

**PROCUREMENT PROCEDURE OF CPRI (NON WORKS)**

Revision No. : 05

Issue No. : 02

Dt of Revision : 27.08.2020

Issue Dt. : 30.06.2003

Page No. : 1 of 2

Issued by : P A

Section : Formats

Document : PPM

Topic : Price Bid format for local supplies (Indigenous offer)

FORMAT NO.:CPRI/PUR/ePBID/IND

**Section IV L - Price Bid for local supplies**

**CENTRAL POWER RESEARCH INSTITUTE, BHOPAL Web: [www.cpri.in](http://www.cpri.in), [www.tenderwizard.com/CPRI](http://www.tenderwizard.com/CPRI)**

**Tender Enquiry No : STDS/12-01/2022-23/PUR/RTL-NK-35/**

**Description of the Equipment/Goods/Services : Supply Installation, Commissioning and Testing of Isolation Amplifier (16 Channel)**

**Name and address of the Bidder \***

**Quotation Number and Date\***

**HSN code (Harmonized system nomenclature)\***

**GSTIN No\***

**SAC code (Services Accounting Code)\***

**Income Tax permanent account number(PAN)\***

**Details of EMD submitted\***

| Sl.No | Particulars | Qty | Unit Rate in Rupees | Total Amount in Rupees |
|-------|-------------|-----|---------------------|------------------------|
|-------|-------------|-----|---------------------|------------------------|

|             |  |          |  |             |
|-------------|--|----------|--|-------------|
| <b>1</b>    | <b>Basic Price (Including mandatory spares, packing and forwarding charges)</b><br><br><b>(The list of mandatory spares shall be provided in the technical bid without mentioning the price)</b><br><b>Insurance is under Supplier's Scope</b> | <b>1</b> |  | <b>0.00</b> |
| <i>1(a)</i> | <i>GST rate as applicable in percentage only</i>   |          |  |             |
|             | <i>IGST</i>  |          |  | <b>0.00</b> |
|             | <i>CGST</i>  |          |  | <b>0.00</b> |
|             | <i>SGST</i>  |          |  | <b>0.00</b> |
|             | <i>UTGST</i>   |          |  | <b>0.00</b> |
|             | <i>CESS if any</i>   |          |  | <b>0.00</b> |
| <b>2</b>    | <b>Transportation Charges (To be Quoted in Lumpsum ,if applicable)</b>   |          |  | <b>0.00</b> |
| <i>2(a)</i> | <i>GST rate as applicable in percentage only</i>   |          |  |             |
|             | <i>CGST</i>  |          |  | <b>0.00</b> |
|             | <i>IGST</i>  |          |  | <b>0.00</b> |
|             | <i>SGST</i>  |          |  | <b>0.00</b> |
|             | <i>UTGST</i>   |          |  | <b>0.00</b> |
|             | <i>CESS if any</i>   |          |  | <b>0.00</b> |
| <b>3</b>    | <b>Installation and Commissioning Charges (To be Quoted in Lumpsum ,if applicable)</b>   |          |  | <b>0.00</b> |
| <i>3(a)</i> | <i>GST rate as applicable in percentage only</i>   |          |  |             |
|             | <i>CGST</i>  |          |  | <b>0.00</b> |
|             | <i>IGST</i>  |          |  | <b>0.00</b> |
|             | <i>SGST</i>  |          |  | <b>0.00</b> |
|             | <i>UTGST</i>   |          |  | <b>0.00</b> |
|             | <i>CESS if any</i>   |          |  | <b>0.00</b> |
|             | <b>TOTAL LANDED COST</b>   |          |  | <b>0.00</b> |
|             | <b>Total Landed Cost in Words</b>  |          |  |             |

**PROCUREMENT PROCEDURE OF CPRI (NON WORKS)**

Revision No. : 05  
Dt of Revision : 27.08.2020  
Page No. : 2 of 2  
Section : Formats  
Topic : Price Bid format for local supplies (Indigenous offer)

Issue No. : 02  
Issue Dt. : 30.06.2003  
Issued by : P A  
Document : PPM  
FORMAT NO.:CPRI/PUR/EPBID/IND

**Section IV L - Price Bid for local supplies**

**CENTRAL POWER RESEARCH INSTITUTE, BENGALURU/BHOPAL Web: [www.cpri.in](http://www.cpri.in), [www.tenderwizard.com/CPRI](http://www.tenderwizard.com/CPRI)**

|    |  |  |  |  |
|----|--|--|--|--|
| 4  | <b>OPTION-1 :</b><br><b>Post warrenty comprehensive AMC including, Labour, Travel, Spare Parts etc. in INR (lumpsum)</b><br>(This cost is optional hence will not to be considered for cost comparission evaluations.) |  |  |  |
| 5  | <b>OPTION-2 :</b><br><b>Optional accessories in INR (lumpsum)</b><br><b>List of items with breakup price to be furnished in case CPRI demands for the same.</b>  |  |  |  |
| 6  | <b>Guarantee/Warrantee period</b>  |  |  |  |
| 7  | <b>After sales and service facility (location of the facility and address to be furnished)</b>   |  |  |  |
| 8  | <b>Delivery period</b>   |  |  |  |
| 9  | <b>Validity of the offer</b>   |  |  |  |
| 10 | <b>Payment terms</b><br><b>(as per CPRI payment terms)</b>   |  |  |  |

|           |   |  |  |
|-----------|---|--|--|
| <b>11</b> | <b>Details of enlistment if any under Department of expenditure , Minsitry Of Finance , GOI.</b>  |  |  |
| <b>12</b> | <b>Name and address of the customer, if any to whome a similar equipment/items has been supplied with their purchase order number and date (as per the APPENDIX I).</b> |  |  |
| <b>13</b> | <b>Whether a similar equipment could be demonstrated to our representative in case required.</b>  |  |  |
| <b>15</b> | <b>Acceptance for submission of security deposit in the event of placement of order.</b>  |  |  |

PN:

- 1) The price bid shall be submitted in this format only.
- 2) All blue fields are madatorily to be filled in.
- 3) As a policy of CPRI High Sea Sales bids are not acceptable and shall be rejeced.
- 4) CPRI reserves the right to conduct "predispatch inspection" prior to dispatch at the works of the supplier and the expenditure towards PDI shall be borne by CPRI. However information regarding the rediness of the equipment/machinary for the PDI shall be communicated in writing at lease 70 days in advance.
- 5) UNDER TAKING: THE OFFER MADE IS IN STRICT COMPLAINCE WITH THE QUALITY AND OTHER TECHNICAL REQUIREMENT MENTIONED IN SECTION - IV T.

**PROCUREMENT PROCEDURE OF CPRI (NON WORKS)**

Revision No. : 05  
Dt of Revision : 27.08.2020  
Page No. : 1 of 2  
Section : Formats  
Topic : Price bid format for Non - Local supplies  
(Import) offers

Issue No : 2  
Issue Dt. : 30.06.2003  
Issued by : Q A  
Documents : PPM  
FORMAT NO.:CPRI/PUR/ePBID/IMP

**Section IV NL - Price Bid format for Non - Local supplies (Import) Offer**

**CENTRAL POWER RESEARCH INSTITUTE, BHOPAL Web: [www.cpri.in](http://www.cpri.in), [www.tenderwizard.com/CPRI](http://www.tenderwizard.com/CPRI)**

Tender Enquiry No : STDS/12-01/2022-23/PUR/RTL-NK-35/

Description of the Equipment/Goods/Services : Supply Installation, Commissioning and Testing of Isolation Amplifier (16 Channel)

Name and address of the Bidder

Quotation Number and Date

*HSN code (Harmonized system nomenclature)*

*GSTIN No (if applicable)*

*SAC code (Services Accounting Code)*

*Income Tax permanent account number(PAN)*

*Details of EMD submitted*

| Sl.no | Partuculars   | Qty | Unit Rate in Figures | Currency Type | Amount |
|-------|---|-----|----------------------|---------------|--------|
| 1     | FOB value of the complete system (Including mandatory spares, packing and forwarding charges)<br>(The list of mandatory spares shall be provided in the technical bid without mentioning the price) | 1   |                      |               | 0.00   |

|      |  |  |  |  |             |
|------|--|--|--|--|-------------|
| 2    | Insurance charges upto CPRI(ware house to ware house basis in Lumpsum) |  |  |  | 0.00        |
| 3    | Freight Charges,As applicable(Lumpsum)                                 |  |  |  |             |
|      | 3a) Air Freight Charges.(Lumpsum)                                      |  |  |  | 0.00        |
|      | 3b) Sea Freight Charges.(Lumpsum)                                      |  |  |  | 0.00        |
| 4    | Total CIP/CIF cost   |  |  |  | 0.00        |
|      | Total CIP/CIF cost in words  |  |  |  |             |
| 5    | Installation and commission charges in INR (Lumpsum)                   |  |  |  | 0.00        |
| 5(a) | <i>GST as applicable (GST rate in percentage only)</i>                 |  |  |  |             |
|      | <i>IGST</i>  |  |  |  | 0.00        |
|      | <i>CGST</i>  |  |  |  | 0.00        |
|      | <i>SGST</i>  |  |  |  | 0.00        |
|      | <i>UTGST</i>   |  |  |  | 0.00        |
|      | <i>CESS if any</i>   |  |  |  | 0.00        |
|      | <b>TOTAL COST</b>  |  |  |  | <b>0.00</b> |
|      | <b>Total Cost in Words</b>   |  |  |  |             |

**PROCUREMENT PROCEDURE OF CPRI (NON WORKS)**

Revision No. : 05  
 Dt of Revision : 27.08.2020  
 Page No. : 2 of 2  
 Section : Formats  
 Topic : Price bid format for Non - Local supplies  
 (Import) offers

Issue No : 2  
 Issue Dt. : 30.06.2003  
 Issued by : Q A  
 Documents : PPM  
 FORMAT NO.:CPRI/PUR/EPBID/IMP

**Section IV NL - Price Bid format for Non - Local supplies (Import) Offer**

**CENTRAL POWER RESEARCH INSTITUTE, BENGALURU/BHOPAL Web: www.cpri.in, www.tenderwizard.com/CPRI**

| Sl.no | Partuculars   | Qty | Unit Rate in Figures | Currency Type | Amount |
|-------|---|-----|----------------------|---------------|--------|
| 6     | <b>OPTION-1 :</b><br><b>Post warrenty comprehensive AMC including, Labour, Travel, Spare Parts etc. in INR (lumpsum)</b><br>(This cost is optional hence will not to be considered for cost comparission evaluations.)  |     |                      |               |        |
| 7     | <b>OPTION-2 :</b><br><b>Optional accessories in INR (lumpsum)</b><br><b>List of items with breakup price to be furnished in case CPRI demands for the same.</b><br>(This cost is optional hence will not to be considered for cost comparission evaluations.) |     |                      |               |        |
| 2     | <b>Guarantee/Warrantee period</b>   |     |                      |               |        |
| 3     | <b>After sales and service facility (location of the facility and address to be furnished)</b>  |     |                      |               |        |

|    |  |  |  |
|----|--|--|--|
| 4  | <b>Delivery period</b>   |  |  |
| 5  | <b>Validity of the offer</b>   |  |  |
| 6  | <b>Payment terms<br/>(as per CPRI payment terms)</b>   |  |  |
| 9  | <b>Name and address of the customer, if any to whom a similar equipment/items has been supplied with their purchase order number and date (as per the APPENDIX I).</b> |  |  |
| 10 | <b>Whether a similar equipment be demonstrated to our representative in case required.</b>   |  |  |
| 12 | <b>Acceptance for submission of security deposit in the event of placement of order.</b>   |  |  |

**NOTE : CPRI IS EXEMPTED FROM PAYMENT OF CUSTOMS DUTY UNDER NOTIFICATION NO.51/96 DATED 23-071996 AND AMENDED NOTIFICATION NO.24/2007-CUSTOMS DATED 1-3-2007(HOWEVER CONCESSIONAL CUSTOMS DUTY AND ADDITIONAL CUSTOMS DUTY AS UNDER TAKING: THE OFFER MADE IS IN STRICT COMPLAINE WITH THE QUALITY AND OTHER TECHNICAL REQUIREMENT MENTIONED IN SECTION IV T**



**PROCUREMENT PROCEDURE OF CPRI (NON WORKS)**

Revision: 04  
 Dt of Re : 27.08.2020  
 Page No : 1 of -----  
 Section : Formats  
 Topic : Technical Specifications format

Issue No : 2  
 Issue Dt. : 30.06.2003  
 Issued by : PA  
 Documents : PPM  
 FORMAT NO.:CPRI/PUR/eTBID/GTP

**Section IV T -Technical Specification**

**CENTRAL POWER RESEARCH INSTITUTE, BHOPAL Web: www.cpri.in, www.tenderwizard.com/CPRI**

**Tender Enquiry No : STDS/12-01/2022-23/PUR/RTL-NK-35/**

**Description of the Equipment/Goods/Services : Supply Installation, Commissioning and Testing of Isolation Amplifier (16 Channel)**

**Note : 1) The technical bid submitted in other than this format is liable to be rejected.**

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

| Name of the Vendor        |  |  |                |  |  |                                    |
|---------------------------|--|--|----------------|--|--|------------------------------------|
| Quotation Number and Date |  |  |                |  |  |                                    |
| Sl.No.                    | Parameters   | CPRI Specification / Requirements  | Qty            | To be completed by the Bidder                                    |  |                                    |
|                           |  |  |                | Details of guaranteed technical parameters offered by the bidder | Guaranteed Technical Particulars (GTP) | Specify deviations/ Remarks if any |
| 1                         | Place where equipment/service to be supplied/ provided | Regional Test Laboratory (RTL), CPRI, Nasik  |                |  |  |                                    |
| 2                         | Scope  | The scope covers supply, Installation, commissioning and Testing of Isolation Amplifier alongwith cables and accessories having 16 channel Analog Input at CPRI, Nasik   | <b>One Set</b> |  |  |                                    |
| 3                         | Application  | Isolation Amplifier will be used between transducers (Shunt, Capacitive voltage divider) and DAS to isolate & amplify the output signal of transducers during short circuit testing of Distribution and Power transformers, Instrument Transformers, Switchgears and other equipments as per relevant standards.   |                |  |  |                                    |
| 4                         | Reference Standards                                    | All laws, technical standards, regulations and decrees issued by entities in force in India at the date of order are considered binding. Where applicable, it will be referred to IEC publications.<br>Electrical Safety<br>• IEC 61010-1 Safety requirements for electrical equipment for measurement, control, and laboratory use - General requirements<br>Electromagnetic Compatibility<br>• IEC 61000-3-2 Limits for harmonic current emissions<br>• IEC 61000-3-3 Limitation of voltage changes, voltage fluctuations and flicker in public low voltage supply systems<br>Immunity<br>• IEC 61000-4-2 Electrostatic discharge immunity test (ESD);<br>• IEC 61000-4-3 Radiated, radio-frequency, electromagnetic field immunity test;<br>• IEC 61000-4-4 Electrical fast transient/burst immunity test<br>• IEC 61000-4-5 Surge immunity test<br>• IEC 61000-4-6 Immunity to conducted disturbances, induced by radio-frequency fields<br>• IEC 61000-4-11 Voltage dips, short interruptions and voltage variations immunity tests |                |  |  |                                    |

|    |                                   |  |  |  |  |  |
|----|-----------------------------------|--|--|--|--|--|
| 5  | Prequalification requirement      | Similar type of Isolation Amplifier of the same OEM offered in this bid shall have been supplied and shall be in successful operation at minimum two short-circuit test laboratories. Performance certificate of the same shall be submitted with the bid. Performance certificate of quoted model not older than 5 years of the user to be submitted. |  |  |  |  |
| 6  | Prebid meeting requirement        | The bidder may write to Purchase Section, CPRI, Bhopal for clarification if required.  |  |  |  |  |
| 7  | Installation                      | Indoor   |  |  |  |  |
| 8  | Ambient temperature               | 5 °C up to 40 °C   |  |  |  |  |
| 9  | Altitude                          | 986 m above MSL  |  |  |  |  |
| 10 | Relative humidity                 | 10 to 95 % (non-condensing)  |  |  |  |  |
| 11 | Seismic zone                      | suitable for Zone 3  |  |  |  |  |
| 12 | Input power supply                | 230Vac (±10%)  |  |  |  |  |
| 13 | Mainframe :Number of slots        | To be defined by the Supplier based on selected number of cards/channel  |  |  |  |  |
| 14 | Total number of input channels    | 16   |  |  |  |  |
| 15 | Number of input channels per card | To be defined by the Supplier  |  |  |  |  |
| 16 | Channel input type                | Differential, isolated   |  |  |  |  |
| 17 | Input                             | Banana socket CAT III 600V,  |  |  |  |  |

|    |                           |  |  |  |  |  |
|----|---------------------------|--|--|--|--|--|
| 18 | Input Voltage             | Maximum 2.5kV Pk or 2kV DC continuous.             |  |  |  |  |
| 19 | Input Ranges (AC/DC)      | 2500V,1600V, 800V, 400V, 200V, 100V, 20V, 10V, 2V  |  |  |  |  |
| 20 | Output Voltage            | 10V  |  |  |  |  |
| 21 | Protection                | Against incorrect gain setting up to maximum Input |  |  |  |  |
| 22 | Input Impedance           | >2.5M $\Omega$                                     |  |  |  |  |
| 23 | CMRR                      | > 120 dB* (DC to 60 Hz)                            |  |  |  |  |
| 24 | Bandwidth                 | DC - 50 kHz (-3 dB)                                |  |  |  |  |
| 25 | Gain Accuracy             | $\pm$ 0.25 % FS                                    |  |  |  |  |
| 26 | Linearity                 | $\pm$ 0.02 % FS                                    |  |  |  |  |
| 27 | Offset voltage            | < 200 $\mu$ V                                      |  |  |  |  |
| 28 | Offset Drift              | < 10 $\mu$ V / $^{\circ}$ C                        |  |  |  |  |
| 29 | Gain Drift                | < 0.01 % / $^{\circ}$ C                            |  |  |  |  |
| 30 | Stability                 | < 0.1 % change over 12 months                      |  |  |  |  |
| 30 | Output                    | 1 BNC per channel                                  |  |  |  |  |
| 31 | Isolation Voltage Outputs | 1500 V DC or peak                                  |  |  |  |  |
| 32 | Signal Filter             | 3 pole Butterworth (60 dB/decade)                  |  |  |  |  |
| 33 | Noise                     | < 2 mV RMS DC - 50 kHz                             |  |  |  |  |
| 34 | Offset Temp Coefficient   | < 1 mV/ $^{\circ}$ C                               |  |  |  |  |

|    |                                |  |  |  |  |  |
|----|--------------------------------|--|--|--|--|--|
| 35 | Cables                         | 16 Nos. Shielded cable of 2mts one side banana connectors and othe side BNC (Input side) and 16 Nos. Shielded cable of 2mts both sides BNCs.(Output side) or compitable connectors for input and output side of Isolation Amplifier.   |  |  |  |  |
| 36 | Testing                        | Supplier shall submit the factory Tests reports of Isolation Amplifier.  |  |  |  |  |
| 37 | Demonstration                  | Supplier shall give complete demonstration of the Isolation Amplifier at the time of installation about the complete functionalities & usages.   |  |  |  |  |
| 38 | Installation and Commissioning | The installation/Commissioning of Isolation Amplifier shall be carried out by bidder at CPRI, Nasik Premises. After successful commissioning at CPRI laboratory, training on operation and maintenance of the test system shall be given to CPRI officials by experienced professionals.<br>During commissioning, performance shall be demonstrated by conducting short circuit test on 10MVA test transformer or any other rating as offered by CPRI. |  |  |  |  |
| 39 | Calibration                    | Isolation Amplifier shall be calibrated with respect to its performance, documentation and accuracy. Calibration shall cover all ranges covered as per specification. All calibration shall be done in a laboratory, which is accredited in accordance with ISO/IEC17025(latest) and with reference standards traceable to National/International standard. Calibration certificate shall be submitted along with the equipment.                       |  |  |  |  |
| 40 | Documents and Drawings         | Two sets of Operating Instruction manual shall be supplied along with the instrument. These manuals shall include specific instruction relevant to the handling, installation, troubles shooting and servicing. Supplier shall also submit Two sets of test Reports.. All the documents shall be communicated in ENGLISH only. Documents are to be issued both on paper and soft copy.   |  |  |  |  |
| 41 | Warranty                       | One Year form the date of Installation and Commissioning.<br>The supplier has to give undertaking regarding post warranty technical support, service and supply of spare parts for successful operation of the equipment's for ten year.   |  |  |  |  |