

PROCUREMENT PROCEDURE OF CPRI (NON WORKS)

Revision No. : 03
Dt of Revision : 25.07.2017

Issue No : 2
Issue Dt. : 30.06.2003

Section : Formats
Topic : e-Tender Technical Specification Document

Issued by : P A
Documents : PPM
FORMAT NO.:CPRI/PUR/eTBID/GTP

Section II -Technical Specification

CENTRAL POWER RESEARCH INSTITUTE, BANGALORE Web: www.cpri.in, www.tenderwizard.com/CPRI, Telefax: 080-2207 2010

Tender Enquiry No.: CPRIBLR19MED21M567

Description of the Equipment/Goods/Services: Supply of Instrumentation Cable 7/0.2mm ATC x 6C O/A Braided as per IS 5608 (Part 1): 1991, RA 2017

Note : 1) The Offers should be submitted only in this format otherwise the offer will be liable to be rejected.

2) All blue fields are mandatorily to be filled in.

3) Pre-despatch Inspection & Training expenses shall be borne by CPRI. Information regarding the readiness of the equipment/machinery for the Pre-despatch Inspection should be communicated in writing by the supplier at least 70 (Seventy) days in advance, to obtain clearance from the Ministry, Government of India for deputation of nominated CPRI officers.

Name of the Vendor

Quotation Number and Date

Sl.No.	Parameters	CPRI Specification / Requirements	Qty	To be completed by the Bidder	
				Guaranteed Technical Particulars (GTP)	Specify deviations/Remarks if any
I	Supply of Instrumentation Cable 7/0.2mm ATC x 6C O/A Braided as per IS 5608 (Part 1): 1991, RA 2017		10000 M		
II	TECHNICAL SPECIFICATIONS / REQUIREMENTS				
1	Type of Cable	Screened			
2	Number of cores	6 core			
3	Nominal Cross Section Area	0.22 sq.mm			
4	Conductor material	Annealed Tinned Copper			
5	No. of wires and conductor diameter before stranding	7/0.2 nos./mm			
6	Shape of the conductor	Circular			
7	Type of Insulation	Extruded PVC Type A as per IS 5831			
8	Thickness of insulation (nom.)	0.3 mm			
9	Core Identification	All cores shall be numbered or separate color			
10	Braiding material	Annealed Tinned Copper			
11	Thickness of Overall Screening	0.12 mm			
12	Coverage	Minimum 80 %			

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13	Outer Sheath material	PVC "Type ST-1" as per IS 5831			
14	Type of Outer Sheath	Extruded			
15	Thickness of outer sheath (nom.)	0.9 mm			
16	Max. Conductor D.C Resistance at 20 Deg C	89.0 Ohm /km			
17	Overall cable diameter	7.0 mm			
18	Colour	Grey or Black			
19	Minimum Wire Elongation	9%			
20	Minimum Elongation of Insulation	150%			
21	Minimum Elongation of Sheath	150%			
22	Minimum Tensile strength of Insulation & Sheath	12.5 N/mm-2			
23	Minimum Volume resistivity at 27 Deg C	1x10 ¹³ Ohm -Cm			
24	Notes:				

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1	The successful bidder has to make sample supply of 200m (in one length) to be subjected for satisfactory performance test (Uniform electrical resistance on all the Cores) before making bulk supply.				
2	The successful bidder has to provide manufacturers test certificate or test certificate from CPRI before the bulk quantity.				
3	The specified quantity has to be supplied in 1000m lengths of 10 Nos				

PN: 1) Bidder shall indicate complete details/information how the CPRI GTP are complied with against each and every specification parameters & mere statement of 'complied' do not suffice the requirement.

2) A detailed technical/catalogue/literature/phamplet and any other details shall be submitted in hard copy in a sealed cover superscribing enquiry number and due date so as to reach the following address within the due date and time.

3) The Indian representative of the foreign/overseas firms shall submit the Letter of Authorization issued by their principals.

4) The bidder shall submit the quotation / offer in the above prescribed format of Section IA, IB and II only. Informations any other forms shall be rejected.

Address : Joint Director (Purchase), Purchase Authority, Central Power Research Institute, Sadashiva Nagar P.O., P.Box.No.8066, Bengaluru-560 80.

Telefax: 080-2207 2010., email: purchase@cpri.in , web: www.cpri.in