

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/12-01/2020-21/PUR/RTL-NK-07

Description of the Equipment/Goods/Services: Tamper simulator for single phase energy meter.

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)	1		0.00
	(The list of mandatory spares shall be provided in the technical bid without mentioning the price)			
	Insurance is under Sunplier's Scope			
<i>1(a)</i>	<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
<i>2(a)</i>	<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
<i>3(a)</i>	<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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Section : Formats
Topic : Price Bid format for local supplies (Indigenous offer)

Issued by : P A
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FORMAT NO.:CPRI/PUR/EPBID/IND

Section IV L - Price Bid for local supplies

CENTRAL POWER RESEARCH INSTITUTE, BENGALURU/BHOPAL Web: www.cpri.in,
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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.			
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/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.

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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/12-01/2020-21/PUR/RTL-NK-07

Description of the Equipment/Goods/Services : Tamper simulator for single phase energy meter.

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) (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
	TOTAL COST				0.00
	Total 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 Non - Local supplies
 (Import) offers

Issue No : 2
 Issue Dt : 30 06 2003
 Issued by : O 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	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 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

Topic : Technical Specifications format

Issue No : 2

Issue Dt. : 30.06.2003

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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/12-01/2020-21/PUR/RTL-NK-07

Description of the Equipment/Goods/Services : Tamper simulator for single phase energy meter.

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		
				Detials of guaranteed technical parameters offered by the bidder	Guaranteed Technical Particulars (GTP)	Specify deviations/ Remarks if any
	Purpose	The equipment is required for testing of single phase energy meter for different types of tamper. The equipment should simulate the tampers as defined in this specifications.	1			
1	Quantity	One				
2		General				

2.1		The equipment is required for testing of single phase energy meter for different types of tamper. The equipment should simulate the tampers as defined in this specifications without physically changing the connections at the terminal of the meter under test.			
2.2		Tamper conditions shall be simulated by selecting the pre programmed test sequence through touch keypad in front side of the equipment			
2.3		Touch screen to enter the test sequence, displays the status of the test. Graphical display of the test condition			
2.4		Variac to adjust the output voltage for Voltage variation and suitable to test meter under neutral missing conditions and 240V to reference standard.			
2.9		Terminals shall be provided for reference standard meter to carry out accuracy test under tamper simulated conditions			
2.1		The equipment shall consists of main load and partial load as separate unit to avoid internal heating of the equipment			
3		Electrical specification			
3.1	Input supply	Single phase/Three phase supply 240/415V±10%,50Hz±5%			
3.2	Output	Single phase 0V to 240V variable.			
3.4		Current through Main load resistors up to 10A			
3.5		Current through Partial load resistors up to 2.5A			
4		Indications			
4.1	Voltmeter	suitable range Type: Digital Class of accuracy:1 Digital voltmeter shall be provided to read output voltage			
4.2	Ammeter	Separate Digital ammeters shall be provided to read main load and partial load current Full scale reading:20A AC Type: Digital Class of accuracy:1			
4.3	Timer	Inbuilt timer with settings Range:0 to 99 minutes Facility to program ON period & OFF period and no of cycles , Facility to program the frequency of pulsating DC injection in neutral disturbance tamper			
	TFT Display	To Graphical display the current simulated tamper conditions			
5		Controls			
5.1		Mains ON/OFF switch			
5.2		Control variac shall be provided separately for chopped AC			

5.3		Graphical Display with touch screen			
6		Connectors/terminals			
6.1	Meter connection	Universal spring loaded quick connector type for meter connection shall be provided			
6.2	Load Unit	External load connections for main load and partial load shall be provided separately			
6.3		Separate terminals shall be provided for connecting reference standard meter, current by pass, variable resistance and variable capacitor			
7	Dimensions	Shall be quoted by the bidder			
7.1	Equipment	Shall be quoted by the bidder			
7.2	Load Unit	Shall be quoted by the bidder			
8		Standard Accessories			
8.1		Main load and partial load			
8.2		Variable resistor 10k Ω to 40k Ω with different selector switches			
8.3		Five different ratings of capacitors(0.047 μ F,0.1 μ F,0.22 μ F,0.47 μ F,1.0 μ F)			
8.4		Single phase two wire along with earth for main supply cable of 2 meters shall be provided			
8.5		Cable for main load , Partial load Variable resistor and variable capacitor cable of 2 meters shall be provided			
9		Tamper Conditions			
		Following tamper conditions shall be simulated and the simulated condition shall be displayed graphical representaion of the simulated condition, with SI no			
		1 Normal Condition			
		2 Phase & neutral Interchanged at Supply.			
		3 Current reversed, supply & load interchanged.			
		4 Current reversed, supply & load interchanged, phase & neutral interchanged in Supply.			
		5 Full Load Earthed in phase circuit.			
		6 Full Load Earthed in Neutral circuit, phase & neutral interchanged in supply.			
		7 Full load earthed, current reversed in phase circuit, Supply & load interchanged.			
		8 Full load earthed in neutral circuit, Supply & load interchanged, Phase & neutral interchanged.			
		9 Partial load earthed.			
		10 Partial load earthed, Phase & neutral interchanged in supply.			
		11 partial load earthed, current reversed, supply & load, Interchanged			
		12 Current reversed, supply & load interchanged, phase & neutral interchanged in supply.			
		13 Phase current forward, neutral current reversed.			

	14	Phase current forward, neutral current reversed, phase & neutral interchanged in supply.			
	15	Phase current reversed, neutral current forward, supply & load interchanged.			
	16	Phase current reversed, neutral current forward, supply & load interchanged, phase & neutral interchanged in supply side.			
	17	Partial load earthed, Phase current forward neutral current reversed			
	18	Phase neutral interchanged at supply side, phase current forward neutral current reversed partial load Earthed.			
	19	Supply load interchanged, phase current reversed, neutral current forward, Partial load earthed			
	20	Supply load interchanged, phase neutral interchanged in supply side, phase current reversed, neutral current forward, partial load earthed.			
	21	Phase Current bypass.			
	22	Neutral current bypass.			
	23	Phase & neutral current bypass.			
	24	Single wire phase circuit neutral missing full load earthed			
	25	Single wire neutral circuit neutral missing full load earthed			
	26	Supply load interchanged neutral missing phase circuit full load earthed			
	27	single wire neutral circuit supply load interchanged neutral missing			
	28	Diode (Reversed) in neutral			
	29	Phase & neutral Interchanged Diode (Reversed) in neutral			
	30	Current reversed Diode Reversed in neutral.			
	31	Phase & neutral Interchanged Diode Reversed in neutral, current reversed			
	32	Diode (forward) in Neutral			
	33	Phase & neutral Interchanged Diode (forward) in Neutral			
	34	Diode Forward in neutral, current reversed			
	35	Phase & neutral Interchanged Diode Forward in neutral, current reversed			
	36	Full load earthed, diode reversed in neutral			
	37	Phase & neutral Interchanged Full load earthed, diode reversed in neutral			
	38	Diode reversed in neutral, current reversed phase circuit, full load earthed			
	39	Diode reversed in neutral, current reversed neutral circuit, full load earthed.			
	40	Full load earthed, diode forward in neutral			

	41	Phase & neutral Interchanged Full load earthed, diode forward in neutral				
	42	Diode forward in neutral, full load earthed, current reversed neutral circuit.				
	43	Diode forward in neutral, full load earthed, current reversed neutral circuit.				
	44	Neutral missing diode (reversed) at 2L & earthed, full load earthed.				
	45	Phase Interchanged Neutral missing full load earthed, diode reversed & earthed,				
	46	Neutral missing diode (reversed)&earthed, full load earthed & current reversed in phase circuit				
	47	Neutral missing diode (reversed)&earthed, full load earthed & current reversed in neutral circuit				
	48	Diode forward & earthed, full load earthed, neutral missing				
	49	Phase Interchanged Diode forward & earthed, full load earthed, neutral missing				
	50	Neutral missing diode (forward)&earthed, full load earthed & current reversed in phase circuit				
	51	Neutral missing diode (forward)& earthed, full load earthed & current reversed in neutral circuit				
	52	Neutral missing variable load at 2L & earthed, full load earthed				
	53	neutral missing full load earthed variable resistor, current reversed in neutral circuit				
	54	Neutral missing full load earthed current reversed in phase circuit				
	55	Neutral missing full load earthed variable resistance at 1L & earthed, current revered in Neutral circuit				
	56	Neutral missing variable capacitance at 2L & Earthed, full load earthed				
	57	Neutral missing variable capacitor full load earthed, current reversed in neutral circuit				
	58	Neutral missing full load earthed, variable capacitance at 2L &earthed, current reversed in phase circuit				
	59	Neutral missing full load earthed				
	60	Chopper in neutral				
	61	Phase & neutral Interchanged, Chopper in neutral				
	62	Chopper in neutral current reversed				
	63	Phase & neutral Interchanged, Chopper in neutral current reversed.				
	64	Neutral missing, Full Load earthed, chopper in earthed				
	65	Phase Interchanged neutral missing AC chopper with full load earthed.				

	66	Neutral missing AC chopper at 2L & earthed current reversed in phase circuit.				
	67	Full load earthed AC chopper earthed, neutral missing current reversed in neutral circuit.				
	68	Neutral diode at 2S and variable resistance with earthing at 2S, full load earth				
	69	Phase Inter changed Neutral diode at 1S and variable resistance with earthing at 1S, full load earth				
	70	Current reversed in phase circuit, Neutral diode at 2L and variable resistance with Earthing at 2L,full load earthed,				
	71	Current reversed in Neutral circuit, Neutral diode at 1L and variable resistance with earthing at 1L, full load earthed,				
	72	Neutral missing full load earthed at regular time interval				
	73	Neutral Disturbance through pulsating DC				
	74	Neutral missing 2L & 1L shorted phase at 1S Full load earthed 2S				
	75	Neutral missing 2L & 1L shorted phase at 2S Full load earthed 1S				
	76	current reversed neutral missing 1S & 2S shorted phase at 1L Full load earthed 2L				
	77	current reversed neutral missing 1S & 2S shorted phase at 2L Full load earthed 1				
	78	Neutral missing one phase shorted at 1S & 2S -load 1 at 1L-load 2 at 2L				
	79	Neutral missing one phase shorted at 1L & 2L -load 1 at 1S-load 2 at 2S				
10		General conditions				
10.1		Load supplied with the Simulator shall be able to carry 10A current continuously for 30 minutes				
10.2		M.S fabricated panel duly powdered coated				
11	Warrantee	One Year form the date of Installation and Commissioning. 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.				

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