



Ref. Enquiry No.: PE/PG/YE1/E-5255/2016

Dated: 06.06.2016

DUE DATE
05.07.2016
BY 10.00AM

**SUBJECT: TENDER ENQUIRY FOR COOLING TOWER IDCT AS PER TECHNICAL SPECIFICATION NO. PE-TS-409-165-N001 FOR 1X370MW KPCL YALAHANKA CCPP**

**Our Ref: TENDER ENQUIRY NO: PE/PG/YE1/E-5255/2016, DTD- 06.06.2016**

Dear Sir/ Ma'am,

We are pleased to invite your offer in two parts strictly as per Clause-2.0 of the enclosed "Instructions to Bidders" & Clause no-3 & 4 of NIT in quintuplicate, in sealed covers for the under mentioned equipment/system.

SCOPE	BHEL INVITES OFFERS FROM REPUTED VENDORS (REFER PREQUALIFICATION REQUIREMENT AND OTHER REQUIREMENTS GIVEN IN TENDER ENQUIRY LETTER UPLOADED ON OUR WEBSITES) FOR COMPLETE DESIGN OF COOLING TOWER, SUPPLIES OF MECHNAICAL/ELECTRICAL/C&I ITEMS INCLUDING THEIR INSPECTION/TESTING AT MANUFACTURERS/ HIS SUB-CONTRACTOR'S WORKS PROPERLY PACKED, DELIVERY AT PROJECT SITE, TRANSPORTATION, COMPLETE WITH ALL ACCESSORIES, SUPERVISION OF SITE CIVIL WORKS, ERECTION OF MECHANICAL/ELECTRICAL/C&I ITEMS AT SITE, COMMISSIONING, PG TESTING ETC OF 1 NO. MECHANICAL INDUCED DRAFT TYPE COOLING TOWER FOR 1X370MW YELAHANKA CCPP (KPCL) PROJECT AS PER TECHNICAL SPECIFICATION NO-PE-TS-409-165-N001
PROJECT	1 X 370 MW KPCL YELAHANKA CCPP
PACKAGE	COOLING TOWER IDCT
QTY	AS PER BOQ GIVEN IN TECH. SPEC
PRE-BID MEETING	PRE-BID MEETING IS SCHEDULE ON 16.06.2016

Your best quotation/offer for the above requirement, in line with our terms and conditions, should either be delivered in person or sent by **COURIER/REGISTERED POST**, to the official inviting tender (s). It shall be the responsibility of the bidder to ensure that the tender is delivered on or before the **due date by 10.00AM**. Part-I bids shall be opened at **11.00AM** on the due date in the presence of authorized representatives of the bidders, who may like to be present.

**Note:-**

1. Please note that Part Supplies offered for Project shall disqualify the bidder's offer.
2. Documents and Credential as per Technical & Financial PQR, Techno Commercial Bids and Price Bids should be submitted separately in separate envelopes.
3. Evaluation will be done on overall L1 (Total cost to BHEL) basis with necessary loading as applicable. Incomplete offer or offer for part of NIT BOM/BOQ shall be summarily rejected.
4. Vendors to raise all clarifications on or before pre-bid meeting. No part-I bid extension will be given on account of clarification asked by the vendor after pre bid meeting.

**TERMS AND CONDITIONS: - Please refer GCC Rev-06 which is available on [www.bhelpem.com](http://www.bhelpem.com). You are requested to kindly download the same.**

MR SUMEET SAHAY  
SR ENGR/PG-I-2  
BHEL/PS-PEM  
POWER PROJECT ENGINEERING INSTITUTE,  
PLOT NO. 25, SECTOR - 16A, NOIDA (UP)  
(OFF) 0120-4213532, 09999498202

1/2

Regd. Office:  
BHEL House  
Siri Fort  
New Delhi-110049



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**TERMS AND CONDITIONS**

**1. INSTRUCTIONS REGARDING CENTRALISED TENDER ROOM:-**

- Vendors are advised to submit the tenders in the tender box, containing Part-I & II offers in separate covers, preferably cloth lined envelopes should be used, properly marked before due date and time.
- The dispatch department shall not accept any tender in torn condition and shall return the same to the courier immediately with the Stamping "Returned to Sender-Package Damaged". Offers in damaged condition will not be considered and no request for extension on this account will be considered.
- Bidder's representative shall deposit the offer in tender box only.
- Bidders shall be allowed in the tender room in area identified for bidders and only one authorized representative from each bidder shall be allowed.
- Bidder shall not be allowed to carry mobile/camera/ laptop in the tender room. The same shall have to be deposited at security in advance and taken back after tender opening.
- Details of offers shall be read out to bidders and in no case the offers shall be handed over to any of the bidders for noting down.
- Please ensure tender submission, minimum 1 hour before scheduled tender opening time. Late tenders shall not be accepted.

2. Enquiry No., due date etc. must be legibly superscribed on the sealed envelopes as per clause no. 2.0 of "Instructions to Bidders".

3. Offers should be submitted in two parts in Two separate sealed covers as follows:

- Part-I Bid :- Documents and Credential as per Technical & Financial PQR and Techno-Commercial offer
- Part II Bid :- Price Bid

4. Following terms and conditions will be made part of NIT:-

- Bidders to submit all documents concerning PQR (Technical and Financial), Techno-commercial offer along with the un-priced price bid and un-priced schedule of Cost of Withdrawal in a sealed envelope superscripted with heading "**Part-I Bid – Technical & Financial PQR and Techno-Commercial Offer**".
- Bidders to submit their Price Bid and Priced schedule of Cost of Withdrawal in a sealed envelope superscripted with heading "**Part-II Bid – Price Bid**".
- Part I bid will be opened on date & time mentioned in the NIT or subsequent corrigenda/amendments, if any.
- Techno-commercial offer of only those bidders shall be evaluated who will meet the Technical as well as Financial pre-qualifying requirement of the tender.**

Credentials of the bidders meeting the prequalifying requirements shall be taken up with customer for approval.

- After finalization of Techno-commercial evaluation, offers of BHEL and Customer approved vendors who have qualified in the Techno-commercial evaluation shall be considered for Price Bid Opening/RA.

5. Bidders shall submit their offers meeting the requirements of the following tender documents (enclosed) and other Terms and Conditions included in this Enquiry Letter:

- ANNEXURE-I of GCC Rev. 06: Letter to be furnished by the Bidders.
- DEFINITION OF TERMS.

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- **Volume-I:** Comprising i) **Part-A:** Instructions to Bidders, ii) **Part-B:** General Commercial Terms & Conditions and iii) Special Conditions of Contract, if applicable.
- **Volume-II:** Comprising i) **Part-A:** General Technical Conditions and, ii) **Part-B:** Technical Specification.
- **Volume-III:** Schedules and Data Sheets.

All the above Tender Documents shall automatically become a part of the Order/Contract after its finalisation.

6. Vendors shall quote in accordance with the requirements mentioned in the tender documents. In case of deviations (Technical/ Commercial), the same shall be highlighted separately giving Clause references along with the Cost of withdrawal of Deviations as per Annexure-II to GCC Rev 06 of "DEVIATION SHEET (COST OF WITHDRAWAL)" along with reasons for taking such deviations

**Bidder to note all the points mentioned in "Notes" of Annexure-II to GCC Rev 06**

7. **Please note the following:**
- Price format is enclosed for compliance.**
  - SCC enclosed for compliance.**
  - GCC enclosed for compliance.**
8. Tenders shall be submitted strictly in accordance with the requirements of the above tender documents.
9. Standard pre-printed terms & conditions of the tenderers shall not be considered valid.
10. Validity of offer shall be as per **Clause No. 7.0, "Instructions to Bidders" of GCC Rev 06.**
11. Unsolicited fresh/revised Price Bids shall not be entertained.
12. Purchaser shall be under no obligation to accept the lowest or any other tender and shall be entitled to accept or reject any/all tender(s) in part or full without assigning any reason whatsoever.
13. Tenderers must enclose the Quality Plan in the prescribed format, for approval. Equipment will be despatched to the **Project site/Owner's** inspection at the hold points specified in the approved Quality Plan and issue of Material Despatch Clearance Certificate (MDCC)
14. Late tenders will be rejected.
15. Tenders and all correspondence thereof, shall be addressed to the undersigned by name & designation and sent at the following address:

<b>Mr. SUMEET SAHAY, SR ENGR, PG-I-2</b> <b>M/s Bharat Heavy Electricals Ltd.,</b> <b>Project Engineering Management,</b> Power Project Engineering Institute, HRD & ESI Complex, Plot No 25, Sector-16 A, Noida-201301 <b>Kind Attn: SUMEET SAHAY/ PG-I-2</b> <b>E-MAIL: <a href="mailto:sumeetsahay@bhelpem.co.in">sumeetsahay@bhelpem.co.in</a></b> <b>Ph. No. 0120-4213532, 09999498202</b>	<b>Mr. HEMANT KUMAR KAUSHIK, DY MANAGER,</b> <b>PG-I-2</b> <b>M/s Bharat Heavy Electricals Ltd.,</b> <b>Project Engineering Management,</b> Power Project Engineering Institute, HRD & ESI Complex, Plot No 25, Sector-16 A, Noida-201301 <b>Kind Attn: HEMANT KUMAR KAUSHIK / PG-I-2</b> <b>E-MAIL: <a href="mailto:hkkaushik@bhelpem.co.in">hkkaushik@bhelpem.co.in</a></b> <b>Ph. No. 0120- 4213549, 0 9540180895</b>
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16. Definition of Terms is also enclosed. These definitions will apply to all the tender documents including this Enquiry Letter.



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17. **Delivery:**

Total Delivery completion for both Supply and E&C shall be 14 months from date of LOA.

Mandatory Spares to be delivered within Six (06) months from Manufacturing clearance. Separate dispatch/ manufacturing clearance will be issued for Mandatory Spares

Drawing submission schedule shall be as per Cl. No 16.00 of Section I, Sub section IA of technical specification Book 1.

Following basic drgs/docs to be submitted within 3 weeks from LOI date.

- DESIGN BASIS REPORT
- GA OF IDCT
- THERMAL SIZING & PUMPING HEAD CALCULATIONS
- TECHNICAL DATASHEET

Remaining following categories drgs/docs to be submitted progressively within 12 weeks from LOA date.

- SUB-STRUCTURE DRGS/DOCS (Including civil construction drgs) – Within 6 weeks from LOA date.
- SUPER-STRUCTURE DRGS/DOCS (Including civil construction drgs)
- ELECTRICAL DRGS/DOCS
- C&I DRGS/DOCS

Subsequent revisions of above drgs/docs to be submitted within 7 days of comments received from BHEL.

Number of days delay in submission of complete documents during approval process, on account of this, would be reduced from the delivery.

Milestones for delivery completion are as below:

- Supply of all items shall be progressively completed by bidder within 7 to 10 months from the date of LOA. Priority will be decided during kick-off meeting.
- Readiness of Civil works (upto Fan cylinder) by BHEL shall be progressively completed in 8 to 12 months from the date of LOA. Vendor to ensure availability of inputs to make it happen.
- Complete, erection & commissioning by bidder within 14 months from the date of LOA

18. Prices shall be firm.

19. **PRE-QUALIFICATION REQUIREMENT:-**

Bidders will be asked to fill up the details in "TECHNICAL AND FINANCIAL PRE-QUALIFYING REQUIREMENT" as per the conditions mentioned in the PQR and also to submit the credentials.

Bids of only those bidders shall be evaluated who meet the Technical as well as Financial pre-qualifying requirements (if applicable). Credentials of the bidders meeting the prequalifying requirements shall be taken up with customer for approval. Price Bid of only BHEL and customer approved vendors shall be opened.

20. **Bidder to note for compliance that this is conditional enquiry, the price bid (Part-II) opening/RA is subjected to**

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- a) Approval of bidder by the BHEL PEM.  
b) Approval of bidder by Customer. Same shall be taken up by us with customer based on the credentials/reference list. So vendors to submit the credentials before Part-I opening or along with their offer.
21. Bidders have to quote freight charges in percentage of their quoted ex-works prices for Indigenous items.
22. Bidder has to submit "NO DEVIATION CERTIFICATE FOR COMMERCIAL TERMS AND CONDITIONS AS PER GCC (06), SCC (REV 03) AND NIT". In case of deviations, bidder to clearly mention the same with their techno-commercial offer as per Point No-6 of NIT.
23. All the above Tender Documents shall automatically become a part of the Order/Contract after its finalization.
24. 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 website [www.bhel.com](http://www.bhel.com).
25. "The Bidder along with its associate/ collaborators/ sub-contractors/ sub-vendors/ consultants/ service providers shall strictly adhere to BHEL Fraud Prevention Policy displayed on BHEL website <http://www.bhel.com> and shall immediately bring to the notice of BHEL Management about any fraud or suspected fraud as soon as it comes to their notice."
- BHEL Fraud prevention policy is also uploaded in vendor's section on [www.bhelpem.com](http://www.bhelpem.com).
26. Bidders are requested to visit constantly our website to update them self for any technical or commercial change in the NIT.
27. All corrigenda, addenda, amendments, time extensions, clarifications, etc to the tender will be hosted on BHEL website ([www.bhel.com](http://www.bhel.com)) & BHEL-PEM website ([www.bhelpem.com](http://www.bhelpem.com)) only. Bidders should regularly visit websites to keep themselves updated.
28. CIF allocation is NOT applicable for this tender. Bidder to quote accordingly.
29. Bidders to submit their offers strictly in line with the enclosed price format.
30. Inspection shall be done by BHEL/ END CUSTOMER/Third party Agency (finalized by BHEL).
31. May please find the copy of our GCC (Rev 06) on our website [www.bhelpem.com](http://www.bhelpem.com)
32. Any other taxes & duties applicable on the date of bid but not quoted by the bidders shall be to bidder account.
33. Foreign & indigenous bidders participating through open/limited tender will necessarily have to but class III DSCs issued by the certifying authorities in India. Basic procedure/ checklist is uploaded on [www.bhel.com](http://www.bhel.com).
34. Contractor will comply with HSE (Health, Safety & Environment) requirement of BHEL.
35. Non-registered bidder to submit the credentials required for Registration in BHEL PEM:-

"Online Registration Portal is operational in BHEL. Non-registered Vendors, who wish to apply for registration with BHEL-PEM, have to apply through Online Registration Portal available at [www.bhelpem.com](http://www.bhelpem.com) - vendor section - Online Supplier Registration. All credentials and/or documents



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duly signed and stamped related to registration has to be uploaded on the website and submit the application for registration. One set of hard copy of the filled-up SRF downloaded from Online Registration Portal duly signed and stamped has to be submitted."

36. Construction Power & Construction Water shall be provided "Free of Cost" at one point of plant boundary.
37. BGs should be in favour of BHEL-PSSR in place of PEM. Vendors will be required to submit BGs to executing agency BHEL-PSSR.
38. Bidder is requested to quote their best competitive prices. "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 RA.

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.

Terms and Conditions of Reverse Auction shall be as per attached annexure-A.

39. Foreign bidders quoting along with their Authorised Indian associates to comply with BHEL corporate circular AA:MM:AGENCY dated 06<sup>th</sup> August 2010 for the guidelines regarding dealings with Indian agents of Foreign bidders (as enclosed).
40. L1 bidder will have to submit BG as per format mentioned in Annexure B to NIT instead of format mentioned in GCC Rev 06.
41. To oversee implementation of IP, Shri D R S Chaudhary, IAS (Retd.) has been appointed as IEM by BHEL.
42. Integrity Pact is applicable for this case. All vendors to accept & sign this pact. In case any vendor declines to accept this pact, their offer shall not be evaluated further.
43. Total Erection & Commissioning charges & PG Test (including Service Tax) should be minimum 20% of the total quoted package (excluding Mandatory Spares but including all taxes, duties & freight), failing which the break-up of price shall be adjusted accordingly for ordering.
44. Following BID EVALUATION CRITERIA will be made part of NIT:-

- a) The bids will be evaluated based on the cooling Tower prices quoted by the bidder and quantities of reinforcement steel and concrete used in the Cooling Tower.
- b) The bidder shall furnish quantities of reinforcement steel and concrete in the Price offer. The evaluation rates for reinforcement steel and concrete shall be-

**Concrete RCC – Rs 5,468/- per cum**  
**Reinforcement Steel – Rs 40,320/- per MT**

- c) During civil design while furnishing the drawing/ design for BHEL's review/ approval, vendor shall also furnish the design quantities of reinforcement steel and concrete in the drawings.
- d) If the total quantity of reinforcement steel and concrete during contract execution is found to be more than the quantities quoted at tender stage, the additional cost for excess quantity of reinforcement steel and concrete shall be deducted from the vendor's payments as per the rates specified in the NIT. No benefit



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will be given to Bidder, in case of reduction in actual quantity of reinforcement steel and concrete with respect to the quantities quoted at tender stage

e) The penal rates for reinforcement steel and concrete during execution shall be-

Concrete RCC – Rs 5,468/- per cum  
Reinforcement Steel – Rs 40,320/- per MT

45. Please note that for technical bid, detailed offers are to be submitted including the following along with the Price schedule as per BHEL format enclosed with NIT:-

- Acceptance of GCC Rev-06.
- Acceptance of Special Conditions of Contract
- Duly filled, signed & stamped Annexure-I of GCC Rev-06
- GA Drawings, if any.
- Guarantee Clause – As per (General Conditions of Contract) GCC, Rev. 06
- Pre-qualifying Requirement (PQRs) - a) TECHNICAL PQR b) FINANCIAL PQR.
- Technical Deviations and Commercial Deviation, if any as per format enclosed at Annexure-II of GCC Rev 06
- Along with your offer, please submit a copy of this letter duly signed & stamped on each page as token of acceptance of terms & instructions conveyed.
- Un-Priced price format duly filled in 'Quoted' or 'Q' in each column/row.
- Separate sealed price-bid envelope mentioning name of the project/package in BOLD LETTER on the top of each envelope.

**Note:** Tenderer must submit UN-PRICED Price format duly filled mentioning the word "QUOTED" in place of actual price given in sealed price bid.

Thanking you,

Yours faithfully,  
For and on behalf of BHEL

सुमीत सहाय / SUMEET SAHAY  
वरिष्ठ अभियन्ता (पी.जी.-1-2) / Sr. Engineer (PG-I-2)  
भारत भारी इलेक्ट्रिकल्स लिमिटेड / Bharat Heavy Electricals Ltd.  
पावर सेक्टर-परियोजना इंजीनियरिंग प्रबंधन  
Power Sector-Project Engineering Management  
प्लॉट नं.-25, सेक्टर-16ए, नोएडा-201 301  
फ़ैक्ट नं. 25; Sector-16A, Noida-201 301

(Signature of official with Name & Designation)

**Enclosure:**

1. Enquiry Terms & Conditions
2. Price Format (Prices should be quoted in this format only)
3. Terms and Conditions of Reverse Auction
4. Techno-Commercial Deviation Sheet (Annexure-II to GCC Rev 06)
5. BOQ & Technical Specifications
6. SCC of the project
7. Technical PQR
8. Financial PQR
9. Cost of Withdrawal sheet, if applicable

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# BHARAT HEAVY ELECTRICALS LIMITED

## PROJECT ENGINEERING MANAGEMENT

**ANNEXURE – A TO NIT REF NO-NIT REF NO-PE/PG/YE1/E-5255/2016 DTD-**

**06.06.2016**

### TERMS & CONDITIONS OF REVERSE AUCTION

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).

1. For the proposed reverse auction, technically and commercially acceptable bidders only shall be eligible to participate.
2. 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.
3. 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. In case of reverse auction, BHEL will inform the bidders the details of Service Provider to enable them to contact & get trained.
5. Business rules like event date, time, bid decrement, extension etc. also will be communicated through service provider for compliance.
6. 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.
7. 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 non-compliance 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.
8. Reverse auction will be conducted on scheduled date & time.
9. At the end of Reverse Auction event, the lowest bidder value will be known on auction portal.
10. 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.
11. 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.
12. 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.
13. 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.
14. The Bidder shall not divulge either his Bids or any other exclusive details of BHEL to any other party.
15. 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.
16. Any variation between the final bid value and that in the confirmatory signed price breakup document will be considered as tampering the tender process and will invite action by BHEL as per extant guidelines in vogue.

सुमीत सहाय / SUMEET SAHAY  
वरिष्ठ अभियन्ता (पी.जी.-I-2) / Sr. Engineer (PG-I-2)  
भारत हेवी इलेक्ट्रिकल्स लिमिटेड / Bharat Heavy Electricals Ltd.  
पावर सेक्टर-परियोजना इंजीनियरिंग प्रबंधन  
Power Sector-Project Engineering Management  
प्लॉट नं.-25, सेक्टर-18ए, नोएडा-201 301  
Pin No: 201 301, Sector-18A, Noida-201 301



ANNEXURE - I TO NIT REF NO. - PEPG/YE1/E-5255/2016, DTD-06.06.2016

1 X 370 MW YELAHANKA CCPP (KPCL)

PRICE SCHEDULE FOR COOLING TOWER (IDCT)

INDIAN BIDDER				SUPPLY						E&C			GRAND TOTAL
SL NO	ITEM DESCRIPTION	UOM	TOTAL QTY	UNIT EX-WORKS PRICE (DULY PACKED) (INR)	TOTAL EX-WORKS PRICE (DULY PACKED) (INR)	ED (INCLUDING CESS) @ % (INR)	CST/VAT @ % Against Form 'C' /EI/EII (INR)	FREIGHT CHARGES (INCLUDING SERVICE TAX) @ % OF TOTAL EX WORKS (INR)	TOTAL F.O.R SITE PRICE (INR)	SUPERVISION OF CIVIL WORKS, E & C & PG TESTING CHARGES (including Trial run, etc.) (INR)	SERVICE TAX @ % (INR)	SUPERVISION OF CIVIL WORKS, E & C & PG TESTING CHARGES (including Trial run, etc.) INCLUDING SERVICE TAX (INR)	TOTAL LUMP SUM PRICE FOR SUPPLY AND E&C WITH SERVICE TAX. (INR)
				1	2	3	4	5	6=2+3+4+5	7	8	9=7+8	10=6+9
1.0	Prices for One (1) no. Induced Draft Cooling Tower to be covered under the following Three heads only)	NO	1.00										
1.1	Total Price for Design, Manufacture, Inspection/ Testing, Supplies, Packing for transportation & delivery , complete with commissioning spares/ special tools and tackles/ including all mandatory spares, accessories & equipments as specified and as necessary for completion for One (1) number Cooling Tower. (SUPPLY)												
1.2	Total price for receipt at site, handling, storage & erection of supply items, and testing, Commissioning, trial run, PG test, handing over etc. complete with all accessories for Complete Cooling Tower as per the specification for one no (01) of Cooling Tower (E&C)												
1.3	Total price for supervision of site civil works (Concrete & Reinforcement Steel in BHEL scope) (4 Nos. site visits of One week each)												
2.0	BREAK UP OF PRICES												
2.1	Break up of Sr.No. 1.1												
a)	Design and engineering												
b)	Manufacture and supply of following :												
b1)	Complete mechanical equipments												
b2)	Complete electrical and C&l equipments												
b3)	Mandatory Spares												
2.2	Break up of Sr.No. 1.2												
c)	Erection & Commissioning of following :												
c1)	Complete mechanical equipments												
c2)	Complete electrical and C&l equipments												
d)	Performance Guarantee testing												
2.3	Break up of Sr.No. 1.3												
e)	Price for supervision of site civil works												
e1)	Charges Per visit	NO	4										
e1)	Charges Per manday	NO	28										
	Total Sl. No.2 = (a+b+c+d+e)												
3.0	Concrete & reinforcement Steel is in BHEL scope. Bidder to indicate Total BOQ for one (01) no. CT as follows for determining the total cost of CT.												
	Description	QTY	Unit										

Handwritten signature/initials.

SL NO	ITEM DESCRIPTION	UOM	TOTAL QTY	UNIT EX-WORKS PRICE (DULY PACKED) (INR)	TOTAL EX-WORKS PRICE (DULY PACKED) (INR)	ED (INCLUDING CESS) @ % (INR)	CST/VAT @ % Against Form 'C' /E/II (INR)	FREIGHT CHARGES (INCLUDING SERVICE TAX) @ % OF TOTAL EX WORKS (INR)	TOTAL F.O.R SITE PRICE (INR)	SUPERVISION OF CIVIL WORKS, E & C & PG TESTING CHARGES (including Trial run, etc.) (INR)	SERVICE TAX @ % (INR)	SUPERVISION OF CIVIL WORKS, E & C & PG TESTING CHARGES (including Trial run, etc.) INCLUDING SERVICE TAX (INR)	TOTAL LUMP SUM PRICE FOR SUPPLY AND E&C WITH SERVICE TAX. (INR)
3.1	All RCC works for IDCT Foundation, cold water basin, columns, beams, wall, inlet channel, paving, drain slab, fan deck, fan stack, precast components, fill supporting structures, hot water channel, fins etc. of Grade M30.		Cum										
3.2	Steel Reinforcement of grade Fe-500 HYSD confirming to IS: 1786 in all RCC works. Tonnage of reinforcement shall be calculated as per drawing (Steel used in laps, chairs, anchorage etc. shall not be considered for calculation of tonnage).		MT										
4.0	Price for site visit (per manday basis) (Optional and additional , apart from that included in 1.0 above))												
i) Bidders Total price shall be determined after adding cost of Concrete & reinforcement Steel at following rates (as per Terms & conditions), in his total quoted prices at S. No. 1 above.													
• All RCC works for IDCT Foundation, cold water basin, columns, beams, wall, inlet channel, paving, drain slab, fan deck, fan stack, precast components, fill supporting structures, hot water channel, fins etc. of Grade M30. - To be taken from BHEL-PSSR													
• Steel Reinforcement of grade Fe-500 HYSD confirming to IS: 1786 in all RCC works. Tonnage of reinforcement shall be calculated as per drawing (Steel used in laps, chairs, anchorage etc. shall not be considered for calculation of tonnage). - To be taken from BHEL-PSSR													
NOTES													
ii) Sum total of S.no. 2.0 should match S.no. 1.0. In the event of discrepancy the least of two figures shall be considered for award of contract.													
iii) Prices of commissioning & erection spares shall be included in the price of cooling tower.													
iv) Bidder to note that any tax/duties etc of any nature not listed above and asked after Part-1 opening shall not be considered.													
v) Bidder to specify the rates & nature of other taxes & duties.													

24/6/16

सुमीत साहय/SUMEET SAHAY  
 सहाय इंजीनियर (पी.जी.-1-2)/Sr. Engineer (PG-I-2)  
 भारती इलेक्ट्रिकल्स लिमिटेड/Bharati Heavy Electricals Ltd.  
 प्लॉट नं.-25, सेक्टर-16ए, नोएडा-201 301  
 प्लॉट नं.-25, सेक्टर-16ए, नोएडा-201 301  
 Power Section-Project Engineering Management  
 P.O. No. 25, Sector-16A, Noida-201 301

ANNEXURE - II TO NIT REF NO - PE/PG/YE1/E-5255/2016, DTD-06.06.2016									
1 X 370 MW YELAHANKA CCPP (KPCL)									
PRICE SCHEDULE FOR COOLING TOWER (IDCT)									
INDIAN BIDDER									
S. No	Spares	Quantity	Remark	UNIT EX-WORKS PRICE (DULY PACKED) (INR)	TOTAL EX- WORKS PRICE (DULY PACKED) (INR)	ED (INCLUDING CESS) @ % (INR)	CST/VAT @ % Against Form 'C' /EI/EII (INR)	FREIGHT CHARGES (INCLUDING SERVICE TAX) @ % OF TOTAL EX WORKS (INR)	TOTAL F.O.R SITE PRICE (INR)
				1	2	3	4	5	6=2+3+4+5
1.0	INDUCED DRAFT COOLING TOWER								
1.1	Fan bearings	Set	Two (2)						
1.2	Fan blade assembly	Set	One (1)						
1.3	Motor bearings	Set	One (1)						
1.4	Gear box assembly	Set	One (1)						
1.5	Fan drive shaft	Set	One (1)						
1.6	Oil seals / O-rings		50% of total requirement						
1.7	Spray nozzles		10% of total requirement						
TOTAL									



सुमीत सहाय/SUMEET SAHAY  
 वरिष्ठ अभियन्ता (पी.जी.-1-2)/Sr. Engineer (PG-1-2)  
 भारत हेवी इलेक्ट्रिकल्स लिमिटेड, Bharat Heavy Electricals Ltd.  
 पावर सेक्टर-परियोजना इंजीनियरिंग प्रबंधन  
 Power Sector-Project Engineering Management  
 प्लॉट नं.-25, सेक्टर-16ए, नोडा-201 301  
 पृष्ठ नं. 25, सेक्टर-16A, Noida-201 301

## ANNEXURE - I TO NIT REF NO. - PEP/GE/IE-5255/2016, DTD-06.06.2016

## 1 X 370 MW YELAHANKA CCPP (KPCL)

## PRICE SCHEDULE FOR COOLING TOWER (IDCT) - SUPPLY, E&amp;C AND MANDATORY SPARES

FOREIGN BIDDER				IMPORTED ITEMS ( Supply not from Indian Territory)												INDIGENEOUS ITEMS (Supply from Indian Territory)								E&C		GRAND TOTAL
Sl. NO	ITEM DESCRIPTION	UOM	TOTAL QTY	UNIT F.O.B. PRICE (INCLUDING SEAWORTHY PACKING, HANDLING AND TRANSPORTATION TO VENDORS OWN PORT.) (CURRENCY)	TOTAL F.O.B. PRICE (INCLUDING SEAWORTHY PACKING, HANDLING AND TRANSPORTATION TO VENDORS OWN PORT.) (CURRENCY)	OCEAN FREIGHT (CURRENCY)	OCEAN / MARINE INSURANCE	CUSTOM DUTY AFTER AVAILING GENUINE BENEFIT IF APPLICABLE (INR)	INLAND FREIGHT CHARGES (INCLUDING SERVICE TAX) (INR)	F.O.R. SITE IMPORTED ITEMS SUPPLY PRICE (CURRENCY + INR)	UNIT EX-WORKS PRICE (DULY PACKED) (INR)	TOTAL EX- WORKS PRICE (DULY PACKED) (INR)	ED (INCLUDING CESS) @ % (INR)	CST/VAT @ % Against Form 'C' / EWEI (INR)	PREPORT CHARGES (INCLUDING TAX) @ % OF TOTAL EX WORKS (INR)	TOTAL F.O.R SITE PRICE (INR)	SUPERVISION OF CIVIL WORKS, E&C & PG TESTING CHARGES (INCLUDING TRAIL RUN, ETC.) (INR)	SERVICE TAX (@ %) (INR)	SUPERVISION OF CIVIL WORKS, E&C CHARGES INCLUDING SERVICE TAX (INR)	TOTAL LUMP SUM PRICE FOR SUPPLY AND E&C WITH SERVICE TAX. (INR)						
1.0	Prices for One (1) no. Induced Draft Cooling Tower to be covered under the following Three heads only)	NO	1.00	1	2	3	4	5	6	7=2+3+5+6	8	9	10	11	12	13=9+10+11+12		14	15	16=14+15	17=7+13+16					
1.1	Total Price for Design, Manufacture, Inspection/ Testing, Supplies, Packing for transportation & delivery , complete with commissioning spares/ special tools and tackles/ including all mandatory spares, accessories & equipments as specified and as necessary for completion for One (1) number Cooling Tower. (SUPPLY)						BHEL SCOPE																			
1.2	Total price for receipt at site, handling, storage & erection of supply items, and testing, Commissioning, trial run, PG test, handing over etc. complete with all accessories for Complete Cooling Tower as per the specification for one no (01) of Cooling Tower (E&C)																									
1.3	Total price for supervision of site civil works (Concrete & Reinforcement Steel in BHEL scope) (4 Nos. site visits of One week each)																									
2.0 BREAK UP OF PRICES																										
2.1	Break up of S.No. 1.1																									
a)	Design and engineering																									
b)	Manufacture and supply of following :																									
b1)	Complete mechanical equipments						BHEL SCOPE																			
b2)	Complete electrical and C&I equipments																									
b3)	Mandatory Spares																									
2.2	Break up of S.No. 1.2																									
c)	Erection & Commissioning of following :																									
c1)	Complete mechanical equipments						BHEL SCOPE																			
c2)	Complete electrical and C&I equipments																									
d)	Performance Guarantee testing																									
2.3	Break up of S.No. 1.3																									
e)	Price for supervision of site civil works																									
e1)	Charges Per visit	NO	4																							
e2)	Charges Per manday	NO	28				BHEL SCOPE																			
Total Sl. No.2 = (a+b+c+d+e)																										
3.0	Concrete & reinforcement Steel in in BHEL scope. Bidder to indicate Total BOQ for one (01) no. CT as follows for determining the total cost of CT.																									
	Description	QTY	Unit																							
3.1	All RCC works for IDCT Foundation, cold water basin, columns, beams, wall, inlet channel, paving, drain slab, fan deck, fan stack, precast components, fill supporting structures, hot water channel, fins etc. of Grade M30.		CUM				BHEL SCOPE																			
3.2	Steel Reinforcement of grade Fe-500 HYSD conforming to IS: 1786 in all RCC works. Tonnage of reinforcement shall be calculated as per drawing (Steel used in laps, chains, anchorage etc. shall not be considered for calculation of tonnage).		MT																							
4.0	Prices for site visit (per mandatory basis) (Optional and additional , apart from that included in 1.0 above)																									
i) Bidders Total price shall be determined after adding cost of Concrete & reinforcement Steel at following rates (as per Terms & conditions). In the total quoted prices at S. No. 1 above - All RCC works for IDCT Foundation, cold water basin, columns, beams, wall, inlet channel, paving, drain slab, fan deck, fan stack, precast components, fill supporting structures, hot water channel, fins etc. of Grade M30. - To be taken from BHEL-PSSR - Steel Reinforcement of grade Fe-500 HYSD conforming to IS: 1786 in all RCC works. Tonnage of reinforcement shall be calculated as per drawing (Steel used in laps, chains, anchorage etc. shall not be considered for calculation of tonnage). - To be taken from BHEL-PSSR NOTES ii) Sum total of S.no. 2.0 should match S.no. 1.0. In the event of discrepancy the least of two figures shall be considered for award of contract. iii) Prices of commissioning & erection spares shall be included in the price of cooling tower. iv) Bidder to note that any tax/duties etc. of any nature not listed above and asked after Part-1 opening shall not be considered. v) Bidder to specify the rates & nature of other taxes & duties.																										

i) Bidders Total price shall be determined after adding cost of Concrete & reinforcement Steel at following rates (as per Terms & conditions) in the total quoted prices at S. No. 1 above.

- All RCC works for IDCT Foundation, cold water basin, columns, beams, wall, inlet channel, paving, drain slab, fan deck, fan stack, precast components, fill supporting structures, hot water channel, fins etc. of Grade M30. - To be taken from BHEL-PSSR

- Steel Reinforcement of grade Fe-500 HYSD conforming to IS: 1786 in all RCC works. Tonnage of reinforcement shall be calculated as per drawing (Steel used in laps, chains, anchorage etc. shall not be considered for calculation of tonnage). - To be taken from BHEL-PSSR

NOTES i) Sum total of S. no. 2.0 should match S. no. 1.0. In the event of discrepancy the least of two figures shall be considered for award of contract.

ii) Prices of commissioning & erection spares shall be included in the price of cooling tower.

iii) Bidder to note that any tax/duties etc. of any nature not listed above and asked after Part-1 opening shall not be considered.

iv) Bidder to specify the rates & nature of other taxes & duties.

24/06/16

सुमीत साहाय/SUMIT SAHA

वरिष्ठ अभियन्ता (सी.जी.-2)/अ. इन्जीनियर (PG-2)

शक्ति अभियन्ता (सी.जी.-2)/अ. इन्जीनियर (PG-2)

शक्ति अभियन्ता (सी.जी.-2)/अ. इन्जीनियर (PG-2)

शक्ति अभियन्ता (सी.जी.-2)/अ. इन्जीनियर (PG-2)

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शक्ति अभियन्ता (सी.जी.-2)/अ. इन्जीनियर (PG-2)

शक्ति अभियन्ता (सी.जी.-2)/अ. इन्जीनियर (PG-2)

शक्ति अभियन्ता (सी.जी.-2)/अ. इन्जीनियर (PG-2)

शक्ति अभियन्ता (सी.जी.-2)/अ. इन्जीनियर (PG-2)



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ANNEXURE - II TO NIT REF NO. - PEPGVE1/E-5255/2016, DTD-06.06.2016

1 X 370 MW YELAHANKA CCPP (KPCIL)

## PRICE SCHEDULE FOR COOLING TOWER (IDCT) - MANDATORY SPARES

FOREIGN BIDDER			IMPORTED ITEMS ( Supply not from Indian Territory)								INDIGENEOUS ITEMS (Supply from Indian Territory)						GRAND TOTAL
S. No	Spares	Quantity	Remark	UNIT F.O.B. PRICE (INCLUDING SEAWORTHY PACKING, HANDLING TRANSPORTATION TO VENDOR'S OWN PORT.) (CURRENCY)	TOTAL F.O.B. PRICE (INCLUDING SEAWORTHY PACKING, HANDLING AND TRANSPORTATION TO VENDOR'S OWN PORT.) (CURRENCY)	OCEAN FREIGHT (CURRENCY)	OCEAN / MARINE INSURANCE	CUSTOM DUTY AFTER AVAILING CENVAT BENEFIT IF APPLICABLE (INR)	INLAND FREIGHT CHARGES (INCLUDING SERVICE TAX) (INR)	F.O.B. SITE IMPORTED ITEMS SUPPLY PRICE (CURRENCY + INR)	UNIT EX- WORKS PRICE (DULY PACKED) (INR)	TOTAL EX- WORKS PRICE (DULY PACKED) (INR)	ED (INCLUDING CESS) (INR)	CST/VAT (INR) (Against Form 'C' /EEEI (INR)	FREIGHT CHARGES (INCLUDING SERVICE TAX) (INR) (% OF TOTAL EX WORKS (INR)	TOTAL F.O.R SITE PRICE (INR)	TOTAL LUMP SUM PRICE FOR SUPPLY OF MANDATORY SPARES. (INR)
				1	2	3	4	5	6	7=2+3+4+5	8	9	10	11	12	13=9+10+11+12	14 = 7+13
1.0	INDUCED DRAFT COOLING TOWER																
1.1	Fan bearings	Set	Two (2)														
1.2	Fan blade assembly	Set	One (1)														
1.3	Motor bearings	Set	One (1)														
1.4	Gear box assembly	Set	One (1)														
1.5	Fan drive shaft	Set	One (1)														
1.6	Oil seals / O-rings		50% of total requirement														
1.7	Spray nozzles		10% of total requirement														
TOTAL																	

रवींद्र साहाय / SUMEET SAHAY  
इंजीनियर (पी.जी.-1-2) / Sr. Engineer (PG-1-2)  
भारत हेवी इलेक्ट्रिकल्स लिमिटेड / Bharat Heavy Electricals Ltd.  
पावर सेक्टर-परियोजना इंजीनियरिंग प्रबंधन  
Power Sector-Project Engineering Management  
प्लॉट नं.-25, सेक्टर-16ए, नोएडा-201 304  
Plot No. 25, Sector-16A, NOIDA-201 304