

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

Revision No. : 04  
 Dt of Revision : 25.07.2017  
 Page No. : 1 of 2  
 Section : Formats  
 Topic : e-Tender Price Bid Document for Indigenous offer

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

**Section I(A)-Price Bid for Indigenous offer**

CENTRAL POWER RESEARCH INSTITUTE, BHOPAL Web: www.cpri.in, www.tenderwizard.com/CPRI, Telefax: 0755-2586283

**Tender Enquiry No : STDS/12-1/2019-20/PUR/STL/A-1986/**

**Description of the Equipment/Goods/Services : Multiple Chopping Gap.**

*Note : 1) The Offers should be submitted in this format only otherwise shall be rejected.*

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

*3) The bidders shall not submit the offer on "HIGH SEA SALES." The same shall be rejected if submitted on HIGH SEA SALES.*

*4) The GSTIN No., HSN Code and SAC code (Services Accounting Code) are mandatory, should be provided.*

Name Of Bidder				
Quotation Number and Date				
GSTIN No				
HSN code (Harmonized system nomenclature)				
SAC code (Services Accounting Code)				
Sl.No	Particulars	Qty	Unit Rate in Rupees	Total Amount in Rupees
1	<b>Basic Price (Inclusive of Packing &amp; Forwarding Charges) Insurance is under Supplier's Scope</b>	1		0.00
1(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
2	<b>Transportation Charges (To be Quoted in Lumpsum ,if applicable)</b>			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	<b>Installation and Commissioning Charges (To be Quoted in Lumpsum ,if applicable)</b>			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
	<b>TOTAL LANDED COST</b>			<b>0.00</b>

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**Section I(A)-Price Bid for Indigenous offer**

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4	<b>OPTION-1 :</b> ( This cost is optional hence will not to be considered for cost comparission evaluations.) <b>Post warrenty comprehensive AMC including, Labour, Travel, Spare Parts etc. to be quoted in lumpsum in INR only.</b>	2/3/4/5 Years.		
4(a)	GST as applicable			
5	<b>OPTION-2 :</b> ( This cost is optional hence will not to be considered for cost comparission evaluations.) <b>Mandatory Spares- Detailed list of items to be furnished in technical bid. (If any in INR)</b>			<b>0.00</b>
5(a)	GST as applicable			<b>0.00</b>
<b>Sl.No</b>	<b>Terms and conditions of the Bidder for the below</b>			<b>Remarks</b>
1	<b>Guarantee/Warrantee period</b>			
2	<b>After sales and services facility</b>			
3	<b>Delivery period</b>			
4	<b>Validity of the quotation</b>			
5	<b>Payment terms</b>			
6	<b>Income Tax permanent account number(PAN)</b>			
7	<b>Details of enlistment if any under Department of expenditutre , Minsitry Of Finance , GOI.</b>			
8	<b>Name and address of the customer,if any to whom a similar equipment/items/Service has been supplied with their purchase order number and date.</b>			
9	<b>Whether a similar equipment could be demonstrated to our representative in case required.</b>			
10	<b>Details of EMD submitted</b>			
11	<b>Acceptance for submission of security deposit in the event of placement of order.</b>			

**UNDER TAKING: THE OFFER MADE IS IN STRICT COMPLAINCE WITH THE QUALITY AND OTHER TECHNICAL REQUIREMENT MENTIONED IN SECTION-II.**

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**Section I(B)-Price Bid for Import Offer**

CENTRAL POWER RESEARCH INSTITUTE, BHOPAL Web: www.cpri.in, www.tenderwizard.com/CPRI, Telefax: 0755-2586283

**Tender Enquiry No : STDS/12-1/2019-20/PUR/STL/A-1986/**

**Description of the Equipment/Goods/Services : Multiple Chopping Gap.**

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

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

**3) The GSTIN No., HSN Code and SAC code are mandatory, should be provided wherever required.**

**4) 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 Bidder

Quotation Number and Date

GSTIN No (if applicable)

HSN code (Harmonized system nomenclature)

SAC code (Services Accounting Code)

Sl.no	Partuculars	Qty	Unit Rate in Figures	Currency Type	Amount
1	FOB value of the complete system (Including packing and forwarding charges)	1			0.00
2	Insurance charges upto CPRI(ware house to ware house)(Lumpsum)				0.00
3	Freight Charges,As applicable(Lumpsum)				
3(a)	Air Freight Charges.(Lumpsum)				0.00
3(b)	Sea Freight Charges.(Lumpsum)				0.00
4	Total CIF cost				0.00
5	Installation and commission charges in Rupees(Lumpsum)			INR	0.00
5(a)	GST as applicable (GST rate in percentage only)				
	CGST				0.00
	IGST				0.00
	SGST				0.00
	UTGST				0.00
	CESS if any				0.00
	<b>TOTAL LANDED COST</b>				<b>0.00</b>

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**Section I(B)-Price Bid for Import Offer**

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Sl.no	Partuculars	Qty	Unit Rate in Figures	Currency Type	Amount
6	<b>OPTION-1 :</b> (This cost is optional hence will not to be considered for cost comparission evaluations.) <b>Post warrenty comprehensive AMC including, Labour, Travel, Spare Parts etc. lumpsum amount in INR only</b>	2/3/4/5 Years.			
6(a)	GST as Applicable				
7	<b>OPTION-2 :</b> (This cost is optional hence will not to be considered for cost comparission evaluations.) <b>Mandatory Spares- Detailed list of items to be furnished in technical bid. (If any)</b>				<b>0.00</b>
Sl.no	Terms and conditions of the Bidder for the below			Remarks	
1	Indian agency commission,if any included in FOB value payable in indian currency (Percentage of FOB value).				
2	Guarantee/Warrantee period				
3	After sales and service facility				
4	Delivery period				
5	Validity of the offer				
6	Payment terms				
7	Income Tax permanent account number(PAN) of Indian agent				
8	Details of enlistment if any under Department of expenditutre , Minsitry Of Finance, GOI.				
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.				
10	Whether a similar equipment be demonstrated to our representative in case required.				
11	Details of EMD submitted				
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-II

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 FORMAT NO.:CPRI/PUR/ETBID/GTP

**Section II -Technical Specification**

**CENTRAL POWER RESEARCH INSTITUTE, BHOPAL, Web: www.cpri.in, www.tenderwizard.com/CPRI, Telefax: 0755-2586283**

**Tender Enquiry No : STDS/12-1/2019-20/PUR/STL/A-1986/**

**Description of the Equipment/Goods/Services : Multiple Chopping Gap.**

**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
1.	Quantity	One	1		
2.	Equipment	Multiple chopping gap of 2400 kV, required to be used with "the existing (TYPE: CDY) Impulse Voltage Generator of 2400 kV, 240 kJ, 12 Stages of 200kV each (Manufactured by M/s China Aerospace & Industry Corp., Beijing) Dimensions are LxWxH: 4.2 (m) x 3.9(m) x 11.85 (m) used for the transformers test as per IEC60076-3.2013 and upto 400kV class CT's as per IEC: 61869-1:2007 and IEC: 61869-2:2012. Existing laboratory dimensions in meters (length x width x height): 24m x 28m x 26m.			
3.	Place where equipment to be supplied	EHV Laboratory, STL, STDS, CPRI, Bhopal			
4.	Scope (supply/ Supply & installation/ Supply, installation & Training)	Supply, installation, commissioning and synchronization with the existing impulse voltage generator & training.			
5.	Technical data	For standard condition as per IEC 60060-1 & 2: 2010 and altitude lower than 1000m, as per IEC: 60076-3.2013			

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**Section II -Technical Specification**

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Sl.No.	Parameters	CPRI Specification / Requirements	Qty	To be completed by the Bidder	
				Guaranteed Technical Particulars (GTP)	Specify deviations/ Remarks if any
6.	Operating Condition	(i) Operating temperature: 0 °C to +45 °C			
		(ii) Storage temperature: 0 °C to +50 °C			
		(iii) Relative humidity: < 90% non-condensing			
		(iv) Height above sea level <1000 m			
		(v) All the dimensions of multiple chopping gap, clearance to walls and ceiling, top electrode dimension etc. must be suitable with the existing impulse voltage generator and EHV laboratory (Lab dimension 24m x 28m x 26m)			
7.	Rated lightning impulse voltage =	2400 kV, 1.2/50 μs			
8.	Trigger range	(i) The triggering shall be with adjustable timing			
		(ii) Multiple chopping gap with maximum 12 stages with a minimum firing voltage of 10% of the rated voltage per stage. Number of high voltage units (stages) to be specified by the bidder according to their design.			
		(iii) Multiple chopping gap shall have facility to operate on any no. of stages between one to max. no. of stages.			
9.	Basic requirement for the multiple chopping gap	(i) Control Unit of Multiple chopping gap must be synchronized with the existing impulse voltage generator. The control unit should be especially developed for HV test lab requirements.			
		(ii) Top electrode is required. Dimension, shape and its type to be defined by bidder as per rated voltage.			

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Sl.No.	Parameters	CPRI Specification / Requirements	Qty	To be completed by the Bidder	
				Guaranteed Technical Particulars (GTP)	Specify deviations/ Remarks if any
9.	Basic requirement for the multiple chopping gap	(iii) The resistance required for the control of overswing shall be provided with the chopping gap according to the per stage or whole system requirement.			
		(iv) Base frame with rotatable and lockable castor wheels for easy movement on smooth platform.			
		(v) Set of struts (if necessary).			
		(vi) Multi core control cable shall be used between the connection box and the chopping gap with a minimum length of 15 meters.			
		(vii) Suitable number of spare chopping gap electrode and other consumables shall be specified by bidder			
		(viii) Service manual with all circuit diagram and operating manual shall be provided with system			
10.	Design parameters	(i) Stages of multiple chopping gap should be made of stacked capacitors with inserted damping resistance. The value of its capacitance and resistance to be specified by the bidder.			
		(ii) The multiple chopping gap's sphere shall be designed to reduce the burn off.			
		(iii) The chopping gap electrodes shall be designed to be long lasting and corrosion free. The material of electrode shall be specified by bidder.			
11.	Control Unit	The control unit should be designed with following features but not limited to this only.  (i) Two push button mechanism for the increasing or decreasing of the sphere gap on a multiple chopping gap. The desktop unit shall contain the power supplies for the motorized control of the sphere gap and its measuring system.			
		(ii) The display system shall recognize the movement of the sphere gap and multiple digit display shall show the sphere gap distance and equivalent voltage. The smoother operation & control over sphere gaps should be provided by two push buttons.			
		(iii) The over swing observed during application of the test voltage shall be measured and recorded.			

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Sl.No.	Parameters	CPRI Specification / Requirements	Qty	To be completed by the Bidder	
				Guaranteed Technical Particulars (GTP)	Specify deviations/ Remarks if any
12.	Operation & display	(i) Mains Power off switch			
		(ii) Two push buttons for automatic adjustment for increasing and decreasing of the sphere gap based on different voltage setting and its indication on the display shall be provided.			
		(iii) Desk top unit suitable for HV test lab environment.			
13.	Calibration	The gap to corresponding set voltage corrected to the atmospheric condition up to 2400 kV to be specified and the factory certificate for the same to be submitted.			
14.	Training	Training over chooped impulse voltage test on atleast two power transformer of different rating at STL, STDS, CPRI, Bhopal is required.			
15.	Qualifying conditions & warranty requirements	(i) Bidder may visit the laboratory to meet the requirement in conjunction with the existing Impulse Voltage Generator before bidding & then quote accordingly.			
		(ii) No deviation of technical specification on the lower side will be acceptable. If there are any deviation in technical specification this should be clearly specified.			
		(iii) The bidder are required to submit the proof of supply and successful performance of Multiple chopping gap of this range or higher from at least one end user with the name of customers with year of installation, postal address, contact person with designation, contact no., email-id must be submitted. (The supplier shall not outsource/subcontract any of the equipment from other agencies).			
		(iv) Minimum two years warranty is required along with warranty certificate.			
		(v) Bidder should undertake to ensure availability of post warrantee AMC for at least 3 years and spare parts for at least 10 years.			
16.	Pre-dispatch inspection	Required			
17.	Delivery	Within 6-7 months from the date of placement of purchase order.			



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 technical details shall be submitted in hard copy in a sealed cover superscribing enquiry number and due date so as to reach the below mentioned address within 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, Govindpura, Bhopal-462023  
Telefax: 0755-2586283, email:khairwar@cpri.in , web : www.cpri.in