load test of assembled crane at site.
2. Remaining 50% of the specified amount for mobilization and demobilization will be paid after removing the crane from the project site and clearing the site premises in all respect.

10.6 PRO RATA DAILY & HOURLY HIRE CHARGES

In case services are availed for part of a calendar month, pro-rata payment of Hire Charges for the utilized number of days shall be made by BHEL. Pro-rata daily hire charges shall be calculated as follows.

10.6.1 Pro Rata Daily Hire Charges = Monthly Hire Charges divided by 30

10.6.2 Pro Rata Hourly Hire Charges = Monthly Hire Charges divided by 360

11.0 Safety, Occupational Health and Environmental Management

This shall be as per the norms at the project site where the crane is deployed.

12.0: BREAK IN SERVICES DUE TO BREAKDOWN, ABSENCE OF OPERATING CREW ETC. : DISALLOWANCE OF RENTAL/ OFFSETTING OF LOST HOURS

12.1.1 The contractor shall ensure 100% availability of the services of crane. If however there is any breakdown of the crane, the services shall be restored at the earliest so as not to affect the work at project site. **Disallowance in monthly rental charges** shall be made towards non-availability of services of crane for any reasons whatsoever as under:

12.1.2 Individual Incidences of Breakdown

- a) **Up to 4 (four) hours in a single incidence:** Single pro-rata basis.
- b) **Single Incidence stretching more than four hours:** Single pro-rata basis up to 4 hours, followed by double pro-rata basis for duration exceeding four hours.

12.1.3 Cumulative Breakdown Duration in a Month

- a) **Up to 36 Hours in a Complete Calendar Month:** Single Pro-Rata basis.*
- b) **Exceeding 36 Hours in a Complete Calendar Month:** Single Pro-Rata basis up to 36 hours, followed by double pro-rata basis for duration exceeding 36 hours. *

*** In both the cases (10.1.2.a and 10.1.2.b) as above, the conditions regarding disallowance due to individual incidence of breakdown (10.1.1.a and 10.1.1.b) shall essentially be applicable irrespective of the Cumulative Duration in the month.**

SPECIAL CONDITIONS OF CONTRACT (SCC)- PART OF VOLUME-IA

12.1.4 For billing period less than one calendar month, the limit of 36 hours shall be pro-rated as 10% of the Hire Period in number of hours (e.g. Hire Period in hours = utilized number of days in the calendar month x 12 hours per day).

12.2

BHEL may also choose to utilize the services of the crane in extended hours or on holidays to offset the lost hours due to breakdown in lieu of disallowance as stipulated above. Construction Manager BHEL shall permit offsetting of lost hours only after the incidence of such breakdown and usually within the remaining period of the concerned calendar month of breakdown. Carrying forward to subsequent months shall be at the sole discretion of BHEL construction manager.

Offsetting shall be done with express prior permission of BHEL Construction Manager by availing the services in extended hours or on holidays maximum up to the same number of hours lost due to breakdown irrespective of the total duration or single instance duration mentioned in earlier paragraphs. Depending on the actual project requirement, BHEL may opt to offset the lost hours due to breakdown either partly or fully. In the event of partial offsetting, disallowance as in relevant clause shall be applicable for the remaining lost hours.

12.3

In case there is a major breakdown of the crane, the contractor shall repair it or substitute with similar or higher capacity crane with BHEL's prior consent (regarding acceptability of the substitute) within 15 days. Failure to do so, shall entitle BHEL to arrange alternative at the risk and cost of contractor. Disallowance of rental charges shall be applicable in accordance with relevant clause.

13.0 SCOPE FOR MOBILISATION & DEMOBILISATION

Contractor shall arrange suitable capacity assist cranes and Tools & Tackles at the respective project site for unloading of crane sub-assemblies, components, assembly, dismantling/loading of the crane during mobilization & de-mobilization of crane. Contractor shall also arrange to and fro transportation, skilled manpower and consumables at his own cost.

14.0 DAILY LOG BOOK

The contractor shall maintain a logbook in duplicate giving full operation details, preventive maintenance and Breakdown records and obtain counter signature of BHEL Engineer in Charge on a daily basis. Original log sheets shall be submitted to BHEL at regular intervals as directed by BHEL and before submission of monthly bills.

15.0 REPAIR & MAINTENANCE COST

The cost of repairs arising during the operation should be borne by the contractor. Necessary manpower, fuel, lubricants, tools & tackles, assist cranes and spare parts shall be made available by the contractor as a normal scope to attend the breakdowns.

16.0 RELIEVERS FOR OPERATING CREW

In case any member of the operating crew proceeds on leave/ is absent, the contractor shall arrange alternative beforehand for continuation of work to meet BHEL's time-bound erection programme.

17.0 BOOM EXTENSION & REDUCTION

First assembly of the entire crane including required boom length, as decided by Construction Manager BHEL and dismantling for demobilization are in regular scope of these services.

SPECIAL CONDITIONS OF CONTRACT (SCC)- PART OF VOLUME-IA

For any in-between requirement of boom extension or reduction of the cranes at site, the manpower, tools and tackles required shall be provided by BHEL's erection agency free of charges. However the Contractor shall extend supervisory services of the operating crew for all such instances as necessary for BHEL. This duration shall be treated as services utilized and considered for payment of hire charges.

18.0 INSURANCE COVER FOR MEN & MATERIALS

The Contractor shall arrange necessary CPM Insurance cover with appropriate Third Party Liability cover for the cranes and WC/Personal Accident Policy as applicable for the O&M crew. If any accident/injury/loss occurs due to the operation of the crane/cranes, to any other persons/ public and the properties of BHEL/client/other agencies/third party, the contractor shall have to pay necessary compensation and other expense, so decided by the appropriate authorities.

BHEL/Client has obtained comprehensive Marine cum Erection All Risks Insurance Policy for the plant under installation and other assets of BHEL. Accidental loss/damage to these materials will be covered under this policy. Contractor shall arrange for necessary insurance cover for the assets owned by him.

19.0 ACCOMODATION & LOCAL CONVEYANCE

Contractor has to make their own arrangement for accommodation, local transport and other amenities for their crew at project site.

20.0 FITNESS OF CRANE AS HEAVY LIFTING EQUIPMENT

Contractor shall arrange and submit fitness certificate of the assembled crane at site from the statutory authority as applicable.

21.0 LOAD TESTING AT SITE

BHEL will provide suitable load for carrying out the load test on assembled crane, however contractor shall arrange to & fro transportation of such test load within plant premises and return the same after completion of load test at their own cost. Depending upon the availability of load, the load test shall be conducted at the appropriate radius as applicable for a particular boom length as per crane load capacity chart.

22.0 GATE PASS FOR MEN & MATERIALS

Contractor shall arrange the entry/out gate pass for their crew 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.

23.0 LIQUIDATED DAMAGES: AS PER GCC

24.0 FUEL, LUBE AND HYDRAULIC OIL ETC.

Fuel oil (HSD) for normal operation of the crane shall be provided by BHEL/ BHEL's erection contractor after the services of the crane is accepted by BHEL after first load test till the services are being utilized by BHEL. Consumption of fuel shall be as indicated by the bidder in this offer (Technical Bid). Excess consumption, if any, due to inefficient engine performance, leakage, theft and other reasons attributable to the bidder/crane shall be on the bidders account. The bidder at his own cost shall arrange and meet the HSD required during breakdown maintenance.

Hydraulic oil, Engine Oil, Grease and all other lubricants and associated consumables e.g. filter elements etc have to be arranged by the contractor/bidder at his own cost. In case such or any consumables are arranged by BHEL, recovery at actual procurement cost plus overhead charges (Currently @30%) shall be recovered by BHEL.

25.0 HOLIDAYS AND OTHER BENEFITS:

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Three national holidays shall be treated as holidays for the operation of this contract. In case services are availed on these days, the same will be treated as overtime.

Being an important power project construction work, erection activities are likely to be carried out on Sundays and other holidays as well. No extra payments are envisaged other than the rentals for such holidays as specified elsewhere herein. The rates quoted by bidders shall be inclusive of such considerations.

26.0 STATUTORY REQUIREMENTS

ESI & EPF as applicable shall be obtained by the Contractor within the quoted rates.

27.0 SUSPENSION OF BUSINESS DEALING WITH CONTRACTORS

A bidder may be put on HOLD for a period of 6 months, for future tenders for specific works on the basis of one or more of the following reasons:

- I. Bidder does not honor his own offer or any of its conditions within the validity period.
- II. Bidder fails to respond against three consecutive enquires of BHEL.
- III. After placement of order, Bidder fails to execute a contract.
- IV. Bidder fails to settle sundry debt account, for which he is legitimately liable, within one year of its occurrence.
- V. Bidder's performance rating falls below 60% in specific category.
- VI. Bidder works are under strike/ lockout for a long period.

A Bidder may be de-listed from the list of registered Bidders of the region for a period of 1 year on the basis of one or more of the following reasons:-

- VII. Bidder tampers with tendering procedure affecting ordering process or commits any misconduct which is contrary to business ethics.
- VIII. Bidder has substituted, damaged, failed to return, short returned or unauthorized disposed off materials/ documents/ drawings/ tools etc of BHEL.
- IX. Bidder no longer has the technical staff, equipment, financial resources etc. required to execute the orders/ contracts.

A Bidder can be banned from doing any business with all Units of BHEL for a period of 3 years on the basis of one or more of the following reasons:

- X. Bidder is found to be responsible for submitting fake/ false/ forged documents, certificates, or information prejudicial to BHEL's interest.
- XI. In spite of warnings, the Bidder persistently violates or circumvents the provisions of labour laws/ regulations/ rules and other statutory requirements.
- XII. Bidder is found to be involved in cartel formation.
- XIII. The Bidder has indulged in malpractices or misconduct such as bribery, corruption and fraud, pilferage etc which are contrary to business ethics.
- XIV. The Bidder is found guilty by any court of law for criminal activity/ offences involving moral turpitude in relation to business dealings.
- XV. The Bidder is declared bankrupt, insolvent, has wound up or been dissolved; i.e. ceases to exist for all practical purposes.
- XVI. Bidder is found to have obtained Official Company information/ documentation by questionable means.

Communication is received from the administrative Ministry of BHEL to ban the Bidder from business dealings.

28.0 GENERAL

- 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.

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- In case of contradictions between Quoted Unit Rate and Total Amount, the quoted Unit Rate shall be taken as correct and total amount recalculated for the intended order quantity.
- In case of contradictions between Rates in Figures and Rates Words, the lesser of the two shall be considered as correct.
- **In case BHEL finds that any bidder has furnished incorrect information, the offer is liable for rejection.**

29.0 MODALITY OF OPERATION/AWARD OF THE CONTRACT:-

1. This tender requires 02 (nos.) of Tower cranes as per the Technical specifications mentioned in Broad Scope of Work. Both the cranes shall now be identified as following:-
 - A. CRANE-01
 - B. CRANE-02
2. Bidders may submit their offer for either one crane or both the cranes and must submit declaration to this effect in the below format:-

To be filled by Bidders	
Participating for (Tick as applicable)	<input type="checkbox"/> One Crane only <input type="checkbox"/> Two Cranes

3. Price quoted for both the cranes shall be same in the Price bid format and only one price bid shall be submitted by the bidder.
4. The award of work shall be as per the modality as follows:-
 - a) L-1 party shall be considered for the award of CRANE-01.
 - b) In case, L-1 party has offered two cranes in the tender, CRANE-02 shall also be awarded to L-1 party at the final L-1 accepted price.
 - c) In case, L-1 party has offered only one crane, next bidders in the order of their price competitiveness (L-2, then L-3 and henceforth) shall be given the option to match L-1 accepted price for CRANE-02. Bidder matching L-1 accepted price shall be considered for CRANE-02.
 - d) In case, L-1 party has offered only one crane, and none of the bidders matches L-1 accepted price, BHEL reserves right to opt any other suitable method to finalise/award CRANE-02.
5. Bidders offering two cranes are required to submit same price for both the cranes in the price bid format.

*In case any bidder submits separate price bids for both the cranes, lowest price offered shall be considered for evaluation.

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INSTRUCTION FOR FILLING UP APPENDICES

Please note the following while filling up the Appendices.

- 1. Blank Formats for technical and other essential details of offered Crane/s are furnished in these Appendices. Bidder must fill up all the details and submit as part of Technical cum Commercial Bid. These details shall not be furnished with Price Bid.**
- 2. In case the Bidder offers alternative models for a particular requirement, they shall use copy of the relevant Appendix for furnishing these details for each alternative/option.**
- 3. Options must be clearly assigned identification numbers and indicated in the relevant space in the Appendix.**
- 4. Bidders shall furnish appropriate supporting documents duly furnishing cross-reference in the Appendices.**
- 5. In case of insufficient space in the Appendix, bidder shall use additional sheets in order to furnish complete information.**

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APPENDIX-1

TECHNICAL DETAILS OF OFFERED TOWER CRANE			
SN	DESCRIPTION	AS BEING OFFERED BY BIDDER	SUPPORTING DOCUMENT REFERENCE
1	NAME OF CRANE MANUFACTURER		
2	TOWER CRANE MODEL NO.		
3	MFG SL. NO. OF CRANE		
4	CRANE VERSION:		
5	MAXIMUM RATED CAPACITY IN METRIC TONNES		
6	MINIMUM WORKING HEIGHT		
7	MIN. WORKING RADIUS		
8	LOAD CRITERIA: TIP LOAD AT 70 METER JIB RADIUS		
9	LOAD CRITERIA: CRITICAL LOAD AT THE CENTRE OF JIB RADIUS		
10	TOWER TYPE		
11	MECHANISM		
12	SAFETY DEVICES REQUIRED : I) LOAD LIMITER II) HEIGHT LIMITER III) SLEW LIMITER IV) TROLLEY BRAKE		
13	JIB TYPE		
14	PROTECTIVE FACILITIES WITH THE CRANE		
15	ELECTRICAL POWER REQUIREMENT TO OPERATE THE CRANE .		
16	MINIMUM FREE STANDING HEIGHT OF THE CRANE AND EXTERNAL ANCHORING DETAILS		
17	WIND SPEED LIMITATION		
18	FURNISH COMPLETE DESIGN DETAIL OF FOUNDATION DESIGN & DRGS. AND OTHER TECHNICAL INPUTS. VENDOR SHALL HAVE TO		

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TECHNICAL DETAILS OF OFFERED TOWER CRANE			
SN	DESCRIPTION	AS BEING OFFERED BY BIDDER	SUPPORTING DOCUMENT REFERENCE
	CARRY OUT ALL RELATED WORKS REQUIRED FOR FOUNDATION AND ERECTION OF CRANE WITH PROVIDING OF ALL MATERIALS FOR TOWER CRANE AND ASSEMBLY AT SITE TILL OPERATION AND MAINTENANCE AS SCOPE OF WORK.		
19	COPY OF LATEST TEST CERTIFICATE		
20	CRANE LOAD CAPACITY CHART ENCLOSED		
21	CRANE PRODUCT CATALOGUE ENCLOSED		
22	DETAILS OF SAFETY FEATURES IN THE OFFERED CRANE		
2	CERTIFICATION OF "SAFE CONSTRUCTION EQUIPMENT" OF THE OFFERED CRANE FROM ANY REGULATORY AUTHORITY		
23	DIMENSION OF CRANE IN OPERABLE CONDITION (WITH SKETCH/DRAWING/PHOTOGRAPH)		
24	PRESENT LOCATION OF ENGAGEMENT OF THE OFFERED CRANE WITH CONTACT TELEPHONE NUMBERS AND ADDRESS		
25	SCHEDULE FOR DEPLOYMENT AT BHEL PROJECT SITE AS PER TENDER SPECIFICATION		
26	DEPLOYMENT HISTORY OF OFFERED CRANE IN LAST FIVE YEARS (INDICATING NAMES OF THE CUSTOMERS IN NEXT COLUMN, AND ENCLOSE COPY OF ORDERS AND COMPLETION CERTIFICATE AS REF DOCUMENTS	08-09 09-10 10-11 11-12 12-13	A) B) C) D) E)

SIGNATURE OF BIDDER WITH SEAL