



## PVC ANNEXURE

**Price Variation Formulae**  
**1 x 800 MW WANAKBORI TPS**  
**EPR INSULATED FIRE SURVIVAL CABLE**

1. Prices shall be variable as per following PVC formulae as per IEEMA. The price variation shall be limited to  $\pm 20\%$  of total ex-works actually supplied (cable size wise). PVC shall be limited for the metals for which rates published by IEEMA.

CABLE TYPE	CONDUCTOR	FORMULA	TABLE REF
EPR INSULATED SIRE SURVIVAL Cables	Cu	$P = P_0 + CuF (Cu - Cu_0)$	as applicable as per IEEMA

**Note:**

1. **Quantity Variation:** The variation in quantities of all sizes for Main item (A) put together shall be limited to (-) 30% to (+) 30% of the total contract value derived on the basis of the Ordered quantities of main item (A).
2. PVC shall be applicable for Order Qty. and subsequent lots.
3. Base date for prices (as per IEEMA):

**Initial Price:**

Base date shall be **DEC 2015**.

**Final Price:**

The first working day of month, one month prior to the **date of delivery**.

**Note: The date of delivery is the date on which the cable is notified as being ready for inspection/dispatch (in the absence of such notification, the date of manufacturer's dispatch note is to be considered as the date of delivery) or the contracted delivery date (including any agreed extension thereto), whichever is earlier.**

4. 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.

**1x 800 MW WANAKBORI TPS**  
**Price Variation Calculation Format - EPR BASED FIRE SURVIVAL CABLES**  
**ENQUIRY NO.- PW/PE/PG/E-5136/2015 Dtd. 18/12/2015**

**1.1 KV COPPER CONDUCTOR ARMoured CABLES**

CABLE	3C - 2.5	5C - 2.5	2C - 95	1C - 400	1C - 630
A / UA					
Metal					
P <sub>0</sub>					
CuF	0.069	0.117	1.802	3.703	6.012
Cu					
Cu0					
CuF(Cu- Cu0)	-	-	-	-	-
Final Unit Ex-works price / Km (P)					



**PROJECT:- 1 x 800 MW WANAKBORI TPP**  
**BOQ CUM PRICE SCHEDULE FOR EPR INSULATED FIRE SURVIVAL CABLE**  
**ENQUIRY No.-PE/PGWAN/E-5136/2015 Dtd. 18.12.2015**

COPPER CONDUCTOR, EPR INSULATED, HOPR SHEATH ARMoured FIRE SURVIVAL CABLE APPLICABLE TO TECHNICAL SPECIFICATION No. PE-TS-408-507-E005.										
S. NO.	Cable Size (No. of cores x Cross section Area (sq.mm))	Order Quantity (meters)	LOT-1 QUANTITY (meters)	Drum length (meters)	Unit price (Ex-works) Rs.	Total price (Ex-works) Rs.	ED@.....%(Rs.)	CST@.....% against form C/IE1 or VAT@.....%(Rs.)	Freight Incl. service tax@.....% of Ex-works (Rs.)	Total FOR Site Price. (Rs.)
1	2	3	4	5	6	7=4*6	8	9	10	11=7+8+9+10
A	3C-2.5	1000	1000	500						
B	5C-2.5	3000	2000	500						
C	2C-95	5000	3500	500						
D	1C-400	4000	2500	500						
E	1C-630	5000	3500	500						
<b>TOTAL PRICE (RS.)</b>										

**Notes :**

- The variation in quantities of all sizes for Main items put together shall be limited to (-)30% to (+) 30% of the total contract value derived on the basis of the Ordered quantities for this very project.
- 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.
- Lot-1 Quantity indicated above shall be cleared for manufacturing along with LOI/PO. 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.
- Delivery schedule of LOT-1 and subsequent lots shall be as per NIT.
- Standard drum length shall be 500 metres. Tolerance on individual drum length shall be  $\pm 5\%$ .
- 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.
- 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).
- Bidder shall indicate unit price of cables inclusive of type test charges. No separate Type Test charges are to be quoted by bidder.
- The charges of Hydrolytic Stability test, if asked to perform shall be reimbursed extra at actual against original money receipt of Govt. lab (CPR/ERDA).
- 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.

*(Signature)*  
 (18/12/15)