

PACKAGE 2: SHORT CIRCUIT TESTING TRANSFORMERS (3X1400MVA)



CENTRAL POWER RESEARCH INSTITUTE

(A Govt. of India Society, Ministry of Power)

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AUGMENTATION OF SHORT CIRCUIT TEST FACILITIES AT HIGH POWER LABORATORY, CPRI, BENGALURU PACKAGE 2: SHORT CIRCUIT TESTING TRANSFORMERS (3X1400MVA) (E-Tender)

NIT No.: CPRIBLR21NIT09

Date: 27.07.2021

INFORMATION TO BIDDER

1.0 FOREWORD

Central Power Research Institute (CPRI) invites online e-tender bids on single stage **two bid system** basis from eligible bidders for the Design, Engineering, Manufacture, Assembly, Testing, supply, Transportation, Loading and Unloading, erection, installation and commissioning of 4200 MVA, 14kV/448kV Short circuit testing transformer bank with all accessories, consisting of three 1400 MVA, 14kV/448kV single-phase transformers as specified in the technical specification, for enhancing the short circuit test facility at High Power Laboratory, CPRI, Bengaluru, India as per the scope of work mentioned hereinafter.

2.0 SCOPE OF WORK

2.1 The scope of the proposal shall be on the basis of a **single bidder's responsibility**, for the works specified under the accompanying specifications and documents.

2.2 This scope covers the Design, Engineering, Design inputs for foundation, Manufacture, Assembly, Testing, Supply, Transportation, Loading and Unloading, Erection, Installation and Commissioning of **4200MVA, 14kV/448kV Short circuit testing transformer bank with all accessories, consisting of three 1400 MVA, 14kV/448kV single-phase transformers (T7, T8 and T9)** as specified in the technical specification, for enhancing the short circuit test facility at **High Power Laboratory, CPRI-Bengaluru, India**. The new transformer bank shall be operated in parallel in single phase configuration.

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The transformer bank in series to the existing transformers (T1 to T6), shall supply the 616kV two-phase busbar system of laboratory.

2.3

In addition to the above scope mentioned in the Clause 2.2, the supplier shall be responsible for the following activities:

a) Supply Part

- (i) Detailed design and engineering,
- (ii) Providing engineering drawings, data, operation manual etc., for the CPRI's approval and use,
- (iii) Complete manufacture including stage inspection, shop testing, type and special testing as per the Clause 13.1.2 of Section-VI, Technical Specifications (TS), Volume I, Part 2 of 2.
- (iv) Packing for tropical conditions and despatching from the manufacture's works up to CPRI, Bengaluru premises,
- (v) Supply of spares, tools and tackles.

b) Transport, Testing and Erection, Installation and Commissioning Part

- (i) transportation to site, Transit insurance, Storage cum installation insurance,
- (ii) Preservation of equipment at the site,
- (iii) Pre-assembly, if any, for erection and testing
- (iv) Erection, Installation and commissioning of the equipment,
- (v) Performance guarantee tests,
- (vi) Training of CPRI personnel at site.

3.0

Single stage, two bid system basis is followed for this tender. The tender is classified into two parts:

PART 1: Techno-commercial Bid (Sealed Envelope) comprising Bid Security, requisite data on qualifying requirements, detailed technical aspects of the Plant and Equipment offered, supporting catalogues, documents and descriptive materials, data as required in Technical specifications, deviation list if any from employer's technical specifications and conditions of contract, work completion schedule, master network, integrity pact, quality assurance program, proposal for training program of CPRI personnel at site etc.

Bid Form (Techno-Commercial Bid) Section-VII, Part 1 of 2 duly completed and signed by the Bidder, together with all Attachments **except** Attachment 12 identified in ITB Sub-Clause 9.2 shall be submitted in hard copy along with technical compliance sheet as per attachment-11. In addition, technical compliance - Annexure 3 of Volume I, Part 2 of 2, Section VI-TS shall be uploaded **through online portal www.tenderwizard.com/CPRI also.**

PART 2: Price Bid - Section VII-Part 2 of 2 and Attachment 12, comprising the financial details of the plant and equipment, mandatory spares, recommended spares, taxes and duties, type and special tests, transit insurance, storage cum

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installation insurance, transport and installation & commissioning etc. shall be submitted **through online portal www.tenderwizard.com/CPRI only.**

- 4.0.** The bidder documents for the procurement of the said package consisting of two volumes: Volumes-I and Volume-II, each containing two parts.

Volume-I, Part 1 of 2:

Section-I: Notice Inviting Tender (NIT) giving a brief description of the package and the requirements.

Section-II: Details the Instruction to Bidders (ITB) – describes overall instruction to the bidders.

Section-III: Bid Data Sheet (BDS): This includes the amendments to ITB.

Section-IV: General Conditions of Contract (GCC).

Section-V: Special Conditions of Contract (SCC): This includes the amendments to GCC.

Volume -I, Part 2 of 2:

Section-VI: Details the Technical Specifications and Drawings (TS).

Volume-II, Part 1 of 2:

Section-VII: Forms and Procedures

Volumes-II, Part 2 of 2:

Section-VII: Price Bid

- 5.0** The bid document consisting of the scope of work, technical specifications, quantities and the terms and conditions to be complied with and other necessary documents can be purchased from **Purchase Authority, Purchase Division, Central Power Research Institute, P. B. No. 8066, Sadashivanagar P.O., Prof. Sir. C. V. Raman Road, Bengaluru-560080, Telephone No. +91-(0)80-22072271/ email id: purchase@cpri.in as per the given schedule.**

NIT No.	CPRIBLR21NIT09
Bid documents on sale	From 27/07/2021 to 03/09/2021
Last date of receipt of queries prior to pre-bid conference	20/08/2021
Pre bid conference	25/08/2021
Last date for receipt of Bid	08/09/2021 by 14.00 hrs
Techno commercial Bid Opening (Online)	09/09/2021 from 11.00 hrs onwards.
Cost of Bidding Document (Non-refundable and to be paid as per	Rs. 1,000 (Rupees One Thousand Only) per set

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Bidding Document)	
Tender Processing Fee (Non-refundable and to be paid on line at the time of tender submission)	Rs.2950.00 (inclusive of service tax) through e- payment gate way. This is mandatory.
Earnest Money Deposit	Bid Security Declaration as per Bidding Document.

6.0 Employer's Account Details

Details of RTGS/NEFT transfer for domestic bidders for CPRI, Bengaluru.

Beneficiary Name : CENTRAL POWER RESEARCH INSTITUTE

Bank Name & Address : STATE BANK OF INDIA, IISC BRANCH
BENGALURU

IFSC : SBIN0002215

Beneficiary Account No. : 10356553310

Type of Account No. : SAVINGS ACCOUNT

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IMPORTANT INSTRUCTIONS TO BIDDERS TO PARTICIPATE IN e-TENDERING

1	<p>The Bidders who are not registered for e-tendering on the website mentioned below are required to get prior registration with KEONICS, No.24, 3rd Stage, 4th Block, Basaveshwarnagar, Bangalore -560 079, after fulfilling the procedural formalities, including making payment of the requisite registration/processing fee ONLINE in favour of KSEDCL payable at Bengaluru. If needed, bidders can be imparted training on online bidding process as per details available on the website. Details of 'vendor registration' and 'Vendor brief help' are also available on the above e-tender portal.</p>
2	<p>One of the pre-requisites for participation in e-tendering is obtaining a valid Class III Digital Signature Certificate from one of the Digital Signature Certifying authorities such as NIC, MTNL, e-Mudhra, TCS, Safescypt, GNFC etc., preferably through KEONICS.</p>
3	<p>On tender opening date, the Bidders can login and can witness the bids opening process. Sequel to the opening of bids at the prescribed date & time, the bidders would automatically receive cost comparison sheet.</p>
4	<p>Bidders must ensure to quote in the prescribed format included in the tender document. The column meant for quoting rate in figures appears in pink colour and the moment rate is entered, it turns sky blue. In addition to this, while selecting any of the cells; a warning appears that if any cell is left blank the same shall be treated as "0". Therefore, if any cell is left blank and no rate is quoted by the bidder, rate of such item shall be treated as "0" (ZERO).</p>
5	<p>List of Documents to be scanned and uploaded along with bid:</p> <p>Demand Draft/Banker's Cheque/FDR/BG issued by any of scheduled banks guaranteed by Reserve Bank of India, drawn in favour of the 'Chief Accounts Officer, CPRI, Bangalore (In case of submission of EMD by way of DD/ Bank guarantee, the original copy of the uploaded DD/BG should reach 'Purchase Authority, Central Power Research Institute, Bengaluru' on or before the due date and failing which the offer shall be rejected.</p> <p>Certificates of PAN.</p> <p>Certificate of Registration for GST, HSN & SAC codes etc.</p>
6	<p>Any queries regarding registration for e tendering can be got clarified through KEONICS e tender help desk. Contact No. 080- 49352000 / 9686196764 / 9686115318</p>