

ANNEXURE - 1

Qualifying requirements for FRA (Frequency Response Analyser) Kit

S. no.	Remarks for Qualifying requirements	Vendor Comments/ Confirmation
1	The bidder must be an NTPC approved vendor. It may be noted that offers of the bidders whose vendor approval is either pending OR under scrutiny OR under filing in NTPC <u>SHALL NOT BE CONSIDERED</u>	Confirmed/ Not Confirmed
2.	The bidder must furnish their list of supplies. The bidder must have supplied at least 1 FRA kit for power transformer in India (copy of purchase order from any of SEBs/NTPC/NHPC/NPCIL/Powergrid to be enclosed). OR In case of bidder has obtained the license (or sale agreement) from the principal for manufacture of FRA kit, their principal must have supplied least 1 FRA Kit for power transformer in India (copy of purchase order from any of SEBs/NTPC/NHPC/NPCIL/Powergrid to be enclosed). Copy of license or sale agreement has to be enclosed with bid in this case.	Confirmed/ Not Confirmed
3.	The vendor must submit the detailed technical write-up / drawings etc for the satisfactory performance of their system. The vendor must submit the certificates of all the test conducted on the FRA kit and the components used in the system.	Confirmed/ Not Confirmed
4.	The offered system must be guaranteed as a complete system for all of its associated and in-built components.	Confirmed/ Not Confirmed
5.	Any items which is required for successful operation of the FRA kit . cables, cable lugs, plugs, connectors, will be in the scope of supplier viz hardware, software etc	Confirmed/ Not Confirmed

SIGNATURE.....

NAME

COMPANY'S NAME.....

.....

Annexure -2

Mandatory sheet regarding instruction to bidders for compliance for Enquiry E4661038

Important: This format is to be submitted in original, along with part-1 of bid, duly signed by the bidder, as proof of acceptance.

Sl. No.	Description	Comments / Confirmation By Vendor
1.	(A) We confirm that our offer meets in to all the technical requirements as given in the enquiry item description, technical annexure & remarks of the tender.	Accepted
	(B) Technical deviations, if any, are to be clearly brought out in offer itself. (note: offers with technical deviations are liable for rejection)	Accepted
2.	<u>DELIVER-</u> Commencement of supply in days from date of PO	_____ days
3.	Packing & Forwarding charges (if applicable)	%
4.	(A) Excise duty (mention NA if not applicable)	%
	(B) (I) VAT (Mention NA if not applicable)	%
	(II) CST (Mention NA if not applicable)	%
5.	(A) i)- Delivery terms (F.O.R BHEL JHANSI basis) for Indian supplier. (ii)-Ex-works/ FCA foreign airport for foreign supplier	Accepted
	(B) If rates are ex-works, amount of freight & insurance charges	RS. Or.... %
	(C) Foreign supplier to mentioned airport of dispatch	
6.	(A) Type Test Charges (if applicable)	%
	(B) Service Tax on Type Test Charges (mention NA if not applicable)	%
7.	<u>PVC:</u> - Prices shall remain firm till execution of the contract.	Accepted
8.	<u>Validity:-</u> The offer should remain valid up to 120 days from the tender opening date	Accepted
9.	(A) <u>Guaranty Clause:</u> 18 months from date of dispatch or 12 months from date of commissioning whichever is earlier.	Accepted
	(B) <u>Warranty replacement:</u> Any replacement during warranty period shall be provided on F.O.R. BHEL Jhansi/ Customer Site.	Accepted
	(C) Test certificate / Guarantee certificate as specified in enquiry header) will be provided (along with supply).	Accepted
10.	<u>Liquidated Damage (L.D.):</u> - Failure to supply by the time specified on the order will make the supplier liable to pay unconditional penalty of ½% the prices of goods in arrear per week subject to a maximum of 10% of the order value. Any deviation from, the above LD clause loading will be applied to the extent to which it is not agreed by the bidder (at offered value).	Accepted
11.	Inspection clause as per enquiry remark-2	ACCEPTED
12.	TERMS OF PAYMENT:	
	(A) <u>BHEL STANDARD TERMS OF PAYMENT:</u> 100% payment after 60 days of receipt and acceptance of material at BHEL works. OR	Accepted

Annexure -2

	(B)	The bidders, who are registered with BHEL under micro & small categories (refer MSMED act 2006) & quoted payment within 45 days of DRS (in place of after 60 days as per clause 11-a above).	Accepted
	(C)	<u>Any Other Payment Term Like: Advance/LC/CAD (Cash Against Dispatch) etc. Will not be accepted from indigenous vendors. Offers received with this payment term shall be rejected. LC payment term will be accepted only in case of foreign supplier.</u> BHEL will load total outflow in case of alternate payment terms, as follows: For documents through bank/COD (Cash On Delivery I.E. AGAINST DRS): For 75 days @ (base rate of SBI+6%) per annum In case of payment term "document through bank" all bank charges shall be in supplier's account. Base rate of SBI shall be taken as the rate applicable on the date of 'techno-commercial bid' (part- I) opening date. Base rate of SBI is available at SBI site. At present base rate of SBI is 9.30%. In case where there are deferred payment terms i.e. payment in more than one stage, loading shall be done on pro-rata basis on the deferred amounts.	Accepted
	(D)	<u>a-PAYMENT TERM FOR FOREIGN SUPPLIER ONLY (LC PAYMENT TERMS)- 100% of supply value through irrevocable & unconfirmed LC payment terms with 90 days usance period from HAWB. Bank charges for opening of LC is in BHEL account and LC negotiating charges will be supplier account. (IF CONFIRMED LC IS REQUIRED, CONFIRMATION CHARGES WILL BE SUPPLIER ACCOUNT)</u> b- for LC payment terms will be loaded for deviation period (deviation period @ ({base rate of state bank of India + 6%}/365) per annum c- for any other LC payment terms will be loaded for deviation period (deviation period @ {BASE RATE OF STATE BANK OF INDIA + 6%}) PER ANNUM	Accepted
13.		"The bidder along with its associate/ collaborators/ sub-contractors/ sub-vendors/ consultants/ service providers shall strictly adhere to BHEL fraud prevention policy displayed on BHEL website http://www.bhel.com and shall immediately bring to the notice of BHEL management about any fraud or suspected fraud as soon as it comes to their notice."	Accepted
14.		All other terms and conditions unless otherwise specified and directed are as per general terms and condition of purchase enquiry.	Confirmed

NOTE-IN CASE OF ANY DISCREPANCY/DEVIATION IN TERMS & CONDITIONS ACCEPTED IN MANDATORY SHEET AND GIVEN IN THE OFFER, THEIR ACCEPTANCE GIVEN ON MANDATORY SHEET SHALL BE CONSIDERED.

SIGNATURE

NAME

COMPANY'S NAME

.....

Clause No

Maintenance, Testing & Monitoring Equipments

1.00.00

MAINTENANCE, TESTING & MONITORING EQUIPMENTS

1.01.00

FREQUENCY RESPONSE ANALYSER

1.01.01

TECHNICAL PARAMETERS

a)	Test Method	Sweep Frequency Response Analysis
b)	Frequency Range	10 Hz to 10 MHz
c)	Provision of selection of user defined frequency range within above frequency range.	
d)	Accuracy	(+/-)1 dB
e)	Operating Voltage	230 V, 50 Hz
f)	Built in self-calibration	
g)	Equipment shall be able to display and plot frequency Vs magnitude and frequency Vs phase angle curves.	
h)	Equipment shall be complete in all respect with all-necessary cables, printer, Floppy/CD drive etc.	
i)	Suitable for use at 50 deg.C ambient temperature & 85% relative humidity.	
j)	The instruments & cable shall be designed to ensure repeatable measurement confirming to relevant international standard.	

1.01.02

GENERAL TECHNICAL REQUIREMENT FOR FRA

Employer intends to do condition assessment of transformers using the frequency response technique. The equipment should broadly consist of variable frequency voltage source, network analyzer, necessary software and cabling. Equipment shall be portable and shall be capable of onsite use.