1. For any technical clarification, please contact Shri Vivek Kapil, DGM (TBEM); Contact No. 0120-06748539 / 9818080691; e-mail: **vivekk@bhel.in**

2. For any commercial clarification, please contact Smt. Archana Kumari, Dy. Manager (TBMM) / Sh. Anuj Kumar, Sr. DGM (TBMM); Contact No. 0120-6748467 / 8052; e-mail: **archanak@bhel.in / anujkumar@bhel.in**

3. Bidder must ensure that their bid is submitted / dropped in the tender box on or before **14.00 Hrs.** IST on the due date of opening at the address as follows:

   TENDER Box (Purchase)
   Material Management Division
   Transmission Business Group
   Tower A, 5th Floor, BHEL, Advant Navis IT Business Park
   Plot No 7, Sector - 142, Express way Noida
   Noida -201305
   DISTT- GAUTAM BUDH NAGAR, UP

   Or by mail only to tenderbox@bhel.in

4. Clause no. ï 12 of GTC shall be read as follows:

   DELIVERY PERIOD: - Vendor to ensure Supply of complete material (as per Schedule of Price and Technical Specification) within Four (04) months from the date of manufacturing clearance from BHEL. However, Drawings/documents/Type test reports/MQP etc shall be submitted within 15 days from the date of PO and every revised submission incorporating comments within 7 days from the date of comments. In case there are delays in submission /resubmission of drawing /documents as per above schedule, that much days would be reduced from delivery period.

   15 days' time for type test if applicable, shall be given separately (Either at vendor's works or through Third Party Lab).

   Note : 1. LR / GR date or invoice date (whichever is later) for indigenous supplies and BL / AWB date for FOB / CIF (if applicable) contracts shall be considered as delivery date.

5. Permissible Technical Deviations: No permissible Technical Deviation has been envisaged.

6. **Clause No. – 2 for Prices of GCC shall be on PVC basis as per Annexure – B.**

7. **The link for Online Supplier registration Portal is https://supplier.bhel.in/.**

8. **Clause No. 33 for Reverse Auction of NIT shall be as follows:**

   "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 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 ónline sealed bidô

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

9. INTEGRITY PACT

IP is a tool to ensure that activities and transactions between the Company and its Bidder / Contractors are handled in a fair, transparent and corruption free manner. A panel of independent External Monitors (IEMs) have been appointed to oversee implementation of IP in BHEL.

The IP as enclosed with the tender is to be submitted (duly signed by authorized signatory who signs in the offer) along with techno –commercial bid. Only those bidders who have entered into such an IP with BHEL would be competent to participate in the bidding. In other words, entering into this Pact would be a preliminary qualification.

Details of IEM for this tender is furnished below:

Name : Sh. D.R.S Chaudhary (IAS (Retd.)
Address: E-1/164 Arera Colony Bhopal - 462016
Email ï dilip.chaudhary@icloud.com

10. Technical Pre- Qualification Criteria: As per Annexure – A.

11. IMPORTANT INSTRUCTION: Final acceptance of only one shortlisted vendor for placement of order is subject to CUSTOMER (TANTRANSCO) approval.
Following documents required for obtaining customer approval :

1. **Performance certificate from end user of successful operation for two (02) years as on date of bid opening**
2. **Valid type test reports**
3. **PO copy from state utilities/SEB/NTPC/PGCIL**
4. **Reference list**

12. Clause No. 7 of General Terms & Conditions for Tender Enquiry (Performance Bank Guarantee clause) shall be read as follows:

Supplier shall arrange to submit Performance BG / Deposit on a non-judicial stamp paper of appropriate value along with first invoice or within 60 days from placement of Purchase Order (PO) whichever is earlier, in line with follows :-

PBG for 10% of the total Ex works PO value, valid for 36 months from the date of commissioning of works in all respects and taking over by TANTRANSCO (date is 31.03.2019) with claim period of 3 months over and above. Ex-Works PO value at the time of placement of PO shall be considered for calculation of the PBG amount.
In case of extension of BG Period is required, bidder to ensure extension of PBG accordingly.

Note :

i) The Bank Guarantee shall be from any bank as per Annexure for List of Banks (32 Nos.). The original PBG should be sent by issuing Bank directly to AGM (Finance), TBG, BHEL, Noida.

ii) Extension of validity of the PBG in original, as per above clause, should be sent by issuing Bank directly to AGM (Finance), TBG, BHEL, Noida at least 45 days before expiry of validity of the PBG.

iii) Unless otherwise specified in the NIT, deviation taken for non-submission of PBG / Deposit, as applicable, shall not be accepted.

iv) In case of nonï submission PBG / Deposit, as applicable, BHEL reserve the right for Risk Purchase as per terms of the NIT and impose Suspension of Business Dealings with the Supplier / Contractor.

v) BHEL reserve the right to encash the Bank Guarantee and forfeit the amount in the event of any default, failure or neglect on part of the Supplier in fulfilment of performance of the Purchase Order.

vi) Value of the Bank Guarantee (at the time of submission) shall remain unchanged for any subsequent variations in Purchase Order value up to ± 20%. Beyond this variation of ± 20%, the Supplier shall arrange to enhance or may reduce the value of the Bank Guarantee accordingly for the total variation promptly.

vii) Vendor to ensure submission of Certificate of Final Documentation /Confirmation regarding Non applicability of Final Documentation, as the case may be, as referred in clause No 9 regarding Final Documentation. BG shall be released only after submission of the same to BHEL TBMM.

13. Clause No. 5 of General Terms & Conditions for Tender Enquiry (Guarantee Clause) shall be read as follows:

The equipment / material supplied and services rendered (if applicable) shall be guaranteed to be free from all defects and faults in design & engineering, material, workmanship & manufacture and in full conformity with the Purchase Order / Contract, Technical Specifications & approved drawings / data sheets, if any, for 36 (Thirty Six) months for the specified works from the date of commissioning of works in all respects and taking over by TANTRANSCO (date is 31.03.2019).

The defective equipment / material / component shall be replaced free of cost at site. Freight & Insurance during transit shall also be in the scope of the supplier / contractor. Any expenditure for dismantling and re-erection of the replaced equipment / material / component shall be to supplierǿs / contractorǿs account. All replacements during the guarantee period shall be delivered at site promptly and satisfactorily within a period not more than 45 days from the date of reporting the defect / rejection etc.

In the event of the supplier / contractor failing to replace the defective equipment / material / component within the time period mentioned above, BHEL may proceed to undertake the replacement of such defective equipment / material / component at the risk and cost of the supplier / contractor without prejudice to any other rights under the contract and recover the same from PBG / other dues of this Purchase Order / Contract or any other Purchase Order / Contract executed by the supplier / contractor.

Note :
i) In addition to the above guarantee period, Extended Guarantee / Warranty, if any, shall be as per NIT / Technical Specifications.

ii) In case offer of agent of Foreign OEM / Foreign Principal is considered, as per Clause No. 1.12 of General Terms & Conditions, Guarantee as mentioned above has to be provided by the Foreign OEM / Foreign Principal also.

14. Vendor to quote as per specified price format of NIT, otherwise their offer shall be liable to be rejected.

Following confirmation to be provided by vendor:

"We confirm that we have quoted as per specified price format provided along with this tender".

Name:

Signature:

Stamp:

ANNEXURE – B

PRICES:

The prices to be quoted are with PVC with following formula.

P_1 = P_0 x {0.85 + 0.15 (A_1/A_0)} - P_0 + (M_1 - M_0)

Where,

P_1 = Price adjustment amount per kilometer of cable (if it works out negative, that would mean the amount to be recovered by the owner from the contractor)

P_0 = Ex-works price per kilometer of cable.

A = PVC compound: Price of Grade CW-22, as published by IEEMA.

M_1-M_0 = Change in metal components of the ex-works price of particular type and size of cable.

M = Weight in MT of metal per km of cable X published price index of metal per MT as published by IEEMA.

Published price Index for metal:

i) For Aluminium: Price of LME Average Settlement Price including Premium for Ingot, as published by IEEMA.

ii) For Copper: Price of copper wire rods, as published by IEEMA.

Weight in MT of metal per km of cable and price index of metal per MT: As per IEEMA Circulars.

Subscript \`0\` refers to base indices as on 30 days prior to date of bid opening. The base indices in the formula shall be of first notification of IEEMA of the **DECEMBER 2017** month.

Subscript \`1\` refers to indices as applicable on 60 (sixty) days prior to the date of shipment.

The date of delivery shall be PO delivery date or date of actual despatch, whichever is earlier.

The total adjustment shall be subject to a ceiling of ± 20% (plus or minus twenty percent).

ANNEXURE- A

TECHNICAL REQUIREMENT OF PQR

Name of Project:- 765/400kV Ariyalur Substation

Name Of Item :- 1.1 kV Aux Power & Control Cables

<table>
<tr><th>Sr. No</th><th>Description</th><th>Supporting Document to be attached</th><th>Reference No. of supporting documents</th></tr>
<tr><td>A)</td><td>Cl. No. 1.6.1 of Section-1 of TS (Applicable for PVC Cable)</td><td></td><td></td></tr>
<tr><td>01</td><td>The manufacturers, whose PVC cables are offered, should have designed, manufactured, tested and supplied in a single contract at least 100 kM of 1.1 kV grade PVC insulated control cables as on the date of bid opening.</td><td>a) Bidder to provide confirmation of fulfilling Technical Requirements mentioned in Cl. No. 1.6.1 of Section-1 of TS.
b) Purchase Orders
The details are to be submitted in following format,
<table>
<tr><th>Sr. No</th><th>ITEMS SUPPLIED TO</th><th>ORDER REFERENCE No. & DATE</th><th>ITEMS</th><th>QUANTITY</th><th>ORDER FULLY EXECUTED. YES/NO</th><th>STATUS, IF ORDER UNDER EXECUTION</th><th>REMARK</th></tr>
</table>
c) Dispatch Instructions/ Material Receipt at site certificate/ Lorry Receipt details etc</td><td>a)
b)
c)</td></tr>
<tr><td colspan="4">AND</td></tr>
<tr><td>02</td><td>The manufacturer should also have designed, manufactured, tested and supplied at least 1 kM of 27C x 2.5 sq.mm or higher size as on the date of bid opening.</td><td>d) Purchase Orders
The details are to be submitted in following format,
<table>
<tr><th>Sr. No</th><th>ITEMS SUPPLIED TO</th><th>ORDER REFERENCE No. & DATE</th><th>ITEMS</th><th>QUANTITY</th><th>ORDER FULLY EXECUTED. YES/NO</th><th>STATUS, IF ORDER UNDER EXECUTION</th><th>REMARK</th></tr>
</table>
e) Dispatch Instructions/ Material Receipt at site certificate/ Lorry Receipt details etc</td><td>d)
e)</td></tr>
</table>

<table>
<tr><th>Sr. No</th><th>Description</th><th>Supporting Document to be attached</th><th>Reference No. of supporting documents</th></tr>
<tr><td>B)</td><td>Cl. No. 1.6.2 of Section-1 of TS (Applicable for XLPE Cable)</td><td></td><td></td></tr>
<tr><td>03</td><td>The Manufacturer, whose XLPE Power cables are offered, should have designed, manufactured, tested and supplied in a single contract at least 25 kM of 1.1 kV or higher grade XLPE insulated power cables as on the date of bid opening.</td><td>f) Bidder to provide confirmation of fulfilling Technical Requirements mentioned in Cl. No. 1.6.2 of Section-1 of TS.
g) Purchase Orders
The details are to be submitted in following format,
<table>
<tr><th>Sr. No</th><th>ITEMS SUPPLIED TO</th><th>ORDER REFERENCE No. & DATE</th><th>ITEMS</th><th>QUANTITY</th><th>ORDER FULLY EXECUTED. YES/NO</th><th>STATUS, IF ORDER UNDER EXECUTION</th><th>REMARK</th></tr>
<tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr>
</table>
h) Dispatch Instructions/ Material Receipt at site certificate/ Lorry Receipt details etc</td><td>f)
g)
h)</td></tr>
<tr><td colspan="4">AND</td></tr>
<tr><td>04</td><td>The manufacturer should also have designed, manufactured, tested and supplied at least 1 kM of 240 sq. mm or higher size as on the date of bid opening.</td><td>i) Purchase Orders
The details are to be submitted in following format,
<table>
<tr><th>Sr. No</th><th>ITEMS SUPPLIED TO</th><th>ORDER REFERENCE No. & DATE</th><th>ITEMS</th><th>QUANTITY</th><th>ORDER FULLY EXECUTED. YES/NO</th><th>STATUS, IF ORDER UNDER EXECUTION</th><th>REMARK</th></tr>
<tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr>
</table>
j) Dispatch Instructions/ Material Receipt at site certificate/ Lorry Receipt details etc</td><td>i)
j)</td></tr>
</table>

SCHEDULE OF PRICE (Part II) [For Indigenous Vendors]

(BIDDER TO STRICTLY ENSURE SUBMITTING THE PRICE BIDS IN THIS FORMAT)

VENDOR NAME / OFFER REF:

ENQUIRY No. 227E291 DATED 29/12/2017

	S.No.	Description of Item	HSN Code	Unit	Quantity	Unit Price Ex-works (Rs.)	Total Ex-Works (Rs.)	GST @__on Ex Works	Unit Freight & Insurance	Total Freight & Insurance	GST @__ on Freight & Insurance	TOTAL (FOR Destination) PRICE (Rs.)	M- FACTOR (For PVC calculation)
	1	28C x 2.5 sq mm HR PVC/Copper, Armoured Control cable		kM	67								
	2	20C x 2.5 sq mm HR PVC/Copper, Armoured Control cable		kM	57								
	3	14C x 2.5 sq mm HR PVC/Copper, Armoured Control cable		kM	52								
	4	4C x 2.5 sq mm HR PVC/Copper, Armoured Control cable		kM	52								
	5	2C x 2.5 sq mm HR PVC/Copper, Armoured Control cable		kM	12								
	6	14C x 4 sq mm HR PVC/Copper, Armoured Control cable		kM	62								
	7	8C x 4 sq mm HR PVC/Copper, Armoured Control cable		kM	52								
	8	8C x 2.5 sq mm HR PVC/Copper, Armoured Control cable		kM	27								
	9	4C x 4 sq mm HR PVC/Copper, Armoured Control cable		kM	42								
	10	2C x 35 sq mm HR PVC/Copper, Armoured Auxiliary Power cable		kM	11								
	11	4C x 25 sq mm HR PVC/Copper, Armoured Auxiliary Power cable		kM	15								
	12	4C x 50 sq mm HR PVC/Copper, Armoured Auxiliary Power cable		kM	10								
	13	4C x 240 sq mm XLPE/Aluminium, Armoured Auxiliary Power cable		kM	10								
		Total cost to BHEL (in figures)											
		Total cost to BHEL (in words)											

1. It is certified that M/s ______ have quoted as per the specified price format of the tender, otherwise offer shall be liable for rejection.
2. PLEASE NOTE THAT UNPRICED COPY OF PRICE BID (i.e. WITH ALL PRICE BLANKED) SHALL BE FURNISHED ALONGWITH TECHNO-COMMERCIAL BID.
3. Vendor to mention the word "QUOTED" against each item in UNPRICED SCHEDULE.

SEAL & SIGNATURE OF TENDERER

SCHEDULE OF PRICE (Part II) (for Foreign vendors only)

ENQUIRY NO. - 227E291 DATED 29/12/2017

Project: TANTRANSCO ARIYALUR

A	B	C	D	E		F	G	H	I	J	K	L	M	N	O	P
								Break up of CIF(Indian Sea port) rates						Breakup of Inland Transportation		
	Name of item	Tariff No.	Unit	Total Qty.	Currency	Unit-CIF {Indian Sea port}	Total -CIF {Indian Sea port}	Unit -FOB (Load port).	Total -FOB (Load port).	Unit-Sea Freight (upto indian Discharge port-preferably Mumbai)	Total-Sea Freight (upto indian Discharge port-preferably Mumbai)	Unit-Insurance(upto indian Discharge port-preferably Mumbai)	Total-Insurance(upto indian Discharge port-preferably Mumbai)	Unit-Freight & Insurance (from Indian Discharge port to site)	Total-Freight & Insurance (from Indian Discharge port to site)	GST @__ on Freight & Insurance
1	28C x 2.5 sq mm HR PVC/Copper, Armoured Control cable		kM	67												
2	20C x 2.5 sq mm HR PVC/Copper, Armoured Control cable		kM	57												
3	14C x 2.5 sq mm HR PVC/Copper, Armoured Control cable		kM	52												
4	4C x 2.5 sq mm HR PVC/Copper, Armoured Control cable		kM	52												
5	2C x 2.5 sq mm HR PVC/Copper, Armoured Control cable		kM	12												
6	14C x 4 sq mm HR PVC/Copper, Armoured Control cable		kM	62												
7	8C x 4 sq mm HR PVC/Copper, Armoured Control cable		kM	52												
8	8C x 2.5 sq mm HR PVC/Copper, Armoured Control cable		kM	27												
9	4C x 4 sq mm HR PVC/Copper, Armoured Control cable		kM	42												
10	2C x 35 sq mm HR PVC/Copper, Armoured Auxiliary Power cable		kM	11												
11	4C x 25 sq mm HR PVC/Copper, Armoured Auxiliary Power cable		kM	15												
12	4C x 50 sq mm HR PVC/Copper, Armoured Auxiliary Power cable		kM	10												
13	4C x 240 sq mm XLPE/Aluminium, Armoured Auxiliary Power cable		kM	10												
	Total															

NOTE-

Discharge Port:- Indian Sea Port - Any Indian Sea Port preferably Mumbai. Pl explicitly mention name of the port.

CIF (indian port) should be equal to "FOB (load port) + Sea Freight (upto indian Sea port-preferably Mumbai) +Insurance(upto Indian Sea port)"

Load port to be mentioned by bidder .

No of package with Dimensions and type of cargo(/Break Bulk/LCL/FCL) and no. of container (with type of container) required-Is also to be mentioned by bidder.

Vendor has to mention tarrif no. against each item for custom duty purpose.

Vendor to mention QUOTED against each item in UNPRICED SCHEDULE.

We confirm that we have quoted as per this price format.

SEAL & SINGNATURE OF TENDERER

SCHEDULE OF TECHNICAL DEVIATION

TENDER ENQUIRY NO. - 227E291 DATED 29/12/2017

The following are the devitions/ variations exception from the Technical Specifications:

SL.NO.	CLAUSE NO. OF GENERAL TERMS AND CONDITIONS	STATEMENT OF DEVIATION

In case, this schedule is not submitted, it will be presumed that the equipment /material to be supplied under this contract is deemed to be in compliance with the Technical Specifications,

If there is NIL deviation,even then the format to be filled as NIL DEVIATION.

Note : Continuation Sheets of like size and format may be used as per the Bidder's Requirement and shall be annexed to this schedule.

All deviations must be mentioned in this format only. Deviation(s) to terms mentioned else where will not be considered.

Signature of the authorised representative of

Place: é é é é é é é
Date : é é é é é é é .

Bidder's name :é é é é é é é é é é é é é é é
Designation:é é é é é é é é é é é é é é é é ..
Company Seal:é é é é é é é é é é é é é é é

SCHEDULE OF COMMERCIAL DEVIATION

TENDER ENQUIRY NO. - 227E291 DATED 29/12/2017

The following are the devitions/ variations exception from the General Terms and Conditions:

SL.NO.	CLAUSE NO. OF GENERAL TERMS AND CONDITIONS	STATEMENT OF DEVIATION

In case, this schedule is not submitted, it will be presumed that the equipment /material to be supplied under this contract is deemed to be in compliance with the Gerneal Terms and Conditions.

If there is NIL deviation,even then the format to be filled as NIL DEVIATION.

Note : Continuation Sheets of like size and format may be used as per the Bidder's Requirement and shall be annexed to this schedule.

All deviations must be mentioned in this format only. Deviation(s) to terms mentioned else where will not be considered.

Signature of the authorised representative of

Place: é é é é é é é
Date : é é é é é é é .

Bidder's name :é é é é é é é é é é é é é é é
Designation:é é é é é é é é é é é é é é é é ..
Company Seal:é é é é é é é é é é é é é é é

TENDER ENQUIRY NO. 227E291 DATED 29/12/2017

CHECKLIST

SCHEDULE OF INFORMATION TO BE FURNISHED WITH THE OFFER

NOTE: This format is to be submitted in original only, duly filled in. Reproduction of this format on bidder's letter head or on other paper is not acceptable.

Put a tick mark on "YES" if the information is enclosed with the offer or put a tick mark on "NO" if the information is not enclosed or write "NOT APPLICABLE" if the information is not applicable.

1.	Technical offer with detailed schedule of equipment / material and spares enclosed.	YES / NO
2.	Guaranteed Technical Particulars as per Section – 4 enclosed.	YES / NO
3.	Schedule of deviation, if any, clause wise with respect to Technical Specification enclosed.	YES / NO
4.	Standard Manufacturing Quality Plan enclosed.	YES / NO
5.	GA Drawings with dimensions and weights & foundation / fixing details enclosed.	YES / NO
6.	Drawing and Data submission schedule enclosed.	YES / NO
7.	Type Test Reports enclosed.	YES / NO
8.	Bar Chart showing the schedule indicating time required for design, manufacture, test and inspection, transport, erection, site testing and commissioning enclosed.	YES / NO
9.	Makes of all components as per technical Specification enclosed.	YES / NO

The above checklist is verified for:-

Offer Ref. :

Equipment :

Submitted by : M/s

Project Reference. :

Signed with Seal …………..

Date ………………..