

**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/RTL-N-20/**

**Name of the Equipment : 25kVA, 50-900V, 100Hz,3Phase MOTOR GENERATOR SET WITH AC DRIVE AND CONTROL**

*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
<b>1</b>	<b>Basic Price (Inclusive of Packing &amp; Forwarding Charges) 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>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>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>

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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/RTL-N-20/

Name of the Equipment : 25kVA, 50-900V, 100Hz,3Phase MOTOR GENERATOR SET WITH AC DRIVE AND CONTROL.

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)	<i>GST as applicable (GST rate 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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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 WIIL 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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**CPRI**

[www.tenderwizard.com/CPRI](http://www.tenderwizard.com/CPRI)

**Section II -Technical Specification**

Tender Enquiry No : STDS/12-1/2019-20/PUR/RTL-N-20/

Name of the Equipment : 25kVA, 50-900V, 100Hz,3Phase MOTOR GENERATOR SET WITH AC DRIVE AND CONTROL.

Note :The Offers should be submitted only in this format otherwise the offer will be liable for rejection

**A detailed technical catalogue/literature/phamplet and any other technical details shall be sent in hard copy in a sealed cover superscribing enquiry number and due date so as to reach the following address with the due date and time. This is very much essential to evaluate your offer.**

Name of the Vendor					
Offer Number and Date					
Sl.No.	Parameters	CPRI Specification/Requirements	Quantity	To be completed by the Bidder	
				Guaranteed Technical Particulars (GTP)	Deviation/Remarks Specify if any
1	25kVA MOTOR GENERATOR SET WITH AC DRIVE AND CONTROL		One set		
2	Supply	Specification cover design, manufacturing, Supply & testing of 25 kVA MG Set with AC Control Drive and there after erection and trial testing and commissioning of complete Motor Generator set system at, CPRI, RTL NOIDA.			
3	Applications	Induced over Voltage Withstand(DVDF) tests on up to 1000kVA Transformers at frequency 100 Hz as per latest IS:1180, IS:2026, IEC:60076, standards.			
4	SERVICE CONDITIONS	The Motor Generator Set with AC Drive and all associated controls and protection system shall be suitable for installation under the following conditions:-  Operating Temperature : 0°C (Min.) to 50°C (Max.) Humidity : 0-95% RH (Non Condensing) Altitude : 200 meters above MSL Installation : Indoor supply : 415V ± 10%, Three Phase, 50Hz Atmospheric conditions : Normal Safety clearances : As per Indian Electricity rules	Input		
5	General Arrangement	Motor-Generator Set will be mounted on a common base plate and coupled to each other through flexible coupling. The complete MG Set will be mounted on Anti Vibration mounts.			
6	<b>A. C. Generator</b>				
i	Rating	25kVA,3Phase,100Hz			

ii	Output Voltage	50-900V			
iii	Rated current	28 A			
vi	Class of insulation	'F'			
vi	Enclosure	IP-21			
vi	Prime mover	AC motor			
vii	Power Factor	0.3lag			
viii	Total Harmonics Distortion	less than 5%			
vii	Obtainable Frequency	100 Hz			
viii	Duty	30miniute ON & 30miniute OFF			
ix	Make	KIRLOSKAR, CGL, AEC, BHEL, ABB or reputed make			
7	<b>A. C. motor</b>				
i	Rating	15 kW, 3 Ph			
ii	Type of Motor	Squirrel cage induction motor			
iii	Rated Voltage	415V			
iv	Rated frequency	50 Hz			
v	Enclosure	IP-21			
vi	Duty	30 miniuts ON and 30 OFF			
vii	Make of the Main Components of A.C. Drive	L&T, ABB, SIEMENS, INDO ASIAN, SCHNEIDER, C & S or reputedmake			
8	<b>CONTROL PANEL</b>	A floor mounting sheet steel cubicle with Powder coated paint .			
i		MCCB, 100 Amps, 3Phase for Incoming supply			
ii		Semiconductor Fuses			
iii		AC Voltmeter with selector switch, 3 nos AC Ammeter with suitable CT's, & Frequency Meter, Input side & load side			
iv		Local/ Remote Selector Switch			
v		Motor START/STOP push button			
vi		Indication Lamps for Mains, Motor ON/OFF			
vii		MCCB ON/OFF Push button			
viii		Connections by Copper cables/ busbars			
ix		Contactors for output with HRC Fuse			
x		Over load relays, over voltage relays, Annunciator			
xi		Suitable excitation syytem with controls to get the variable voltage			
xii		Load OFF & Emergency OFF push button with indications			
xiii		Door limit switch, interlock lamps, Panel lamps, Lifting hook, Earthing Provision			
9	<b>ERECTION &amp; COMMISSIONING OF M-G SET(To be done by the bidder)</b>	Erection / installation of AC Motor, Generator, A.C. Drive Control Panel, Generator Operating Control Desk . The space required shall be made available by CPRI in a well ventilated indoor room. Interconnection of above equipments and devices with suitable rating and size of cables. The earthing of equipments to be done as per IS: 3043, 1987			
i		Commissioning of the individual equipments stated above as well as the complete integrated system. Routine tests and Trial run of the complete system.			
ii		Trial test with under test transformer at the maximum rating stipulated in specification.			
iii		The supplier shall specify electrical clearances and safety aspect.			
iv		After successful erection & commissioning, the supplier has to arrange for imparting the training to designated technical personnel of the CPRI at RTL Noida .			

10	Manuals	<ul style="list-style-type: none"> <li>• Three sets of relevant technical documents in English, detailing specifications, constructional features, operating instructions, maintenance schedule, schematic diagram of AC Drive etc., shall be supplied.</li> <li>• Principle of Operation of the complete system.</li> <li>• Operation and Maintenance of the complete system.</li> <li>• Precautions and safety of man and machine.</li> <li>• How to find the various faults and their repair / trouble shooting</li> </ul>			
11	Drawings	<p>The Supplier shall submit the following drawings along with the bid:-  General outline drawing of Motor Generator Set system.  The foundation plan &amp; mounting details for Motor Generator System &amp; AC Drive Control Panel &amp; Control Desk.  Schematic of various equipments with electrical &amp; safety clearances.  Weight of the Motor Generator Set system</p>			
12	GUARANTEE	The guarantee period shall be 24 months from the date of completion of commissioning of M-G Set, AC Drive Control Panel and Control Desk and other associated materials/equipments in full as per the specifications and tests.			
13	PROTECTION SYSTEM	short circuit, over voltages, exceeding temperature, stator earth fault and rotor earth fault, etc. shall be provide			
14	GENERAL	Adequate size lugs & connectors for power supply to A.C. Drive Control Panel, A C Motor, Generator Output Panel and Operating Control Desk. Routing of these cables through trenches to interconnect said equipments.			
15		Stability of output voltage, current and frequency should be ensured by the bidder.			
16	Qualifying criteria	All the technical parameter should be meet requirement as per GTP then first lowest.			

Note : Compliance to meeting all of the above technical specification requirement should be furnished in detail against each serial number in GTP column with supporting technical write up, illustrations, schematics, single line diagrams, drawings, catalogues of proposed sub-equipment & instruments suppliers etc.

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 technocal 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 Authority , Central Power Research Institute, Govindpura, Bhopal-462022 Telefax: 0755-2586283, email: khairwar@cpri.in, web: www.cpri.in