



Ref. Enquiry No.: PE/PG/YE1/E-5503/2016
Dated: 06.03.2017

DUE DATE
23.03.2017
BY 02:00PM

SUBJECT: TENDER ENQUIRY FOR FIRE TENDER AS PER TECHNICAL SPECIFICATION NO. PE-TS-409-550-A001 FOR 1 X 370 MW KPCL YELAHANKA CCPP.

Our Ref: TENDER ENQUIRY NO: PE/PG/YE1/E-5503/2016, DTD. 06.03.2017

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 DESIGN,ENGINEERING,MANUFACTURING, SUPPLY,FABRICATION,ASSEMBLY, INSPECTION AND TESTING AT MANUFACTURER'S/SUB VENDOR'S WORKS,PAINTING,MAINTENANCE/SPECIAL TOOLS & TACKELS(AS APPLICABLE), FIRST FILL OF VEHICLE FUEL,CHEMICALS & CONSUMABLES & REPLENISHMENT OF CONSUMABLES & CHEMICAL EXHAUSTED DURING PERFORMANCE DEMONSTRATION AND FORWARDING, PROPER PACKING, SHIPMENT FOR TRANSPORTATION, SUPPLY/DELIVERY TO PROJECT SITE AT FOR SITE (KPCL YELAHANKA) ON FREIGHT PRE-PAID BASIS OF FIRE TENDER PACKAGE INCLUDING TRIAL RUN AT SITE, PREPARATION AND SUBMISSION OF DRAWING/DOCUMENTS INCLUDING AS BUILT DRAWINGS AND O & M MANUALS AND CARRYING OUT PERFORMANCE GUARANTEE/FUNCTIONAL/DEMONSTRATION TEST AT SITE (AS APPLICABLE) ETC. INCLUSIVE OF ALL PREVAILING TAXES, DUTIES, PERMANENT REGISTRATION AND ONE YEAR INSURANCE OF THE VEHICLE IN THE NAME OF END CUSTOMER AND LEVIS AND HANDOVER IN FLAWLESS CONDITION OF THE PACKAGE TO THE END CUSTOMER COMPLETE WITH ALL ACCESSORIES FOR THE TOTAL SCOPE DEFINED IN LINE WITH DRAWINGS/ DOCUMENTS/ TEST PROCEDURES APPROVED BY BHEL/CUSTOMER AND AS REQUIRED FOR THE TOTAL SCOPE DEFINED AS PER BHEL TECHNICAL SPECIFICATION NO PE-TS-409-550-A001 AND NIT FOR 1 X 370MW KPCL YELAHANKA CCPP PROJECT.
PROJECT	1 X 370MW KPCL YELAHANKA CCPP PROJECT
PACKAGE	FIRE TENDER
QTY	AS PER BOQ GIVEN IN TECH. SPEC

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 02:00PM**. Part-I bids shall be opened at **03.30PM** 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 PQR, Techno Commercial Bids and Price Bids should be submitted separately in separate envelopes.**

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SR ENGR/PG-I-2
BHEL/PS-PEM
POWER PROJECT ENGINEERING INSTITUTE,
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(OFF) 0120-4213532, 09999498202

Regd. Office:
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New Delhi-110049



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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.

TERMS AND CONDITIONS: - Please refer GCC Rev-06 which is available on www.bhelpem.com. You are requested to kindly download the same.

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 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), Techno-commercial offer along with the un-priced price bid and un-priced schedule of Technical-Commercial Deviation in a sealed envelope superscripted with heading "**Part-I Bid – Technical PQR and Techno-Commercial Offer**".
- Bidders to submit their Price Bid and Priced schedule of Technical-Commercial Deviation 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 pre-qualifying requirement of the tender.**

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

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- e) 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.**
 - **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:**
- a. **Price format is enclosed for compliance.**
 - b. **SCC enclosed for compliance.**
 - c. **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:

Mr. SUMEET SAHAY, SR ENGR, PG-I-2
M/s Bharat Heavy Electricals Ltd.,
Project Engineering Management,
Power Project Engineering Institute,
HRD & ESI Complex,

Mr. SANJAY KUMAR DUBEY, SR MANAGER, PG-I-2
M/s Bharat Heavy Electricals Ltd.,
Project Engineering Management,
Power Project Engineering Institute,
HRD & ESI Complex,

MR SUMEET SAHAY
SR ENGR/PG-I-2
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Plot No 25, Sector-16 A, Noida-201301 Kind Attn: SUMEET SAHAY/ PG-I-2 E-MAIL: sumeetsahay@bhelpem.co.in Ph. No. 0120-4213532 ,09999498202	Plot No 25, Sector-16 A, Noida-201301 Kind Attn: SANJAY KUMAR DUBEY / PG-I-2 E-MAIL: skdubey@bhelpem.co.in Ph. No. 0120- 4213635, 8800377855
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16. Definition of Terms is also enclosed. These definitions will apply to all the tender documents including this Enquiry Letter.

17. **Delivery:**

MAIN SUPPLY :-

Six(06) months from drgs. /docs. approval in CAT-I issued by BHEL. Successful bidder to make 1st submission of drawing/docs within four weeks from the date of P.O as mentioned in sheet 1 of 1 of Section-IIA of Technical Specification PE-TS-409-550-A001. Vendor to re-submit documents within 7 days, taking care of all the comments of BHEL.

PERFORMANCE DEMONSTRATION AT SITE FOR FIRE WATER TENDER AND FOAM TENDER: -
Within 15 days from BHEL intimation/clearance.

DELIVERY FOR REPLACEMENT CHEMICALS AND CONSUMABLES REQUIRED AT THE TIME OF DEMONSTRATION SHALL BE SIX (06) WEEKS FROM BHEL/SITE CLEARANCE.

18. **PRE-QUALIFICATION REQUIREMENT:-**

Bidders will be asked to fill up the details in "TECHNICAL 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 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.

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

- Approval of bidder by the BHEL PEM.
- 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.

20. **Bidders have to quote freight charges in percentage of their quoted ex-works prices for Indigenous items.**

21. **Bidder has to submit "NO DEVIATION CERTIFICATE FOR COMMERCIAL TERMS AND CONDITIONS AS PER GCC (06), SCC (REV 0) AND NIT". In case of deviations, bidder to clearly mention the same with their techno-commercial offer as per Point No-6 of NIT.**

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

23. **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.**

24. **"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.bhhelpem.com.

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25. Bidders are requested to visit constantly our website to update them self for any technical or commercial change in the NIT.
26. All corrigenda, addenda, amendments, time extensions, clarifications, etc to the tender will be hosted on BHEL website (www.bhel.com) & BHEL-PEM website (www.bhelpem.com) only. Bidders should regularly visit websites to keep themselves updated.
27. CIF allocation is not applicable for this tender. Bidder to quote accordingly.
28. Payment Terms shall be as per Clause no. 9.2 of GCC Rev 06. However, accessories and maintenance tools & tackles as noted in technical specification shall be made part of BOQ/BOM specifically and vendor will be asked to mentioned the same in billing invoice and packing list during dispatch of material and payment shall be released after reviewing of packing list from engineering.
29. Permanent registration & one (1) year insurance of the vehicle will be responsibility of vendor in name of ultimate customer and same shall be made part of NIT.
30. Temporary registration & on road insurance also will be responsibility of vendor and same shall be made part of NIT.
31. Bidders to submit their offers strictly in line with the enclosed price format.
32. Inspection shall be done by BHEL/ END CUSTOMER/Third party Agency (finalized by BHEL).
33. May please find the copy of our GCC (Rev 06) on our website www.bhelpem.com.
34. Any other taxes & duties applicable on the date of bid but not quoted by the bidders shall be to bidder account.
35. 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.
36. 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 - vendor section - Online Supplier Registration. All credentials and/or documents 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."

37. BHEL reserves the right to go for Reverse Auction (RA) (Guidelines as available on www.bhel.com) instead of opening the sealed envelope price bid, submitted by the bidder. This will be decided after techno-commercial evaluation. Bidders to give their acceptance with the offer 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.
- Those bidders who have given their acceptance to participate in Reverse Auction will have to necessarily submit 'Process compliance form' (to the designated service provider) as well as 'Online sealed bid' in the Reverse Auction. Non-submission of 'Process compliance form' or 'Online sealed bid' by the agreed bidder(s) will be considered as tampering of the tender process and will invite action by BHEL as per extant guidelines for suspension of business dealings with suppliers/ contractors (as available on www.bhel.com).

The bidders have to necessarily submit online sealed bid less than or equal to their envelope sealed price bid already submitted to BHEL along with the offer. The envelope sealed price bid of successful L1 bidder in RA, if conducted, shall also

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be opened after RA and the order will be placed on lower of the two bids (RA closing price & envelope sealed price) thus obtained. The bidder having submitted this offer specifically agrees to this condition and undertakes to execute the contract on thus awarded rates.

If it is found that L1 bidder has quoted higher in online sealed bid in comparison to envelope sealed bid for any item(s), the bidder will be issued a warning letter to this effect. However, if the same bidder again defaults on this count in any subsequent tender in the unit, it will be considered as fraud and will invite action by BHEL as per extant guidelines for suspension of business dealings with suppliers/ contractors (as available on www.bhel.com).

As a reminder to the bidders, system will flash following message (in RED Color) during the course of 'online sealed bid':

"Bidders to submit online sealed bid less than or equal to their envelope sealed bid already submitted to BHEL"

Detailed guidelines of reverse auction 2016 are available in "information section" of [www. bhelnem.com](http://www.bhelnem.com), same are applicable for subject tender.

38. IMPORTANT INSTRUCTION TO BIDDERS IN CASE OF REVERSE AUCTION

38.1 The Bidders has to quote the Single Price (i.e. Total Cost to BHEL) in Reverse Auction. Price are to be inclusive of Packing & Forwarding charges, all the routine & type tests as per tender scope, ED + cess, CST against C-form/VAT, Freight as applicable, insurance charges, etc. including loading (if any). De-loading (if any) shall be done in line with SCC of the project.

38.2 Following Condition in Reverse Auction shall be treated as follows:

38.3 Case-I (Taxes & duties and freight are identical in Reverse Auction & Conventional Price Bid)

38.4 Resolution: - Ordering shall be done on lower of the two bids (RA closing price & Conventional Price Bid). After successful completion of reverse auction L1 bidder shall be asked to submit break up in line with taxes & duties, freight quoted in their Conventional Price Bid.

38.5 Case-II (In case Bidder has quoted 'CST' in Conventional Price Bid and applicable Tax is 'VAT')

38.6 Resolution: - "Total Cost to BHEL shall be maintained by reducing proportion amount in Ex-works quoted by Bidder".

38.7 Case-III (In case Bidder has quoted 'VAT' in Conventional Price Bid and applicable Tax is 'CST')

38.8 Resolution: - Conventional Bid/RA quoted Prices shall be reduced and CST will be allowed.

38.9 Statutory variation shall be applicable.

38.10 Any new tax structure (like Goods & Services Tax) as and when implemented by the Government shall become applicable in addition to or in lieu of existing tax structure.

38.11 Note: - Applicable taxes & duties shall be determined as per location of works of bidder.

39 If any bidder has mentioned the term Not Applicable / Not required / Not Quoted in BHEL price format. The bidder needs to substantiate the same. If the same item will be required in future for the system same will be supplied free of cost.

40 Foreign Suppliers & Indian agents of foreign suppliers: Please refer our website <http://www.bhelnem.com/Tenders.aspx> for details.

41 Foreign bidders quoting along with their Authorised Indian associates to comply with BHEL corporate circular

42 AA:MM:AGENCY dated 06th August 2010 for the guidelines regarding dealings with Indian agents of Foreign bidders (as enclosed).

43 L1 bidder will have to submit BG as per format mentioned in Annexure A to NIT instead of format mentioned in GCC Rev06.

44 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.

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- 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) - TECHNICAL 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

(Signature of official with Name & Designation)

Enclosure:

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

	PACKAGE: FIRE TENDER PRE-QUALIFICATION REQUIREMENT- FIRE TENDER: WATER / CO₂ / FOAM / DRY CHEMICAL POWDER.	PE-PQ-999-551-A001	
		DATE	30/04/2016
		REV NO	00

1.0	Supplier should have capabilities for design/ manufacture and having in-house/ out-sourced facility for testing of Fire tenders: Water / CO ₂ / Foam / Dry Chemical Powder type.
2.0	The supplier has to submit either of following supporting documents meeting above mentioned pre-qualifying requirement a. Copy of minimum one (1) performance certificate in English from end user along with copy of related Purchase Order (PO) or letter of intent (LOI) or letter of award (LOA) or work order (WO) specifying that the product/ equipment is running successfully for one (1) year from date of commissioning meeting the minimum pre-qualifying requirement. OR b. Minimum two PO/ LOI /LOA/ WO placed with a minimum gap of six (6) months from same purchaser meeting the minimum pre-qualifying requirement. OR c. Minimum one PO/ LOI /LOA/ WO after commissioning of first order from same purchaser meeting the minimum pre-qualifying requirement. OR d. In case, vendor has executed contract (s) for BHEL-PEM, internal assessment by BHEL-PEM shall be followed for evaluation for satisfactory performance. For this, vendor to submit the request along-with relevant documents. OR e. Minimum three customer's/ third party's inspection reports/ test certificates/commissioning certificates meeting the minimum pre-qualifying requirement.
3.0	Minimum two (2) nos. Purchase orders, shall be submitted which should not be more than ten (10) years old as on date of bid submission, for establishing continuity in business.
4.0	Indian stockiest/ trader/ distributor/ dealer/ authorized agent/ channel partner/ Indian sales office or subsidiary of Principal - with aftersales service agreement with OEM/Principal are also acceptable provided OEM/Principal meets the minimum pre-qualification criteria stipulated above at pt no 1.

Supplier to comply general points of PQR available at
<http://bhelpe.com/vensection/pmd/pmd.aspx> in case supplier is not OEM, the offer shall be evaluated as per point no 1 of general PQR.

Amit
Prepared By

Karay
Reviewed By

Onishree
05/05/2016
Approved By

ANNEXURE - I TO NIT NO: PE/PG/YE1/E-5503/2016 , DTD. 06.03.2017



1 X 370 MW YELAHANKA CAPP (KPCL)

PRICE SCHEDULE FOR FIRE TENDER - PACKAGE

MAIN SUPPLY ITEMS

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/ElI (INR)	SERVICE TAX @ % ON PERFORMANCE DEMONSTRATION FOR FIRE TENDER AT SITE	FREIGHT CHARGES (INCLUDING SERVICE TAX) @ % OF TOTAL EX WORKS (INR)	TOTAL F.O.R SITE PRICE (INR)
A	Total lump sum firm price for design, engineering, manufacture, supply, fabrication, assembly, inspection / testing at vendor's & sub-vendor's works, painting, maintenance / special tools & tackles (as applicable), first fill of vehicle fuel, chemicals & consumables & replenishment of consumables & chemical exhausted during performance demonstration and forwarding, proper packing, shipment and delivery of complete Fire Tender at site, trial run at site, preparation and submission of drawing /documents including "As Built" drawings and O&M manuals and carrying out performance guarantee/Functional/Demonstration tests at site (As applicable) etc. Inclusive of all prevailing taxes, duties, permanent registration and one year insurance of the vehicle in the name of end customer and other levies and handover in flawless condition of the complete Fire Tender package to the end customer complete with all accessories for the total scope defined as per BHEL NIT & tender technical specification as specified above, amendment & agreements till placement of order.	LOT	1							
A.1	Major Break-up of prices for sl.no. 'A' above :									
A.1.1	Total Lumpsum price for Fire Water Tender including chassis and as specified at sl.no.A above.									

Handwritten signature and date 6/3/17



1 X 370 MW YELAHANKA CAPP (KPCL)

PRICE SCHEDULE FOR FIRE TENDER - PACKAGE

MAIN SUPPLY ITEMS

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)	SERVICE TAX @ % ON PERFORMANCE DEMONSTRATION FOR FIRE TENDER AT SITE	FREIGHT CHARGES (INCLUDING SERVICE TAX) @ % OF TOTAL EX WORKS (INR)	TOTAL F.O.R SITE PRICE (INR)
A.1.1(a)	Supply price for Fire water tender with chassis inclusive of first fill of vehicle fuel and first fill of chemicals & consumables in fire water tender with complete accessories as noted in technical specification and as per IS: 950	NO.	1							
A.1.1(b)	Supply price for the items to be supplied with Fire Water Tender as listed in enclosed Annexure-II of technical specification and Maintenance tools & tackles as per Annexure-III of technical specification.	LOT	1							
A.1.1(c)	Supply of replacement consumables & chemical at the time of performance demonstration.	LOT	1							
A.1.1(d)	Price for performance demonstration(Inclusive of replenishment job of chemicals & consumables) at site of Fire water tender.	LOT	1							
A.1.2	Total Lumpsum price for Foam Tender including chassis and as specified at sl.no.A above.									
A.1.2(a)	Supply price for Foam tender with chassis inclusive of first fill of vehicle fuel and first fill of chemicals & consumables in foam tender with complete accessories as noted in technical specification and as per IS: 10460	NO.	1							
A.1.2(b)	Supply price for the items to be supplied with Foam Tender as listed in enclosed Annexure-I of technical specification and Maintenance tools & tackles as per Annexure-III of technical specification.	LOT	1							
A.1.2(c)	Supply of replacement consumables & chemical at the time of performance demonstration.	LOT	1							

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PRICE SCHEDULE FOR FIRE TENDER - PACKAGE

MAIN SUPPLY ITEMS

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' /IE/II (INR)	SERVICE TAX @ % ON PERFORMANCE DEMONSTRATION FOR FIRE TENDER AT SITE	FREIGHT CHARGES (INCLUDING SERVICE TAX) @ % OF TOTAL EX WORKS (INR)	TOTAL F.O.R SITE PRICE (INR)
A.1.2(d)	Price for performance demonstration(Inclusive of replenishment job of chemicals & consumables) at site of Foam tender.	LOT	1							
B	TOTAL LUMP SUM PRICE (A.1.1(a) to A.1.2(d))									

Note:-

1. Bidder to note that total price indicated above at B.0 shall be considered for evaluation and hence should be complete in all respect for the full scope defined and considering all terms and conditions agreed. Please quote prices under each head , do not quote prices as inclusive.

2. For any clarification please refer Technical Specification No- PE-TS-409-550-A001.

3. Bidders to note that the Freight charges that is to be quoted by you shall be in percentage of the Total Ex Works. Bidder to mention the percentage of freight (of Total Ex Works). Please quote prices under each head , do not quote prices as inclusive.

[Handwritten Signature]

सुमील सहाय / SUMEET SAHAY
 बरिष्ठ अभियंता (पि.पी.ए.सी. / P.E.S.I.) - 2
 भारत हेवी इंजीनियरिंग लिमिटेड, एम.एच.एस. लि.
 चवथ फ्लोर, एम.एच.एस. लिमिटेड, एम.एच.एस. लि.
 Power House, M.H.S. Limited, M.H.S. Limited
 प्लॉट नं. 409, एम.एच.एस. लिमिटेड, एम.एच.एस. लि.
 Plot No. 409, M.H.S. Limited, M.H.S. Limited



PROJECT:-1 X 370 MW YELAHANKA CCPP (KPCL)

PACKAGE:- FIRE TENDERS

TENDER ENQUIRY REF NO- PE/PG/VE1/E-5503/2016 Dtd. 06.03.2017

NAME OF VENDOR:-

SL NO	VOLUME/ SECTION	PAGE NO.	TECHNICAL SPECIFICATION/ TENDER DOCUMENT	COMPLETE DESCRIPTION OF DEVIATION	COST OF WITHDRAWAL OF DEVIATION	REFERENCE OF PRICE SCHEDULE ON WHICH COST OF WITHDRAWAL OF DEVIATION IS APPLICABLE	NATURE OF COST OF WITHDRAWAL OF DEVIATION (POSITIVE/ NEGATIVE)	REASONS FOR QUOTING DEVIATION
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TECHNICAL DEVIATIONS

[illegible]

COMMERCIAL DEVIATIONS

[illegible]

PARTICULARS OF BIDDERS/ AUTHORISED REPRESENTATIVE

NAME	DESIGNATIONS	SIGN & DATE

NOTES:

- | |
|--|
| 1. For self manufactured items of bidder, cost of withdrawal of deviation will be applicable on the basic price (i.e. excluding taxes, duties & freight) only. |
| 2. For directly dispatchable items, cost of withdrawal of deviation will be applicable on the basic price including taxes, duties & freight. |
| 3. All the bidders have to list out all their Technical & Commercial Deviations (if any) in detail in the above format. |
| 4. Any deviation not mentioned above and shown separately or found hidden in offer, will not be taken cognizance of. |
| 5. Bidder shall submit duly filled unpriced copy of above format indicating "quoted" in "cost of withdrawal of deviation" column of the schedule above along with their Techno-commercial offer, wherever applicable |
| 6. Bidder shall furnish price copy of above format along with price bid. |
| 7. The final decision of acceptance/ rejection of the deviations quoted by the bidder shall be at discretion of the Purchaser. |
| 8. Bidders to note that any deviation (technical/commercial) not listed in above and asked after Part-I opening shall not be considered |
| 9. For deviations w.r.t. Payment terms, Liquidated damages, Firm prices and submission of E1/ E2 forms before claiming 10% payment, if a bidder chooses not to give any cost of withdrawal of deviation loading as per Annexure-VIII of GCC, Rev-06 will apply. For any other deviation mentioned in un-priced copy of this format submitted with Part-I bid but not mentioned in priced copy of this format submitted with Priced bid, the cost of withdrawal of deviation shall be taken as NIL. |
| 10. Any deviation mentioned in priced copy of this format, but not mentioned in the un-priced copy, shall not be accepted. |
| 11. All techno-commercial terms and conditions of NIT shall be deemed to have been accepted by the bidder, other than those listed in unpriced copy of this format. |
| 12. Cost of withdrawal is to be given separately for each deviation. In no event bidder should club cost of withdrawal of more than one deviation else cost of withdrawal of such deviations which have been clubbed together shall be considered as NIL. |
| 13. In case nature of cost of withdrawal (positive/negative) is not specified it shall be assumed as positive. |
| 14. In case of discrepancy in the nature of impact (positive/ negative), positive will be considered for evaluation and negative for ordering. |

CHITANJEET SAHAY

सुनील सहारा / SUNIL S. SHARMA (PG-I-2)
Engineer

भारत ही दुनियाकस्त जगन्तक, जगन्तक, जगन्तक
पावर सेंटर-पश्चिम जगन्तक इन्डिया-पश्चिम
Power Sector - Power Engineering India-201
प्लॉट नं. 25, सेक्टर-16A, नवीदा-201 301
Plot No. 25, Sector - 16A, Noida-201 301

21/2/20



**1x370 MW YELAHANKA COMBINED
CYCLE POWER PLANT
FIRE TENDER
STANDARD TECHNICAL REQUIREMENTS**

DOCUMENT NO.: PE-TS-409-550-A001

REV. 0

DATE: 31.08.2016

SECTION - IIA

SHEET 20 OF 25

ANNEXURE-I

Schedule of equipments to be supplied with foam tender.

S.No.	Equipment / Item	Quantity
1.0	Aluminum Extension ladder-10.5 meter (IS: 4571 or IS: 930)	1
2.0	Armoured suction hose 100 mm dia complete with round thread with couplings 2.5 m long (IS: 3549 and IS: 902)	4 lengths
3.0	Delivery hose, 63 mm, rubber lined in 30 m lengths (type II of IS: 636) complete with instantaneous couplings (IS: 903)	10 lengths
4.0	Suction strainers for item 2.0 (IS: 907)	1
5.0	Basket strainers for item 2.0 (IS: 3582)	1
6.0	Dividing breaching made of light alloy (IS: 5131)	2
7.0	Collecting breaching made out of light alloy (IS: 905)	2
8.0	Suction wrenches (IS: 4643)	1 pair
9.0	Long lines, 50 mm circumference, 30 m long (IS: 1084)	2 lengths
10.0	Short lines, 50 mm circumference, 15 m long (IS: 1084)	2 lengths
11.0	Hose, bandages, rubberised (IS: 5612)	12
12.0	Hose clamps (IS: 5612)	6
13.0	Hydrant valve key and bar (IS: 910)	1 set
14.0	Protective clothing for fire men complete with gloves, boots, helmets with suitable face shield made out of material capable of reflecting at least 95% of radiant heat temperature around 1500 to 2000 degree C and afford some protection against direct flame. The suit will be of sufficient size to accommodate a breathing apparatus to users.	2 Set
15.0	Fog nozzle (IS: 952) with extension applicator to fog head.	1
16.0	Hand controlled branch for 63 mm size hose coupling.	1
17.0	Branch pipe universal (IS: 2871)	2 nos.
18.0	Branch with revolving head (IS: 906)	1
19.0	Branch pipes (IS: 903)	4
20.0	Nozzle of size 12 mm, 16 mm, 20 mm and 32 mm (two each) (IS: 903)	10
	Adaptor for 100 mm suction female screw coupling and 63 mm male instantaneous.	2
	Adaptor double female instantaneous pattern 63 mm.	2
	Adaptor double male instantaneous pattern 63 mm.	2
21.0	Nozzle spanners (IS: 903)	2
22.0	Portable electric box lamp with rechargeable accumulator.	2
23.0	Hand lamp (torch-4 cells)	2
24.0	Flameproof lamp (usable in the present of inflammable gases of vapours)	2
25.0	Self-contained breathing apparatus (compressed air type) complete with spare cylinder and tool kit.	1 Set
26.0	First aid box for 10 persons.	1
27.0	Insulated plier (IS : 3650) with rubber gloves (IS: 4770)pair	2 Nos.



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SECTION - IIA

SHEET 21 OF 25

	tested to 20000 Volts	
28.0	Asbestos gauntlets (in case)	1 pair
29.0	Axe, large (IS: 703)	1
30.0	Spade	1
31.0	Pick axe (IS: 273)	1
32.0	Crow bar (IS: 704)	1
33.0	Sledge hammer, 6.5 kg (IS: 841)	1
34.0	Carpenter's saw, 60 cm (IS: 5098)	1
35.0	Hydraulic jack-7.5 tonne.	1
36.0	Fire hook (IS: 927)	1
37.0	Tool kit	1
38.0	VHF radio telephone set	2 nos.
39.0	Lifting and pulling machine, 3 tonnes (see IS:5604-1984)	1 No.
40.0	Motorized barrel transfer pump	1 set
41.0	Hydraulic rescue tools	1 set
42.0	Blanket smothering	1 No.
43.0	Quick release knife (see IS:5486)	5 Nos
44.0	9 kg. capacity suitable for fighting metal fires in charged condition with applicator (see IS : 11833)	2 Nos.
45.0	Copper bolt (IS : 5200)	1 No.
46.0	Fireman's axe with belt firemen and pauches firemen (IS : 926)	5 nos.
47.0	Hacksaw 300 mm adjustable with 5 spare blades each (IS : 5169)	2 Nos.



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SECTION - IIA

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ANNEXURE-II

List of equipments to be supplied with the fire water tender

S.No.	Equipment / Item	Quantity
1.0	Aluminium Extension ladder –10.5 m (IS 4571)	01
2.0	a) Rubber lined delivery hose according to Type-II of IS: 636 in 30 m or 15 m length fitted with 63 mm delivery hose couplings (IS: 903)	180 m
	b) Unlined flax canvas hose according to IS 4927 in 30m lengths fitted with delivery hose coupling (as per IS 903)	150 m
	c) Controlled percolating hose as per IS8423 in 30 m lengths fitted with delivery hose couplings (as per IS 903)	150 m
3.0	a) Hose clamps (IS: 5612, part-1)	25
	b) Hose bandages (IS: 5612, part-II)	25
	c) Hose slings	20
	d) Hose straps	20
4.0	Suction hose of rubber of 100 mm internal Diameter in 2.5 m length (IS: 2410) fitted with 100 mm suction hose couplings (as per IS 902).	10 m
5.0	3 way suction collecting head 100 mm size (IS: 904)	01
6.0	Suction wrenches for 100mm suction coupling (IS: 4643)	02
7.0	Suction Strainer 100 mm size (IS: 907)	01
8.0	Basket strainer, cylindrical type (IS: 3582)	01
9.0	Dividing breeching with control instantaneous Pattern 63 mm (IS 5131)	1
10.0	Collecting breaching with control instantaneous Pattern 63 mm (IS 905)	01
11.0	a) Hydrant-stand pipe-two way (IS: 5714)	01
	b) Double female coupling (IS: 901)	02
	c) Hydrant connection, 63mm female instantaneous pattern delivery coupling at both end. (IS: 901)	02
12.0	Combined key for hydrant, hydrant cover and lower valve (IS 910)	02
13.0	Fog nozzle with extension applicator with fog head (IS: 952)	01
14.0	Hand controlled branch for 63 mm size hose coupling	01
15.0	Branch pipe universal (IS: 2871)	02



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16.0	Branch with revolving head (IS: 906)	01
17.0	Branch pipe (IS 903)	4
18.0	Nozzles of sizes 12 mm, 16 mm, 20 mm and 32 mm (two each) (IS: 903)	10
19.0	a) Adopter for 100 mm suction female screw Coupling and 63 mm male instantaneous	02
	b) Adopter double female instantaneous pattern 63 mm	02
	c) Adopter double male instantaneous pattern 63 mm	02
20.0	Nozzle spanners (IS: 903)	02
21.0	Portable electric box lamp with rechargeable accumulator.	02
22.0	Hand lamp (torch – 4 cells)	02
23.0	Flame proof lamp (useable in the presence of inflammable gases and vapours.	02
24.0	Self-contained breathing apparatus (compressed air type) complete with spare cylinder and tool kit.(IS 10245 Part 2)	1 set
25.0	Portable fire extinguisher, dry powder type, 2 kg (IS: 2171)	01
26.0	Foam making branch FB-4 with pick up tube (IS 2097)	01
27.0	Lowering Line: 50 mm hmp or terylene 40 m long having two ends spliced in and one end with a running noose (IS: 1084)	01
28.0	Long line, 50mm manila, 30 m long (IS 1084)	01
29.0	Short line, 50mm manila, 15 m long (IS 1084)	01
30.0	Canvas buckets	02
31.0	First aid box for 10 persons	01
32.0	Insulated plier (IS3650) with rubber gloves pair (IS4770) tested to 20000 volts	2 nos.
33.0	Asbestos gauntlets	1 pair
34.0	Axe large (IS: 703)	01
35.0	Spade	01
36.0	Pick Axe (IS: 273)	01
37.0	Crow Bar (IS: 704)	01
38.0	Sledge Hammer (IS: 841) –6.5 Kg	01



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39.0	Carpenter saw 60 cm (IS: 5098)	01
40.0	Spanner – adjustable, 30 cm length handle (IS: 6149)	01
41.0	Door breaker	01
42.0	Hydraulic jack –7.5 tonnes	01
43.0	Fire Hook (IS 927)	1
44.0	Tool kit	01
45.0	Grease gun	02
46.0	Oil feeder	01
47.0	Can oil – 2 litres	01
48.0	Oil can – 10 litres	01
49.0	Funnel for oil or fuel filling – 250 mm	01



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SECTION - IIA

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ANNEXURE-III

List of Maintenance Tools and Tackles to be supplied with each vehicle

Sl.NO.	ITEM	QUANTITY
1	DE spanner set 6.25 mm	1 set
2	Ring spanner set 6.25	1 set
3	Adjustable wrench 200 mm	1 No
4	Pliers cutting	1 No
5	Pliers round nose 150 mm	1 No
6	Pipe wrench 300 mm	1 No
7	Screw driver 150 mm	1 No
8	Screw driver 250 mm.	1 No
9	File half round smooth 150 mm	1 No
10	Hammer ball pen ½ kg.	1 No
11	Grease gun.	1 No
12	Oil feeder.	1 No
13	Carpenter saw 450/500	1 No

Note: The above list is bare minimum, if any other maintenance tools & tackles required as per system requirement same shall be provided to BHEL without any additional cost.