



भारत हेवी इलेक्ट्रिकल्स लिमिटेड  
Bharat Heavy Electricals Limited

BHEL House, Siri Fort, New Delhi-110049

Corporate Administration/Asiad

Ref: No. AA:GAX:15:BH:101

Dated: 18.04.2015

Last date of submission of tender – 21/04/2015 by 2:30 PM

Due date for opening of tender – 21/04/2015 at 3:00 PM

**Sub: Single Tender for Retrofitting and Rehabilitation of Structural Elements (Beams, Slabs and Columns) at BHEL House, Siri Fort, New Delhi.**

Your most competitive bid is invited in sealed cover for the subject tender. The tender enquiry containing the terms & conditions of the tender is enclosed.

The tender should reach the undersigned on or before the last date for submission of tender mentioned above. BHEL will not be responsible for delay in receipt of tender, sent by post / courier. Any corrigendum to this tender, if issued by BHEL in future, will be uploaded on the BHEL website (www.bhel.com) or may inform to you by mail. Therefore, you are advised to keep visiting the website regularly. Any clarification, if required, should be sought from the undersigned. Only one party is permitted to participate in this single tender:

(i) M/s Sanrachna Structural Strengthening Pvt. Ltd.

For & on behalf of BHEL

(Amit Wadekar)

Sr. Engineer (HR-GAX)

Phone no.: 011 – 66337440

Fax: 011 - 66337428

E-mail: amitwadekar@bhel.in

**अमित वाडेकर / AMIT WADEKAR**

वरिष्ठ अभियंता (सीवील) / Sr. Engineer (Civil)

मा.सं./प्रशासन / HR / Administration

भारत हेवी इलेक्ट्रिकल्स लिमिटेड / Bharat Heavy Electricals Ltd.

बी.एच.ई.एल. हाउस, सीरी फोर्ट / BHEL House, Siri Fort

नई दिल्ली-110 049 / New Delhi - 110 049



भारत हेवी इलेक्ट्रिकल्स लिमिटेड  
Bharat Heavy Electricals Limited

Ref: AA:GAX:15:BH:101  
Date: 18.04.2015

Submission of tender on 21/04/2015 by 2:30 PM  
Due date for opening on 21/04/2015 at 3:00 PM

**Subject: Single Tender for Retrofitting and Rehabilitation of Structural Elements  
(Beams, Slabs and Columns) at BHEL House, Siri Fort, New Delhi.**

Dear Sirs,

We are pleased to invite your offers, in sealed covers for the subject work. The terms & conditions of the enquiry are mentioned below:-

**1.0 TERMS & CONDITIONS OF CONTRACT:**

- 1.01 Enquiry No. & due date must be legible super scribed on the envelope.
- 1.02 Tenders shall be received and opened on the due date and time as mentioned above and opening will be in the presence of bidders or their authorized representatives who may like to be present.
- 1.03 Tenders shall be strictly in accordance with the tender specifications. Any deviations shall be listed out separately.
- 1.04 Prices shall remain valid for 60 days from the last date of bid submission.
- 1.05 BHEL shall be entitled to accept or reject any tender in part or full without assigning any reason whatsoever.
- 1.06 Tender received after due date & time are liable to be rejected.
- 1.07 BHEL reserves the right to increase or decrease the quantity of items up to 25% in the BOQ at the same rates and terms and conditions of this contract.
- 1.08 Tender should be submitted along with covering letter of the party and duly signed / accepted on each and every pages of the tender.
- 1.09 Tenderer has to deposit **EMD of Rs. 10000/- (Ten Thousand only)** along the bid in the form of Pay Order or Demand Draft only in favour of BHEL, payable at New Delhi. EMD submitted by tenderer will be forfeited if tenderer fails to abide by the terms & conditions of the contract.
- 1.10 **Security Deposit:** Upon acceptance of tender, the party must submit the security deposit @ 10% of total contract value in any of the following form:
  - i) Cash (as permissible in the income tax act)
  - ii) Pay Order, Demand Draft in favour of BHEL
  - iii) Local cheques of scheduled bank, subject to realization

A handwritten signature in black ink, appearing to be 'F. A.', is located at the bottom right of the page.



भारत हेवी इलेक्ट्रिकल्स लिमिटेड  
Bharat Heavy Electricals Limited

- ii) Securities available from Post Offices such as National Saving Certificates, Kisan Vikas Patras etc. (certificates should be held in the name of Contractor furnishing the security and duly pledged in favour of BHEL and discharged on the back).
  - iii) Bank Guarantee from Scheduled Banks/ Public Financial Institutions as defined in the Companies Act. The Bank Guarantee format should have the approval of BHEL.
  - iv) Fixed Deposit Receipt issued by Scheduled Banks/ Public Financial Institutions as defined in the Companies Act. The FDR should be in the name of the contractor, A/C BHEL, duly discharged on the back.
  - v) Security deposit can also be recovered at the rate of 10% from the running bills. However in such cases at least 50% of the Security Deposit should be collected before start of the work and the balance 50% may be recovered from the running bills.  
(Note: In case of small value contracts not exceeding Rs.10 lakhs and all SAS jobs, work can be started before Security Deposit is collected. However, payment can be released only after collection/ recovery of initial 50% Security Deposit).
  - vi) EMD of the successful tenderer can be converted and adjusted against the security deposit.
  - vii) The security deposit shall not carry any interest.  
(Note: Acceptance of Security Deposit against Sl. No. (iv) and (vi) above will be subject to hypothecation or endorsement on the documents in favour of BHEL. However, BHEL will not be liable or responsible in any manner for the collection of interest or renewal of the documents or in any other matter connected herewith).
  - viii) Security deposit shall not be refunded to the contractor except in accordance with the terms of the contract.
- 1.11 EMD of party will be converted into security deposit and balance amount of security deposit will have to be deposited as per clause No. 1.10. EMD shall not carry any interest.
  - 1.12 Prices quoted by the party will be firm and no escalation on account of labour or material or taxes or any reason what so ever will be paid to contractor for execution of the above job.
  - 1.13 Prices quoted by the party shall be inclusive of all taxes etc. as prevailing on Works Contract but excluding of service tax if applicable.
  - 1.14 Entire work has to be completed within 25 days from the date of award of work failing which liquidated damages will be imposed @ 1/2 % (Half Percent) of the Gross Value of the work per day of delay subject to maximum 10% of the Gross Value.
  - 1.15 Full and final bill will be paid after successful completion of job.
  - 1.16 Party is requested to go through the scope of work, visit the site location etc and get fully acquainted with the work place and prevailing working conditions and clarifies all doubts regarding above job before submitting the offer. Engineer-in-charge's decision will be full and final in the event of any doubt.
  - 1.17 The party must comply all statutory labour law regulations applicable on this contract i.e. like minimum wages act, timely payment of wages etc. including taking of insurance cover etc. for workers employed for this contract. Any obligation on account of the above will be the liability of the Contractor.

*[Handwritten Signature]*



भारत हेवी इलेक्ट्रिकल्स लिमिटेड  
Bharat Heavy Electricals Limited

- 1.18 In case of any objection from any statutory / local authority, the party has to liaison with them for smooth progress of work.
- 1.19 The tenderer will be responsible for the quality of the work and it will be guaranteed for a period of one year from the date of completion of job.
- 1.20 Period of maintenance shall mean the period of one year which will be calculated from the date of completion of the works certified by the Engineer in accordance with conditions of the contract. The period of maintenance shall always be reckoned from the date of completion of the whole of the works as accepted / taken over by Engineer-in-charge.
- 1.21 The Tenderer is required to quote for the complete scope of work with rates for all the items & no column should be left blank. Tenders for part of the work or incomplete in any respect are liable to be rejected.
- 1.22 Work order will be placed to the party for the complete scope of work as mentioned in the BOQ.
- 1.23 Penalty will be levied by BHEL as per relevant clauses of the Tender on account of delay, violation of contract conditions and non-performance of the Contractor.
- 1.24 BHEL reserves the right to accept or reject any of the bid with or without deviation or cancel / withdraw the invitation for bid without assigning any reason whatsoever and in such case no bidder shall have any claim arising out of such action by BHEL.

**2.0 DOCUMENTS REQUIRED:**

- 2.1 The tenderer should submit documents in support of Pre Qualifying requirements as under, duly certified and stamped by their authorized signatory:
- a) Tenderer has to submit a copy of registration certificates of **PAN No. , VAT/TIN No. & Service Tax No.**
- b) A copy of tender enquiry duly signed on each and every page shall be submitted along with:
- (1) Price bid format as per Annexure-A.
  - (2) No deviation certificate as per Annexure-B.
  - (3) Declaration as per annexure-C.
  - (4) Personal Details as per annexure-D.
  - (5) Check list annexure-E.
  - (6) EMD as per clause no. 1.09.
  - (7) The complete tender enquiry signed and stamped on each page by tenderer.
  - (8) Certificate for completion of similar kind of works in PSU/Govt. Sector.

*[Handwritten signature]*



**3.0 PROCEDURE FOR SUBMISSION OF SEALED TENDERS:**

- 3.1 The offer is to be submitted at our office in sealed envelope along with the documents mentioned below from Sl. No. (1) to (8) and should be super scribed as "Bid for Retrofitting and Rehabilitation of Structural Elements (Beams, Slabs and Columns) at BHEL House, Siri Fort, New Delhi" and also indicating on the cover the tender specification number and due date and time as mentioned in the tender enquiry.
- (1) BOQ cum Price bid format as mentioned in Annexure-A.
  - (2) No deviation certificate as mentioned in Annexure-B.
  - (3) Declaration as mentioned in Annexure-C.
  - (4) Personal Details as mentioned in Annexure-D.
  - (5) Check list as mentioned in Annexure-E.
  - (6) EMD as per clause no. 1.09.
  - (7) The complete tender enquiry signed and stamped on each page by tenderer.
  - (8) Certificate for completion of similar kind of works in PSU/Govt. Sector.
- 3.2 Post tender negotiation with party will be carried out by the committee if required.
- 3.3 Offers should be strictly in accordance with the tender specifications & General Instructions to the Tenderer enclosed herewith.
- 3.4 The Tenderer should accept all terms & conditions of the tender unconditionally. In case the Tenderer wants to deviate from the tender conditions, such deviations shall be clearly specified in the offer. If no deviations are given in the offer, it will be assumed that the Tenderer accepts all terms and conditions of the tender.
- 3.5 Offers with deviations from terms and conditions of this tender are likely to be rejected.
- 3.6 Clarifications, if any, of Technical / Commercial nature, can be obtained from the officer to whom the tender is to be submitted or from New Delhi office at the following address before the tender due date.

**4.0 SCOPE OF WORK:**

Sl. No.	Description of work	Unit	Qty	Rate (Rs.)	Amount (Rs.)
---------	---------------------	------	-----	---------------	-----------------

4.1 As per 'Bill of Quantity cum Price Bid Format' enclosed at Annexure-A

*[Handwritten signature]*



भारत हेवी इलेक्ट्रिकल्स लिमिटेड  
Bharat Heavy Electricals Limited

Please submit your lowest quotation / offers for the above requirement subject to our terms and conditions given in the above tender enquiry on or before the due date & time mentioned in the enquiry so as to open the same on scheduled date and time.

To,

Amit Wadekar,

Sr. Engineer. (HR-GAX)

Corporate Office, BHEL House,

Siri Fort, New Delhi – 110049.

Phone no. -01166337440,

E-mail: amitwadekar@bhel.in

Thanking you -

Yours faithfully,

For & on behalf of BHEL

Amit Wadekar

(Sr. Engineer, HR-GAX)

अमित वाडेकर / AMIT WADEKAR  
वरिष्ठ अभियंता (सीवील) / Sr. Engineer (Civil)  
मा.सं./प्रशासन / HR / Administration  
भारत हेवी इलेक्ट्रिकल्स लिमिटेड / Bharat Heavy Electricals Ltd.  
बी.एच.ई.एल. हाउस, सीरी फोर्ट / BHEL House, Siri Fort  
नई दिल्ली-110 049 / New Delhi - 110 049



Annexure-A

Bill of Quantity cum Price Bid Format:

<b>Bill of Quantity for retrofit &amp; rehabilitation of structural elements (Beam, Slab and Columns) at BHEL House, New Delhi.</b>					
S. No.	Description of Item	Unit	Approx. Quantity	Rate (Rs.)	Amount (Rs.)
1	Removing & Cleaning of existing concrete Carefully by low impact high frequency hammer OR by manual chipping maximum upto 20 mm thickness to remove sulphate infected concrete, Loose concrete to be removed wherever necessary including cleaning the surfaces by air jet etc. complete.(Mode of measurement- per sqmt of breaking area of concrete )	Sq. Mt.	80.00		
2	Clean existing reinforcement with wire/ rotary wire brush, making the surfaces free from loose material dirt etc. complete, Applying two coats of alkaline rust converting primer-FEOVERT conforming to ASTM-B-117, on the rebars, including cleaning the reinforcement, wire brushing to remove loose rust spalls, with time interval of 1 hour between the coats. -(Mode of measurement- per sqmt of breaking area of concrete ) (Material Make: / KRISHNA CONCHEM)	Sq. Mt.	80.00		
3	Anticorrosive Treatment to Reinforcement by IPNET RB Application of two coats of IPNET RB (CBRI Know how) on expose reinforcement in two coats with time interval of minimum 4 hours between each coat. The application shall be by brush. (Mode of measurement- per sqmt of breaking area of concrete ) (Material Make: / KRISHNA CONCHEM)	Sq. Mt.	80.00		
4	Providing and applying 2 coats of concrete penetrating hi-tech corrosion inhibitor system that works on the Bipolar Inhibition Mechanism (B. I. M.). B. I. M. inhibits corrosion of steel in concrete at the poles, cathodic & anodic simultaneously on concrete surface. (Mode of measurement- per sqmt of application area of concrete ) (Material Make: / KRISHNA CONCHEM)	Sq. Mt.	80.00		
5	Providing and applying structural grade epoxy bond coat prior to building up of section with any type of mortar/ concrete to ensure bond between old concrete & new concrete by brush application as per the manufacturer's specifications. (Mode of measurement- per sqmt of application of concrete surface ) (Material Make: / KRISHNA CONCHEM)	Sq. Mt.	80.00		



भारत हेवी इलेक्ट्रिकल्स लिमिटेड  
Bharat Heavy Electricals Limited

6	Providing and fixing reinforcement to makeup lost steel area due to corrosion by providing additional steel reinforcement. The TMT steel shall confirm to IS 1786 grade Fe 415/ Fe 500. Anchor the steel rebar in sound concrete body up to desired depth by structural GRADE adhesive. Fixing of rebars is to be with pre left binding wires with existing steel at regular interval/grid after aligning concrete profile with new mortar up to existing steel face (cost of material, bending etc. shall be inclusive).	Kg.	200.00		
7	Making up lost section upto 25mm with thixotropic ready made repair mortar .is one component thixotropic dual shrinkage compensated, fiber reinforced formulation for structural members. Build up section by hand packing as per manufacture's specification)	Kg.	1,000.00		
8	Strengthening structural elements with non metallic composite fiber wrapping system comprise of glass or Carbon fiber sheet and compatible saturant, by dry/wet layup system including, Surface preparation: Grinding/ moulding concrete substrate, cleaning it with wire brush removing oil, laitance if present, rounding sharp edges to min 25 mm radius etc. complete. Profiling: Applying compatible primer on prepared substrate, Filling the holes and uneven surface with thixotropic putty etc. complete Wrapping: Wrapping the fiber sheet to structural element at desired orientation using tamping roller to avoid any air voids etc. repeat the same procedure for multiple layer with the interval of 8 hrs. Sand pasting: Applying second coat of saturant after min. 12 hrs, rectify air voids if any paste the river sand on it to make surface rough to take any further finishes (Mode Of Measurement- Fiber Area of Application & not Surface Area) (Material Make: / KRISHNA CONCHEM/ SRMPL)				
	400 GSM Carbon fiber sheets for columns in horizontal	Sq. Mt.	20.00		
9	<b>TOTAL =</b>				

*[Handwritten signature]*



भारत हेवी इलेक्ट्रिकल्स लिमिटेड  
Bharat Heavy Electricals Limited

**Note:**

- 1) BHEL reserves the right to increase or decrease the quantity as mentioned in S. No. 1 to 8 of Annexure-A up to 25% at the same rates and terms and conditions of this contract.
- 2) Overwriting in price bid format may lead to rejection of bid.
- 3) Evaluation of bids will be done on the basis of total cost to company i.e. S. No. 9 in price bid format.
- 4) Post tender negotiation with party will be carried out by the committee if required.

Authorized signatory  
(With seal)

*[Handwritten signature]*



भारत हेवी इलेक्ट्रिकल्स लिमिटेड  
Bharat Heavy Electricals Limited

Annexure-B

**No Deviation Certificate**

CLAUSE NO.	DESCRIPTION / DETAILS OF DEVIATION	REMARKS / REASONS

**NOTES:**

1. In case of no deviation, "NIL" is to be indicated in this format.
2. BHEL reserves the right to reject the offer without assigning any reason.

"I, \_\_\_\_\_ hereby certify that except the deviations mentioned above, we do not have any other deviations to the tender no. \_\_\_\_\_ dated \_\_\_\_\_. Deviations, if any, mentioned elsewhere in our bid (Price Bid) may be treated as null and void by BHEL."

SIGNATURE OF BIDDER WITH SEAL

NAME:

DESIGNATION:

COMPANY / FIRM:

DATE:

*[Handwritten Signature]*



भारत हेवी इलेक्ट्रिकल्स लिमिटेड  
Bharat Heavy Electricals Limited

Annexure-C

**DECLARATION**

We hereby declare that we have not been banned and de-listed by any PSU /Government Department / Financial Institution / Court.

Authorized signatory  
(With seal)



भारत हेवी इलेक्ट्रिकल्स लिमिटेड  
Bharat Heavy Electricals Limited

Annexure-D

Personal Details

Sl. No.	Description	Details
1	Name of the Bidder	
2	Address of the bidder	
3	Contact Person's Name	
4	Cell No. of Contact person	
5	Land Line No.	
6	FAX No.	
7	E-mail ID of the Bidder	
8	Website address if any	

Signature & Seal of the Bidder



भारत हेवी इलेक्ट्रिकल्स लिमिटेड  
Bharat Heavy Electricals Limited

Annexure-E

CHECK LIST

Sl.No.	Documents attached	Yes/No
1	Bill of Quantity cum Price bid format (Annexure-A)	
2	No Deviation certificate (Annexure-B)	
3	Declaration (Annexure-C)	
4	Personal details (Annexure-D)	
5	Signed tender enquiry	

(Signature & Seal of the Bidder)