



Bharat Heavy Electricals Limited
(A Govt. Of India Undertaking)
PROJECT ENGINEERING MANAGEMENT
NOTICE INVITING TENDER (NIT)

Enquiry No- **PE/PG/HER/E-7179/2022**

1-Feb-23

BHEL invites offers from reputed bidders as per following terms and conditions -

1. Mode of Enquiry	E - PROCUREMENT	
2. Project	2 x 660 MW NTPC TALCHER TPP, STAGE - III	
3. End Customer	NTPC	
4. Executing Agency	BHEL-PSWR	
5. Package	COOLING TOWERS (CT) (NATURAL DRAFT COOLING TOWER)	
6. Nature of Package (Divisible/Non-Divisible)	Non-Divisible	
7. Due Date & Time	15 February 2023	11 :00 : AM IST
8. Earnest Money Deposit (EMD)	NIL	
9. Tender Cost	NIL	
10. Numbers of Part bid	2-Part bid (Techno-commercial and price bid)	
11. Technical Scope	As per Technical specification No: PE-TS-497-165-N001 (REV 1)	
12. Last Date for Seeking Clarification	10 days before due date of tender opening	
13. Schedule of Pre Bid Discussion	Based on Bidder's request, Pre Bid meeting shall be arranged.	
14. Prequalification Requirement	Financial PQR- YES	Technical PQR- YES
15. Delivery terms	FOR Despatch Station	
16. Delivery Schedule:		
Delivery completion for Supply, Civil Works and E&C (including PG Test, Trial run etc.)	30 months from the date of LOA. Bidder to submit basic drawing/documents within 08 weeks from the date of LOA & subsequent submission shall be within 10 days from the date of comments.	
17. PVC (Price Variation Clause) shall be applicable as per enclosed PVC Annexure-E.		
18. CIF Content	Not Available	CIF Value: Not Applicable
19. Integrity Pact Applicability -	YES	
20. In line with cl. No. 12 of (ITB) BOP-GCC, following Independent External Monitors (IEMs) have been appointed by BHEL. Shri Otem Dai, IAS (Retd.) (iem1@bhel.in) Shri Bishwamitra Pandey, IRAS (Retd.) (iem2@bhel.in) Shri Mukesh Mittal, IRS (Retd.) (iem3@bhel.in)		
21. Tender Evaluation - Evaluation will be done on overall L1 (Total Cost to BHEL excluding GST) basis with necessary loading as applicable. Evaluation cost/Total Cost to BHEL shall be as follows: - Evaluation Cost = [Steel & Cement Cost (A)] + [Execution Cost i.e. Main Supply, Civil Works, E&C and Mandatory Spares (B)] Cement & Reinforcement steel required for complete civil works of Cooling Tower are excluded from bidder's scope. Cement & Reinforcement steel shall be free issue items by BHEL. Bidder to indicate Total quantity of Cement and Reinforcement Steel for two (02) nos. CT in Price Schedule. Terms and conditions for free issue items being given along with NIT. (Refer Annexure-III and IV) (A) Steel & Cement Cost - which will be derived from the quantity quoted by bidder and its corresponding rate as given below: Cement: Rs 6,429/- per MT (excluding GST)		



Bharat Heavy Electricals Limited
(A Govt. Of India Undertaking)
PROJECT ENGINEERING MANAGEMENT
NOTICE INVITING TENDER (NIT)

Reinforcement Steel: Rs 57,558/- per MT (excluding GST)

(B) **Execution Cost** i.e. Main Supply, Civil Works, E&C and Mandatory Spares – which will be quoted by the bidder in the price bid.

For Bid evaluation of the Cooling Tower, Bidder's total price shall be determined after adding cost of free issue of cement and reinforcement steel as mentioned above, in Bidder's quoted execution cost for the Cooling Tower.

22. Payment Terms for Supply, Mandatory Spares and E&C shall be as per GCC-BOP Rev 00.

Payment Terms for Civil Works shall be as follows:

- (i) **Ninety percent (90%)** of contract value of civil works along with taxes (as applicable) shall be released by Site authorities/ Region as follows:
- 5% payment against mobilization and installation for **Sr No A.8, A.9, A.10. E, F and G** of T&P deployment list (**Annexure-II**) duly certified by BHEL. (further breakup during BBU approval as per joint agreed progress work plan).
 - Remaining 85% on pro-rata basis for the work completed, as per approved billing schedule, shall be released by Site authorities/ Region on submission of protocols, duly signed by BHEL Site/Customer.
- (ii) **Ten percent (10%)** of contract value of civil works along with taxes (as applicable) shall be released by Site authorities/ Region on successful completion of PG/ Demonstration test(s) and handing over system/package to Customer/BHEL, as applicable.

23. If wastage exceeds the specified limit, the recovery of excess wastage shall be made from monthly RA Bills as per penal rates (excluding GST). Refer Annexure-III and IV.

24. If the total quantity of cement & total quantity of reinforcement steel during contract execution are found to be more than the respective quantities quoted at tender stage, this increased quantity shall be arranged by BHEL only at Penal rates mentioned in NIT and not from any other agency and cost for excess quantity of cement & reinforcement steel shall be deducted from the bidder's payments.

25. Penal rates of Material are as follows:

Sl. No.	Materials	Penal rate (Rs)
1	Reinforcement Steel	Latest Purchase Price (LPP) of BHEL PSWR plus 30% of LPP
2	Cement	Latest Purchase Price (LPP) of BHEL PSWR plus 30% of LPP

26. Ordering shall be done after de-loading the commercial/ technical loading from bidder's final price. In the course of evaluation, if more than one bidder happens to occupy L-1 status, effective L-1 will be decided by soliciting discounts from the respective L-1 bidders. In case more than one bidder happens to occupy the L-1 status even after soliciting discounts, the L-1 bidder shall be decided by a toss/draw of lots, in the presence of the respective L-1 bidder (s) or their representative(s). Ranking will be done accordingly. BHEL's decision in such situations shall be final & binding.

27. Terms & Conditions:- The terms & conditions shall be as per enclosed special conditions of the contract (copy enclosed), **General Conditions of Contract (GCC)-BOP Rev 00** which is available on www.pem.bhel.com and other Terms and Conditions included in this Enquiry Letter.

28. BGs should be in favour of BHEL-PSWR instead of BHEL PEM. L1 Vendor will be required to submit BGs as per GCC-BOP.

29. Bidders who fulfil Technical & Financial Pre-Qualification Requirement Criteria are eligible to participate in this tender. Bids of only those bidders shall be evaluated who meet the Technical as well as Financial Pre-Qualifying requirements.



Bharat Heavy Electricals Limited
(A Govt. Of India Undertaking)
PROJECT ENGINEERING MANAGEMENT
NOTICE INVITING TENDER (NIT)

30. BHEL shall be resorting to Reverse Auction(RA) (Guidelines as available on www.bhel.com) for this tender. RA shall be conducted among all the techno-commercially qualified bidders.

Price bids of all techno-commercially qualified bidders shall be opened and same shall be considered as initial bids of bidders in RA. In case any bidder(s) do(es) not participate in online Reverse Auction, their sealed envelope price bid along with applicable loading, if any, shall be considered for ranking.

RA price shall be done at Evaluation cost as mentioned above at Clause No. 21 of NIT.

After completion of RA, adjustment of total price shall be done as follows:

1. Steel & Cement Cost - This is **fixed component of price which will not be changed after completion of RA after reverse auction or any price reduction.**
2. Execution Cost i.e. Main Supply, Civil Works, E&C and Mandatory Spares – This is **variable component of price which will be reduced proportionately with respect to the original price bid while calculating reverse auction price or any price reduction.**

In case of single qualified bid, price bid of single qualified bidder shall be opened.

31. Regarding verification of PQR documents-

Bidders to ensure that Third party/customer issued certificates being submitted as proof of PQR qualification should have verifiable details of document/certificate issuing authority such as name & designation of Issuing Authority and its organization contact number and e-mail Id etc. In case the same found not available, Purchaser has right to reject such document from evaluation.

32. Bidder to note that this is an Open Tender enquiry & RA shall be subject to following condition:

- a) Qualifying Technical & Financial Pre-Qualification Requirement.
- b) Techno-commercial acceptance of offer by BHEL-PEM.
- c) Approval of bidder by End Customer: - Same shall be taken up with end customer based on the latest credentials/reference list furnished by bidder. Accordingly, bidders are requested to submit credential as per the format enclosed herewith along with their technical bid.

The bidders who are not registered with BHEL-PEM may apply for registration in BHEL-PEM through Registration Portal available at www.pem.bhel.com-->vendor section-->online supplier registration. All credentials and/or documents duly signed & stamped related to registration has to be uploaded on the website & submit the application for registration. One set of hard copy filled-up SRF downloaded from Online Registration Portal duly signed & stamped has to be submitted.

33. All corrigenda, addenda, amendments, time extensions, clarifications, etc. to the tender will be hosted on BHEL website (www.bhel.com) & BHEL-PEM website (www.pem.bhel.com). Bidders should regularly visit websites to keep themselves updated.

34. If bidder mentions Not Applicable / Not required / Not Quoted in BHEL price format, the same to be substantiated by the bidder. If such item is required to be supplied for system completion in future, same will be supplied free of cost.

35. GeM Seller ID shall be mandatory before placement of order/award of contract to the successful bidder.

36. BOCW Cess shall be reimbursable against documentary evidence.

37. Bidder to quote non zero freight charges in percentage (%) of their quoted Total Ex-Works prices of supply.

38. Construction Power & Construction water shall be as per SI No 23 of SCC.

39. SI No 12 of SCC to be read as follows:

Insurance:

For Supply Packages: Transit Insurance in BHEL Scope.



Bharat Heavy Electricals Limited
(A Govt. Of India Undertaking)
PROJECT ENGINEERING MANAGEMENT
NOTICE INVITING TENDER (NIT)

For Turnkey Packages: Transit, Unloading, Storage, Handling, Erection and Commissioning Insurance in BHEL Scope.

For each dispatch, vendor shall inform the following to the Underwriter under intimation to BHEL-PEM and BHEL Site office:

- (i) Policy No.
- (ii) Consignee Name.
- (iii) Consignment Details (items with their weights and value (in INR).
- (iv) Project Name and P.O. No.
- (v) LR No. and date, Dispatch origin and destination details, Invoice No.

Vendors to intimate the underwriters quoting the insurance Policy No. as mentioned in Purchase Order.

40. Insurance Deductibles/Excess:

For Marine Cover:

- a. Rs 20,000/- (for Consignment upto Rs 100 crores)
- b. 0.25% of consignment value subject to minimum of Rs 20,000/- (for Consignment upto Rs 100 Crores)

For Storage /Erection and Testing Cover:

- a. Normal Excess: 5 % of the claim amount subject to a minimum of Rs. 2.25 Lakh.
- b. Testing Excess: 5% of the claim amount subject to minimum of Rs. 6.0 Lakh.

Act of God Perils: - 10% of the claim amount subject to minimum of testing period excess.

Fire / Explosion Claims: 20% of the claim amount subject to minimum of testing period excess

Extended Maintenance Cover/ Defect Liability Cover: As applicable for testing period excess.

Third Party Liability: The policy excesses (normal/testing periods) shall apply for third party liability property damage claims also. For third party liability claims arising out of acts of GOD perils. The excess applicable to AOG claims shall apply.

"The above mentioned insurance deductibles/excess are tentative in nature and may change after award of contract which will be applicable within quoted price".

41. All other correspondence thereof shall be addressed to the undersigned by name & designation and sent at the following address:

Sharad Chandra/MGR– BOP
M/s Bharat Heavy Electricals Ltd.,
Project Engineering Management,
Power Project Engineering Institute,
HRD & ESI Complex,
Plot No 25, Sector-16 A, Noida-201301
E-MAIL: sharadchandra@bhel.in
Ph. No. 0120-4213572

Mr. Sanjeev Kumar /Dy. Engineer -BOP
M/s Bharat Heavy Electricals Ltd.,
Project Engineering Management,
Power Project Engineering Institute,
HRD & ESI Complex,
Plot No 25, Sector-16 A, Noida-201301
E-MAIL: sanjeev_k@bhel.in
Ph. No. 0120-4368590

42. All Bidders to comply Govt. of India, Ministry of Power, order no-25-111612018-PG dtd 02/07/2020 regarding mandatory testing of all the imported items/equipment's/components.

43. GST shall be payable extra at actual as per the HSN code finalised for the items during detailed BBU.

44. Bidders are requested to refer clause no 26.0 (Make in India) of GCC-BOP.

"For this procurement, the local content to categorize a supplier as Class I local supplier/ Class II local supplier/ Non Local supplier and purchase preference to Class I local supplier is as defined in Public Procurement (Preference to Make India), Order 2017 dated 16.09.2020 issued by DPIT. In case of subsequent order issued by nodal ministry changing the definition of local content for item in NIT, the same shall be applicable even if issued after issue of this NIT but before opening of part-II bids against this NIT."

This package is not divisible in nature. The margin of purchase preference shall be as per order dtd. 16.09.2020.



Bharat Heavy Electricals Limited
(A Govt. Of India Undertaking)
PROJECT ENGINEERING MANAGEMENT
NOTICE INVITING TENDER (NIT)

For this tender, offer from only class-1 local suppliers (meeting minimum 60% local content requirement) shall be considered.

Bidders are required to provide the following along with the part-1 bid:

- (i) Provide a certificate (in line with attached draft) from statutory auditor or cost auditor of the company (in the case of companies) or from a practicing cost accountant or practicing chartered accountant (in respect of suppliers other than companies) giving the percentage of local content.
- (ii) Provide the details of the location(s) at which the local value addition shall be made.

45. This item/Package falls under the list of items defined in Para 3 of Ministry guideline ref no.F.20/2/214-PPD(Pt.) dated 20-09-2016 (in respect of procurement of items related to public safety, health, critical security operations and equipment's, etc.) & hence no relaxation of PQR for start-up/MSME vendors is envisaged for the NIT items/Package.

46. Bidders may 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.

47. Purchase preference to MSE vendor shall be as follows:

a) For Divisible Packages:

Purchase preference will be given to MSEs as defined in Public Procurement Policy for Micro and Small Enterprises (MSEs) Order, 2012 dated 23.03.2012 issued by Ministry of Micro, Small and Medium Enterprises and its subsequent Orders/Notifications issued by concerned Ministry. If the bidder wants to avail the Purchase preference, the bidder must be the manufacturer of the offered product in case of bid for supply of goods. Traders are excluded from the purview of Public Procurement Policy for Micro and Small Enterprises. In respect of bid for Services, the bidder must be the Service provider of the offered Service. Relevant documentary evidence in this regard shall be uploaded along with the bid in respect of the offered product or service. If L-1 is not an MSE and MSE Seller (s) has/have quoted price within L 1 + 15% of margin of purchase preference /price band defined in relevant policy, such Seller shall be given opportunity to match L-1 price and contract will be awarded for 25% of total quantity.

b) For Non Divisible Packages:

No purchase preference would be applicable to MSEs bidders over Non-MSEs bidders.

48. It shall be the responsibility of the bidder to ensure that the tender is uploaded on or before the due date and time. Part-I bids shall be opened on due date through e-procurement Portal.

49. The evaluation currency for this tender shall be INR.

50. Clause no 9.5 (excluding notes) of GCTC of GCC BOP Rev. 00 shall be read as-

"Vendors shall submit billing documents for payment directly to BHEL. Payment will be released within days as mentioned below after submission of complete documents as per clause no 9.6.2 – 9.6.5:

- a. 90 days for non MSME as per MSMED Act
- b. 45 days for vendors qualified and registered as Micro and Small Enterprises MSEs as per MSMED Act
- c. 60 days for vendors qualified as Medium Enterprises as per MSMED Act."

51. In line with Clause no 25 of SCC Rev-00, charges for non-deployment of safety officer and quality Engineer is Rs.50,000.00 per man-month for each staff.

52. In line with Annexure-II (T&P), In the event of non-deputation of engineer/ supervisor by the bidder as per agreed schedule (Refer Annexure-II), BHEL shall reserve the right to deduct Rs. 50,000.00 per man-month for engineer, Rs. 35,000.00 per man-month for the supervisor from RA bills.

53. Self-declarations/ auditor's/ accountant's certificates submitted by the manufacturer/ supplier may be verified randomly by the committee constituted as per MoP Order 28-07-2020. In case of false documents/misrepresentation of the facts requisite action against such manufacturer/ supplier will be taken based on the recommendation of the Committee.

54. All bidders to declare that they will not enter into any illegal or undisclosed agreement or understanding, whether formal or informal with other Bidder(s). This applies in particular to prices, specifications,



Bharat Heavy Electricals Limited
(A Govt. Of India Undertaking)
PROJECT ENGINEERING MANAGEMENT
NOTICE INVITING TENDER (NIT)

certifications, subsidiary contracts, submission or non-submission of bids or any other actions to restrict competitiveness or to introduce cartelization in the bidding process.

In case, the Bidder is found having indulged in above activities, suitable action shall be taken by BHEL as per extant policies/ guidelines.

55. All the above terms and conditions, post-bid agreements/MoMs (during Techno- Commercial evaluation) shall automatically become a part of the Order/Contract after its finalisation.

56. **Bidders to note that offers shall be submitted strictly in accordance with the requirements of tender documents. Bidders shall upload their complete offer meeting the requirements of the tender documents on e-procurement portal <https://eprocurebhel.co.in/nicgep/app>.**

Following documents need to be uploaded:

- **Offer forwarding/ covering letter**
- **Local content certificate in line with Make in India circular.**
- **Land Border Certificate.**
- **Credentials as per format.**
- **Documents required for meeting Technical & Financial PQRs**
- **Un-price bid, annexure-II of GCC-BOP Rev 00 (Cost of Withdrawal of Deviation) and Price bid in e-procurement portal.**

57. It shall be the responsibility of the bidder to ensure that the tender complete in all respects is uploaded on or before the due date and time. Incomplete/late offers shall not be considered. 'Part-I bids shall be opened at 04:00 PM on due date through e-procurement Portal.

Note - In case you are not making an offer against this enquiry, you are requested to send a regret letter so as to reach us on or before the due date

Thanking You.

For and on behalf of BHEL

Sharad Chandra

Manager/ BOP/ PEM Noida

Enclosures: - (1) SCC of the Project (2) Financial PQR (3) Technical Specifications (4) Technical PQR (5) Draft format for Make in India certificate (6) Draft Format for land/ border declaration (7) Cost of withdrawal of deviation(s) as per annexure II of GCC-BOP (8) **Annexure-I** (Bidder's scope of work for labour & staff colony) (9) **Annexure-II** (T&P deployment) (10) **Annexure-III** (TCC for Free Issue Material-Cement) (11) **Annexure-IV** (TCC for Free Issue Material –Reinforcement Steel) (12) HSE Plan Rev02.

NDCT (COOLING TOWER)- 2 X 660 MW NTPC TALCHER TPP STAGE-III
ENQUIRY NO: PE/PG/HER/E-7179/2022 Dated 01.02.2023

RA price shall include Evaluation cost which is as follows:

Evaluation Cost = [Steel Cement Cost **(A)**] + [Execution Cost i.e. Main Supply, Civil Works, E&C and Mandatory Spares **(B)**]

After completion of RA, adjustment of total price shall be done as follows:

- (A)** Steel & Cement Cost - which will be derived from the quantity quoted by bidder and its corresponding rate as per NIT. This is **fixed component of price which will not be changed while calculating reverse auction price or any price reduction.**
- (B)** Execution Cost i.e. Main Supply, Civil Works, E&C and Mandatory Spares – which will be quoted by the bidder in the price bid. This is **variable component of price which will be reduced proportionately with respect to the original price bid while calculating reverse auction price or any price reduction.**

After completion of RA, L1 bidder's prices shall be reduced proportionately from execution cost (i.e. Cost of Main Supply, Civil Works, E&C and Mandatory Spares) with respect to their original price bid.

Illustration for Price adjustment after completion of RA

Execution Cost (i.e. Cost of Main Supply, Civil Works, E&C and Mandatory Spares) in original Price Bid
i.e. before RA:

$$P1 + P2 + P3 + P4 = Z$$

Execution Cost **(i.e. Cost of Main Supply, Civil Works, E&C and Mandatory Spares)** after RA
(Q1+Q2+Q3+Q4=Y) = Evaluation Cost at the End of RA minus Steel and Cement Cost (A)

Execution Cost	Price in Price Bid	Price adjustment after RA
Main Supply	P1	Q1= P1* (Y/Z)
Mandatory Spares	P2	Q2= P2* (Y/Z)
Civil Works	P3	Q3= P3* (Y/Z)
E&C	P4	Q4= P4* (Y/Z)
Total Price	Z	Y

Please note that in above adjustment, cost of cement and steel has not been adjusted or reduced and has remained unchanged.