



Ref. Enquiry No.: PE/PG/KAR/E-5246/2016 Dt. 27.05.2016

DUE DATE
20-Jun-2016
BY 10.00 AM (IST)

Dear Sir,

Subject: Tender Enquiry for "LT PVC POWER CABLES" as per Technical Specification No. PE-TS-405-507-E005 for 3 X 660 MW NORTH KARANPURA STPP STG-I Project

BHEL invites offers from reputed Vendors (Refer pre-qualifying requirements and other requirements given in tender enquiry letter uploaded on our websites) for Design, Manufacturing, Inspection and Testing at manufacturer's works, proper packing and delivery to site of **LT PVC POWER CABLES** as mentioned in different sections of the specification **PE-TS-405-507-E005** for **3X660 MW NORTH KARANPURA STPP** on FOR site basis.

Your offer shall be submitted in two parts strictly as per Clause-2.0 of the "Instructions to Bidders" of GCC, Rev. 06 in quintuplicate (5 sets), in sealed covers for the under mentioned equipment/system, in line with our terms and conditions.

Item Description - LT PVC POWER CABLES		
Sl. No.	Project	TECHNICAL SPECIFICATION NO.
1	3 X 660 MW NORTH KARANPURA STPP STG-I	PE-TS-405-507-E005

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 following address only:

**Tender Box, Tender Room, Ground Floor, PPEI Building
(behind Reception Desk)**
C/o MANISHA GUPTA, DY. MGR, PG-III
M/s. Bharat Heavy Electricals Ltd.,
Project Engineering Management,
Power Project Engineering Institute,
HRD & ESI Complex,
Plot No 25, Sector-16 A, Noida-201301,U.P.,INDIA
E-MAIL: manisha@bhelpem.co.in
Ph. No. +91-120-4368666; Mob: +917834815222

It shall be the responsibility of the bidder to ensure that the tender is delivered on or before the **due date by 10:00 A.M.** The offer has to be deposited in tender box only. Part-I bids shall be opened at 11:00 A.M. on the due date in the presence of authorized representatives of the bidders, who may like to be present.

Manisha
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The bidder is required to clearly mention

1. Enquiry No. & Name of the project/package in BOLD LETTERS on the top of each envelope submitted.
2. Name and contact details (including mobile no. and email address) of minimum one contact person along with date of submission of offer in a cover letter.

Note: Tenderer must submit UN-PRICED Price format duly filled mentioning the word "QUOTED" in place of actual price. The actual price is to be filled in separately and submitted in sealed price bid.

ENQUIRY TERMS AND CONDITIONS

Please refer GCC Rev.06 which is available on www.bhelpem.com/Tenders.aspx. Bidder is requested to kindly download the same. Bidder is requested to go through the same while submitting the offer.

1. Enquiry No., due date etc. must be legibly super scribed on the sealed envelopes as per clause no. 2.0 of "Instructions to Bidders of GCC, Rev. 06".

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

Part-I: **TECHNO-COMMERCIAL BID**

Part-II: **PRICE BID**

For detailed instructions, please see clause no. 2 of "Instructions to Bidders of GCC Rev. 06".

3. **Mandatory requirement:**

As this is a conditional enquiry subject to clearance from NTPC as per Proveness Clause mentioned at Sl. No. 3.6 of Section-C of Technical Specification which is again reiterated as below:

"Bidder should have manufactured and supplied following cables prior to the date of Techno Commercial bid opening i.e, 28/11/2013:

(a) At least 100 km of aluminium conductor, XLPE insulated, PVC sheathed power cables of 1.1kV or higher grade in one single contract.

(b) At least 100 km of aluminium conductor, PVC insulated, PVC sheathed power cables of 1.1kV or higher grade in one single contract.

(c) At least one (1) km of flame retardant low smoke cables.

(d) 1.1kV or higher grade power cable of minimum 630sq.mm conductor size.

All bidders to submit supporting documents (Purchase order copies along with customer MDCC/ receipted LR/ Customer performance certificate) along with their offer.

4. 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: "OFFER SUBMISSION AS PER NIT".

Handwritten signature and date: 27/05/16



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ANNEXURE-II: "DEVIATION SHEET (COST OF WITHDRAWAL)". IN CASE OF DEVIATIONS (TECHNICAL/COMMERCIAL), THE SAME SHALL BE HIGHLIGHTED IN ANNEXURE-II TO GCC REV. 06 ALONG WITH REASONS FOR TAKING SUCH DEVIATIONS.

Bidders to note all the points mentioned in "Notes" of Annexure-II to GCC Rev.06 and quote accordingly.

ANNEXURE-III: "DECLARATION".

5. Bidders to note that following form the part of tender documents :
 - a) General Conditions of Contract (GCC) Rev. 06 comprising of: Instructions to Bidders and General Commercial Terms & Conditions.
 - b) Technical Specification
 - c) Price format & Special Conditions of Contract (SCC)
 - d) Technical PQR.
 - e) NTPC assessment format
 - f) NIT (Enquiry) Terms & Conditions.
 - g) Performance Bank Guarantee format.
 - h) Terms and conditions of RA
6. Bidder has to submit "NO DEVIATION CERTIFICATE FOR COMMERCIAL TERMS AND CONDITIONS as per General Conditions of Contracts (GCC, Rev.06), Special Conditions of Contract and Notice Inviting Tender (NIT)" **in case of no deviations**. In case of deviations, bidder to clearly mention the same in line with Annexure-II of GCC, rev-06 along with their techno-commercial offer.
7. Any hidden conditions/deviations mentioned elsewhere in offer and standard pre-printed terms & conditions of the tenderers shall not be considered valid.
8. 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.
9. Tenderers must enclose the Quality Plan in the prescribed format, for approval. Equipment will be dispatched only after Purchaser's/Owner's inspection at the hold points specified in the approved Quality Plan and issue of Material Dispatch Clearance Certificate (MDCC).
10. Unsolicited Fresh/Revised Price Bids shall not be entertained.
11. Late tenders shall be rejected.
12. All correspondence thereof, shall be addressed to the undersigned by name & designation and sent at the following address :

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MANISHA GUPTA, DY. MGR, PG-III M/s. Bharat Heavy Electricals Ltd., Project Engineering Management, Power Project Engineering Institute, HRD & ESI Complex, Plot No 25, Sector-16 A, Noida-201301,U.P.,INDIA E-MAIL: manisha@bhhelpem.co.in +91-120-4368666; Mob: +917834815222	SANDEEP KUMAR, SR. MANAGER, PG-III M/s. Bharat Heavy Electricals Ltd., Project Engineering Management, Power Project Engineering Institute, HRD & ESI Complex, Plot No 25, Sector-16 A, Noida-201301,U.P.,INDIA E-MAIL: sandeepkumar@bhhelpem.co.in +91-120-4368942, Mob:+919810331191
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13. **Delivery Schedule :**

Delivery for LOT-I quantity shall be within 3 months from the date of approval of technical/ quality documents. This is subject to submission of all drawing/docs as per S. No. 4.0 of Sec-C of Vol-IIB of Technical Spec and revised docs submission incorporating all comments within 10 days from BHEL comments. In case there is delay in submission/ resubmission of docs, that much days would be reduced from delivery period.

For Subsequent lots: a lead time of 2 months will be given from the date of clearance of quantity (after PO amendment) for completion of supplies.

13. The Evaluation will be done on overall L1 (Total cost to BHEL) basis with necessary loadings as applicable.

14. Prices shall be variable as per PVC formulae uploaded on BHEL PEM website on the link given below:

<http://www.bhhelpem.com/Documents/GCC/Price%20Variation%20Formulae%20for%20Cables.pdf>

The price variation shall be limited to + 10% of total ex-works price actually supplied (cable size wise) and -ve price variation shall be unlimited. PVC shall be limited for the metals for which rates published by IEEMA.

The Base date for prices shall be April 2016.

15. PVC shall be payable within agreed contractual delivery period. In case of delay is attributable to vendor, for the payment purpose, the PVC shall be calculated based on rates applicable as on the date of expiry of contractual delivery date or actual delivery date, whichever is beneficial to BHEL.

16. Quantity variation: Total quantity variation shall be limited to -30% to +30% of total contract value derived on the basis of ordered quantities in line with clause No. 6 of GENERAL COMMERCIALTERMS & CONDITIONS of GCC, R-06.

17. **Pre-Qualifying Requirement :**

Bidders are requested to furnish the details as per "TECHNICAL PRE-QUALIFYING REQUIREMENT" (attached with Enquiry Document) and Mandatory Requirement mentioned at Sl. No. 3 above. Bidders to submit their latest credentials.

Bids of only those bidders shall be evaluated who meet the Technical PRE-QUALIFYING REQUIREMENT and + Mandatory requirements. Credentials of the bidders meeting the prequalifying requirements shall be taken up with customer for approval.

Only those bidders, whose offer is technically and commercially recommended, shall be allowed to participate in RA/ Price-Bid opening.

18. **Reverse Auction :**

BHEL reserves the right to finalize Prices by conducting Reverse Auction or by conventional way of price bid opening (Refer Clause No. 13.0 of Instruction to Bidder, Volume-I, GCC Rev. 06), which will be decided after

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techno-commercial evaluation. In view of above, Bidders are requested to quote their most competitive prices as no negative price impact on account of non-conduction of RA shall be asked for. Refer Annexure I (Terms & Conditions of Reverse Auction).

19. Bidders are requested to refer Performance Bank Guarantee (PBG) format & rules and adhere to it while furnishing PBG.
20. CIF is not available for the subject package.
21. Bidder to note that this is a conditional Open (Global) Tender enquiry for those who are not registered with BHEL PEM and/or are not approved by Customer for the subject project/ package, and the price bid (Part-II) opening/RA shall be subject to following criterion:
 - a) Approval of bidder by BHEL
 - i. The bidders (who are not registered with BHEL PEM) to download the Supplier Registration Form (SRF) from www.bhel.com or <http://www.bhelpem.com/vendor%20Corner.aspx> and submit the same duly filled in along with credentials- experience list, performance certificates and other statutory data to our Vendor Development section with intimation to us.
 - b) Approval of bidder by Customer
Approval shall be taken up by BHEL with customer based on the latest credentials/reference list. Hence Bidders are requested to submit the following (as part of their credentials) on or before Part-I opening/due date:-
 - i. Reference list indicating PO details, customer name, PO date, execution date etc.
 - ii. Performance certificate issued by the clients.
 - iii. Filled NTPC assessment format attached with enquiry and all documents referred to in the questionnaire (sign and stamped on each page).
22. **Indigenous bidders have to quote freight charges in terms of percentage of their quoted Total Ex- works prices.**
23. Integrity pact is applicable. IEM name for this Enquiry is Shri D.R.S Chaudhary, IAS (Retd.).
24. All the above Tender Documents shall automatically become a part of the Order/Contract after its finalisation.
25. 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/Tenders) only. Bidders should regularly visit websites to keep themselves updated.
26. The offers of the bidders who are on the banned list and also the offers 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.
27. The order of precedence shall be as per clause 35.0 of GCC.
28. 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 :
 - a) Acceptance of GCC, Rev.06.
 - b) Acceptance of RA terms & conditions (Annexure-I).
 - c) Acceptance of Special Conditions of Contract (SCC) of the project.

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- d) Pre-qualifying Requirement (PQRs) – Supporting documents of TECHNICAL PQR and Mandatory Requirement
- d) Technical Deviations and commercial deviations, if any as per **Annexure-II of GCC, Rev.06.**
- e) Along with your offer, please submit a copy of this letter duly signed & stamped on each page as token of acceptance of all terms & instructions conveyed.
- f) Un-Priced price schedule (format) duly filled in 'Quoted' or 'Q' in each column/row.
- g) Separate sealed price-bid envelope mentioning Enquiry No. & Name of the project/package in **BOLD LETTERS** on the top of each envelope.

Thanking You.

Yours faithfully,
For and on behalf of BHEL

MANISHA GUPTA
27/05/16

MANISHA GUPTA
(Dy. Manager/PG-III/BHEL-PEM)

Enclosures:

1. Enquiry Letter with Terms & Conditions (This letter)
2. Technical Specification
3. Technical PQR
4. Price format/schedule (**Prices should be quoted strictly in this format only**).
5. SCC of 3 X 660 MW NORTH KARANPURA STPP STG-I
6. NTPC assessment format
7. Supplier Registration Form for Indigenous Supplier
8. Annexure – I - **Terms & Conditions of Reverse Auction**
9. Annexure – II to cost of withdrawal of deviations
10. Performance Bank Guarantee format.

3X 660 MW NORTH KARANPURA STPP
Price Schedule for LT PVC POWER CABLE FOR INDIAN BIDDERS

(A) MAIN SUPPLY

(1.1) 1.1 kV/ Aluminium conductor/ PVC insulated/ Unarmoured/Innersheath PVC Type ST2 (no inner sheath for single core cables)/ Outersheath Extruded FRLS PVC Type ST2 as per IS: 5831

S. NO.	ITEM CODE	Cable Size (No. of cores x Cross section Area (sq.mm))	Order Quantity (meters)	LOT-1 QUANTITY	Drum length (meters)	Unit price (Ex-works) Rs.	Total price (Ex- works) Rs.	EXCISE DUTY	CST /VAT (as applicable) @____% (Rs.)	FREIGHT CHARGES incl. service tax @ ____%age of Total Ex-Works (in Rs.)	TOTAL FOR SITE PRICE (Rs.)
A1	507-29012-A	2C-10	11000	7000	1000			NIL AGAINST PAC			
A2	507-29028-A	2C-95	26000	16000	1000						
A3	507-29141-A	2C-120	4000	3000	1000						
A4	507-29040-A	3C-10	70000	42000	1000						
A5	507-29048-A	3C-25	45000	27000	1000						
A6	507-29050-A	3C-50	35000	21000	1000						
A7	507-29052-A	3C-95	20000	12000	1000						
A8	507-29032-A	3.5C-25	8000	5000	1000						
A9	507-29036-A	3.5C-50	57000	35000	1000						
A10	507-29038-A	3.5C-95	20000	12000	1000						
A11	507-29068-A	1C-35	45000	27000	1000						
A12	507-29072-A	1C-70	38000	23000	1000						
A13	507-29076-A	1C-120	11000	7000	1000						
Total											

(1.2) 1.1 kV/ Aluminium conductor/ PVC insulated/ Armoured/Innersheath PVC Type ST2 (no inner sheath for single core cables)/ Outersheath Extruded FRLS PVC Type ST2 as per IS: 5831

S. NO.	ITEM CODE	Cable Size (No. of cores x Cross section Area (sq.mm))	Order Quantity (meters)	LOT-1 QUANTITY	Drum length (meters)	Unit price (Ex-works) Rs.	Total price (Ex- works) Rs.	EXCISE DUTY	CST /VAT (as applicable) @____% (Rs.)	FREIGHT CHARGES incl. service tax @ ____%age of Total Ex-Works	TOTAL FOR SITE PRICE (Rs.)
A14	507-29031-A	3.5C-25	34000	21000	1000			NIL AGAINST PAC			
A15	507-29035-A	3.5C-50	6000	4000	1000						
Total											

(1.3) 1.1 kV/ Copper conductor/ PVC insulated/ Armoured/Innersheath PVC Type ST2 (no inner sheath for single core cables)/ Outersheath Extruded FRLS PVC Type ST2 as per IS: 5831. With Yellow Outer Sheath.

S. NO.	ITEM CODE	Cable Size (No. of cores x Cross section Area (sq.mm))	Order Quantity (meters)	LOT-1 QUANTITY	Drum length (meters)	Unit price (Ex-works) Rs.	Total price (Ex- works) Rs.	EXCISE DUTY	CST /VAT (as applicable) @____% (Rs.)	FREIGHT CHARGES incl. service tax @ ____%age of Total Ex-Works (in Rs.)	TOTAL FOR SITE PRICE (Rs.)
A16	507-29043-A	3C-2.5	16000	10000	1000			NIL AGAINST PAC			
Total											

(1.4) 1.1 kV/ Copper conductor/ PVC insulated/ unarmoured/Innersheath PVC Type ST2 (no inner sheath for single core cables)/ Outersheath Extruded FRLS PVC Type ST2 as per IS: 5831

S. NO.	ITEM CODE	Cable Size (No. of cores x Cross section Area (sq.mm))	Order Quantity (meters)	LOT-1 QUANTITY	Drum length (meters)	Unit price (Ex-works) Rs.	Total price (Ex- works) Rs.	EXCISE DUTY	CST /VAT (as applicable) @____% (Rs.)	FREIGHT CHARGES incl. service tax @ ____%age of Total Ex-Works (in Rs.)	TOTAL FOR SITE PRICE (Rs.)
A17	507-29016-A	2C-2.5	146000	88000	1000			NIL AGAINST PAC			
A18	507-29044-A	3C-2.5	332000	200000	1000						
Total											
2.0 Grand TOTAL (1.1 to 1.4)											

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Notes :

1. The variation in quantities shall be as indicated in NIT.
2. The bidder shall indicate the unit price of each type and size of cables listed as per the BOQ-Cum-Price Schedule enclosed with this specification. The unit prices shall apply for adjustment of variation in quantity as stipulated above.
3. Lot-1 Quantity indicated above shall be cleared for manufacturing along with LOI. However, manufacturing of the cables shall be taken up by the successful bidder only after approval of technical and quality documentation. Subsequent lots shall be cleared for manufacture based on progress of engineering and site requirements.
4. Overall tolerance on total dispatched quantity of each size shall be (-) 2% and (+) 0%. Cables consumed for testing and inspection shall be to bidder's account.
5. Standard drum length shall be 1000 metres. Tolerance on individual drum length shall be $\pm 5\%$. For each individual cable size, one short length of not less than 200m may be accepted only in the final drum length to complete the supply. The overall tolerance limits stipulated above shall continue to apply (in case short lengths are accepted).
6. In case the quantities cleared by BHEL for manufacturing (in a lot) are manufactured and offered for inspection by successful bidder in more than one batch, BHEL reserves the right to witness type testing on all batches without any price implication.
7. Bidder shall indicate unit price of cables inclusive of type test charges. No separate Type Test charges are to be quoted by bidder.
8. Bidder shall quote for all sizes/types of cables as per specification, failing which their offer shall be rejected.
9. Delivery schedule of LOT-1 and subsequent lots shall be as per NIT.

Accepted
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3X 660 MW NORTH KARANPURA STPP**Price Schedule for LT PVC POWER CABLE FOR FOREIGN BIDDERS****(A) MAIN SUPPLY**

(1.1)1.1 kV/ Aluminium conductor/ PVC insulated/ Unarmoured/Innersheath PVC Type ST2 (no inner sheath for single core cables)/ Outersheath Extruded FRLS PVC Type ST2 as per IS: 5831

S. NO.	ITEM CODE	Cable Size (No. of cores x Cross section Area (sq.mm))	Order Quantity (meters)	LOT-1 QUANTITY	Drum length (meters)	Unit FOB PRICE (CURRENCY)	Total FOB PRICE (CURRENCY)
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A2	507-29028-A	2C-95	26000	16000	1000		
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A7	507-29052-A	3C-95	20000	12000	1000		
A8	507-29032-A	3.5C-25	8000	5000	1000		
A9	507-29036-A	3.5C-50	57000	35000	1000		
A10	507-29038-A	3.5C-95	20000	12000	1000		
A11	507-29068-A	1C-35	45000	27000	1000		
A12	507-29072-A	1C-70	38000	23000	1000		
A13	507-29076-A	1C-120	11000	7000	1000		
	Total						

(1.2)1.1 kV/ Aluminium conductor/ PVC insulated/ Armoured/Innersheath PVC Type ST2 (no inner sheath for single core cables)/ Outersheath Extruded FRLS PVC Type ST2 as per IS: 5831

S. NO.	ITEM CODE	Cable Size (No. of cores x Cross section Area (sq.mm))	Order Quantity (meters)	LOT-1 QUANTITY	Drum length (meters)	Unit FOB PRICE (CURRENCY)	Total FOB PRICE (CURRENCY)
A14	507-29031-A	3.5C-25	34000	21000	1000		
A15	507-29035-A	3.5C-50	6000	4000	1000		
	Total						

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(1.3) 1.1 kV/ Copper conductor/ PVC insulated/ Armoured/Innersheath PVC Type ST2 (no inner sheath for single core cables)/ Outersheath Extruded FRLS PVC Type ST2 as per IS: 5831. With Yellow Outer Sheath.

S. NO.	ITEM CODE	Cable Size (No. of cores x Cross section Area (sq.mm))	Order Quantity (meters)	LOT-1 QUANTITY	Drum length (meters)	Unit FOB PRICE (CURRENCY)	Total FOB PRICE (CURRENCY)
A16	507-29043-A	3C-2.5	16000	10000	1000		
	Total						

(1.4) 1.1 kV/ Copper conductor/ PVC insulated/ unrmoured/Innersheath PVC Type ST2 (no inner sheath for single core cables)/ Outersheath Extruded FRLS PVC Type ST2 as per IS: 5831

S. NO.	ITEM CODE	Cable Size (No. of cores x Cross section Area (sq.mm))	Order Quantity (meters)	LOT-1 QUANTITY	Drum length (meters)	Unit FOB PRICE (CURRENCY)	Total FOB PRICE (CURRENCY)
A17	507-29016-A	2C-2.5	146000	88000	1000		
A18	507-29044-A	3C-2.5	332000	200000	1000		
	Total						
2.0	Grand TOTAL (1.1 to 1.4)						

Notes :

1. The variation in quantities shall be as indicated in NIT.
2. The bidder shall indicate the unit price of each type and size of cables listed as per the BOQ-Cum-Price Schedule enclosed with this specification. The unit prices shall apply for adjustment of variation in quantity as stipulated above.
3. Lot-1 Quantity indicated above shall be cleared for manufacturing along with LOI. However, manufacturing of the cables shall be taken up by the successful bidder only after approval of technical and quality documentation. Subsequent lots shall be cleared for manufacture based on progress of engineering and site requirements.
4. Overall tolerance on total dispatched quantity of each size shall be (-) 2% and (+) 0%. Cables consumed for testing and inspection shall be to bidder's account.
5. Standard drum length shall be 1000 metres. Tolerance on individual drum length shall be $\pm 5\%$. For each individual cable size, one short length of not less than 200m may be accepted only in the final drum length to complete the supply. The overall tolerance limits stipulated above shall continue to apply (in case short lengths are accepted).
6. In case the quantities cleared by BHEL for manufacturing (in a lot) are manufactured and offered for inspection by successful bidder in more than one batch, BHEL reserves the right to witness type testing on all batches without any price implication.
7. Bidder shall indicate unit price of cables inclusive of type test charges. No separate Type Test charges are to be quoted by bidder.
8. Bidder shall quote for all sizes/types of cables as per specification, failing which their offer shall be rejected.
9. Delivery schedule of LOT-1 and subsequent lots shall be as per NIT.

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