

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, www.tenderwizard.com/CPRI

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

Description of the Equipment/Goods/Services : Supply,Installation,Commissioning and training of Electric fast transient Burst (EFT) Generator with three phase CDN as per IEC61000-4-4.

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

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

Issue No. : 02
 Issue Dt. : 30.06.2003
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 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, www.tenderwizard.com/CPRI

| | | | | |
|----|---|--|--|--|
| 4 | OPTION-1 : Post warrenty comprehensive AMC including, Labour, Travel, Spare Parts etc. in INR (lumpsum) (This cost is optional hence will not to be considered for cost comparission evaluations.) | | | |
| 5 | OPTION-2 : Optional accessories in INR (lumpsum) List of items with breakup price to be furnished in case CPRI demands for the same. (This cost is optional hence will not to be considered for cost comparission evaluations.) | | | |
| 6 | Guarantee/Warrantee period | | | |
| 7 | After sales and service facility (location of the facility and address to be furnished) | | | |
| 8 | Delivery period | | | |
| 9 | Validity of the offer | | | |
| 10 | Payment terms (as per CPRI payment terms) | | | |
| 11 | Details of enlistment if any under Department of expenditutre , Minsitry Of Finance , GOI. | | | |
| 12 | 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). | | | |
| 13 | Whether a similar equipment could be demonstrated to our representative in case required. | | | |
| 15 | Acceptance for submission of security deposit in the event of placement of order. | | | |

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/machinery 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)

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| Section : Formats | Documents : PPM |
| Topic : : Price bid format for Non - Local supplies (Import) offers | 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, www.tenderwizard.com/CPRI

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

Description of the Equipment/Goods/Services : Supply,Installation,Commissioning and training of Electric fast transient Burst (EFT) Generator with three phase CDN as per IEC61000-4-4.

| | |
|--|--|
| 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 | Particulars | Qty | Unit Rate in Figures | Currency Type | Amount |
|-------|---|-----|----------------------|---------------|-------------|
| 1 | FOB value of the complete system (Including mandatory spares, packing and forwarding charges) (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) | GST as applicable (GST rate in percentage only) | | | | |
| | IGST | | | | 0.00 |
| | CGST | | | | 0.00 |
| | SGST | | | | 0.00 |
| | UTGST | | | | 0.00 |
| | CESS if any | | | | 0.00 |
| | TOTAL COST | | | | 0.00 |
| | Total Cost in Words | | | | |

PROCUREMENT PROCEDURE OF CPRI (NON WORKS)

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| Section : Formats | Documents : PPM |
| Topic : : Price bid format for Non - Local supplies (Import) offers | FORMAT NO.: CPRI/PUR/CPBID/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 | Particulars | Qty | Unit Rate in Figures | Currency Type | Amount |
|-------|---|-----|----------------------|---------------|--------|
| 6 | OPTION-1 : Post warrenty comprehensive AMC including, Labour, Travel, Spare Parts etc. in INR (lumpsum) (This cost is optional hence will not to be considered for cost comparission evaluations.) | | | | |
| 7 | OPTION-2 : Optional accessories in INR (lumpsum) List of items with breakup price to be furnished in case CPRI demands for the same. (This cost is optional hence will not to be considered for cost comparission evaluations.) | | | | |
| 2 | Guarantee/Warrantee period | | | | |
| 3 | After sales and service facility (location of the facility and address to be furnished) | | | | |
| 4 | Delivery period | | | | |
| 5 | Validity of the offer | | | | |
| 6 | Payment terms (as per CPRI payment terms) | | | | |
| 9 | 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). | | | | |
| 10 | Whether a similar equipment be demonstrated to our representative in case required. | | | | |
| 12 | Acceptance for submission of security deposit in the event of placement of order. | | | | |

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 APPLICABLE WILL BE CONSIDERED.

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

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Section : Formats

Documents : PPM

Topic : Technical Specifications format

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-23

Description of the Equipment/Goods/Services : Supply,Installation,Commissioning and training of Electric fast transient Burst (EFT) Generator with three phase CDN as per IEC61000-4-4.

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 | Scope | Supply,Installation,Commissioning and training of Electric fast transient Burst (EFT) Generator with three phase CDN as per IEC61000-4-4 | 1 No. | | | |
| 2 | Place of delivery | RTL,CPRI,Nashik | | | | |

| | | | | | | |
|----|------------------------------|---|--|--|--|--|
| 3 | Operating Temperature | Operating temperature: (+)10°C to (+) 35°C and Relative Humidity : 30 % RH to 60% RH | | | | |
| 4 | Warrantee | One year from date of successful installation and commissioning at CPRI. | | | | |
| 5 | Training | One day training (excluding period of installation and commissioning) on operation and maintenance to CPRI engineers at CPRI,Nashik shall be given. | | | | |
| 6 | Compliance of EFT generator | EFT generator and three phase CDN shall be as per IS 14700-4-4 ,2018/ IEC 61000-4-4, 2012 and latest amendments | | | | |
| 7 | Suitability | The generator and CDN shall be suitable to test Enrgy Meters of single phase (two lines +PE) and three phase (four lines +PE) | | | | |
| 8 | Burst generator Output | Burst generator Output : $\pm 200V$ to ± 4.0 kV , tolerance $\pm 10\%$ (Generator output shall be minimum 4 kV) | | | | |
| 9 | Characteristics of Generator | Shall be as per IS 14700-4-4 ,2018/ IEC 61000-4-4, 2012 | | | | |
| 10 | Burst duration | Shall be as per IS 14700-4-4 ,2018/ IEC 61000-4-4, 2012 | | | | |
| 11 | Burst period | Shall be as per IS 14700-4-4 ,2018/ IEC 61000-4-4, 2012 | | | | |
| 12 | Rise time | 5 ns $\pm 30\%$ - Shall be as per IS 14700-4-4 ,2018/ IEC 61000-4-4, 2012 | | | | |
| 13 | Pulse duration | 50 Ohms - Shall be as per IS 14700-4-4 ,2018/ IEC 61000-4-4, 2012 | | | | |
| | | 1000 Ohms - Shall be as per IS 14700-4-4 ,2018/ IEC 61000-4-4, 2012 | | | | |
| 14 | Open circuit voltag | Open circuit voltage in to 1000 ohms load as per the standard | | | | |
| | | Open circuit voltage in to 50 ohms load as per the standard | | | | |

| | | | | | | |
|----|-------------------------------|--|--|--|--|--|
| 15 | Polarity | Positive, Negative and alternate | | | | |
| 16 | Generator Output | Direct via Coaxial 50 ohm connector and via CDN | | | | |
| 17 | Test load impedance | 50Ω ± 2% and 1000 Ω ± 2% | | | | |
| 18 | Repetition frequency | 5 kHz & 100 kHz ± 20% | | | | |
| 19 | Coupling / Decoupling Network | Three phase CDN rating: Five lines (L1, L2, L3, N,PE), 50A, 240V L-N . (inbuilt or separate unit) | | | | |
| | | Test configuration : L1, L2, L3, N, PE all combinations as per the standard. | | | | |
| | | Operation of three phase CDN shall be selectable | | | | |
| | | RS232 OR any suitable Communication media between Generator and three phase CDN shall be provided. | | | | |
| 20 | Capacitive coupling Clamp | Capacitive coupling Clamp for testing of Auxilliary and communication line cables | | | | |
| | | CDN Shall be as cl no. 6.3.2 of the standard and capacitive coupling clamp shall be as per Cl. No. 6.4 of the standard. | | | | |
| 21 | Calibration accessories | 50 ohms Load ,1000 ohms Load, CDN Adopter and any other assessorry required for calibration of EFT generator shall be provided. CDN and Clamp must be included in the quote and supplied with the Generator. | | | | |
| 22 | Operation of Generator | Soft touch key/ button shall be provided for setting test parameters. | | | | |
| | | Digital /LCD display for indicating Status of the test, test parameters and to program the test. | | | | |
| | | Software for operation through PC shall be provided . | | | | |
| | | Interface : RS 232 /Gigabit Ethernate/ USB/RS485 | | | | |
| | | All parameters should be programmable | | | | |
| | | Standard test routine for carrying out test as per IEC 61000-4-4 level 1 to 5 shall be preprogrammed. | | | | |
| | | User defined test routine shall facilitate to change : Voltage, Frequency, Frequency sweep, Burst Duration, Polarity, Random burst release | | | | |
| | | It shall be possible to program test in PC based software for selection of line combinations and complete testing automatically through Software | | | | |
| 23 | PC | Branded PC with latest configuration for operation of the Generator, line selection and running test in auto mode shall be supplied with latest operating system | | | | |
| 24 | Supply voltage | Supply voltage available at laboratory : 240V +/- 10%; 50Hz | | | | |

| | | | | | | |
|----|---|---|--|--|--|--|
| 25 | General requirements | 1 meter long cables for L1, L2, L3 , Neutral and PE to connect EUT as per standard shall be supplied. | | | | |
| | | Suitable communication cable, Power cord, HV cable for Capacitive coupling Clamp connection with EFT shall be provided. | | | | |
| | | Carrying case shall be quoted as optional. | | | | |
| | | Operating and Service manual with trouble shooting chart shall be provided | | | | |
| 26 | Calibration of Generator, CDN and Capacitive coupling clamp | Calibration certificate of Generator, CDN, Capacitive coupling clamp and calibration accessories from laboratory accredited as per IEC/ISO 17025 is required. | | | | |