

Repair of 2 Nos. of Rectifier Transformers of 2.0 MVA; NGEF

પ્લાઝ્મા સંશોધન સંસ્થા
પ્લાઝ્મા અનુસંધાન સંસ્થાન

INSTITUTE FOR PLASMA RESEARCH

ઇન્દિરા પુલ નજીક, ભાટ, ગાંધીનગર 382 428, ગુજરાત (ભારત)

નિકટ ઇન્દિરા પુલ, ભાટ, ગાંધીનગર 382 428, ગુજરાત (ભારત) :: NEAR INDIRA BRIDGE, BHAT, GANDHINAGAR 382 428, (INDIA)

દૂર ભાષ/દૂર માધ / TELEPHONE : (079) 239 69001-15; 239 69031-41 :: ફેક્સ/ફેક્સ / FAX : (079) 239 69017

Servicing of
2 Nos. of 2
MVA Transformer
NGEF Make

TENDER NOTICE No.IPR/ST/TN-03/RF2/06-07
dated
March 13, 2007

DUE on
April 04, 2007

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TENDER NOTICE No. IPR/ST/TN-03/RF2/06-07 dated March 13, 2007

GENERAL :

1. Full details and specifications of the items and general instructions to be followed regarding submission of tenders are indicated in the tender documents.
2. The tender must accompany in a separate envelope (a) Tender Fees (non refundable) of Rs.100/- and (b) EMD of Rs.8,750.00 by DEMAND DRAFTS / Banker's Cheques from any nationalized / scheduled bank drawn in favour of *Institute for Plasma Research* and payable at *Ahmedabad*. Contractor's name and tender number shall be indicated on the reverse side of the Demand Drafts.
3. The Tender Document is also available on our website www.ipr.res.in/purchasetenders.html. Those who use the downloaded tender documents from IPR Website may submit the prescribed Tender Fee and EMD as stated in point number 2 above in a separate envelope along with the tender.
4. Tenders shall be submitted in a sealed envelope superscribing the envelope with the above Tender No., Date, Due date and brief description of tendered item along with Tender Fee and EMD to the *Stores Incharge* at the above address by 1.00 p.m. on 04/04/2007. Tenders received upto 1.00 p.m. on 04/04/2007 will be opened on the same day at 2.30 p.m. in the presence of attending bidders.
5. Tenders received without the details asked for and the prescribed tender fee as well as EMD may be liable for rejection.
6. No request for the extension of due date shall be entertained.
7. In the event of any date in this document becomes a declared Holiday the next working day shall become effective for the respective purpose mentioned therein.
8. IPR will not be responsible for any delay/loss of documents in transit.
9. Bidders should confirm the terms and conditions attached with the tender.
10. The Director, IPR reserves the right to accept or reject any offer in full or part without assigning any reason thereof.

The tender document includes the following:

Annexure - I	Eligibility Conditions
Annexure - II	Instructions to Bidders, Terms & Conditions
Annexure - III	Equipment Details
Annexure - IV	Scope of the Tender
Annexure - V	Rate Schedule

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Annexure - I

MANDATORY ELIGIBILITY CONDITIONS

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The bidder should comply the following:

1. Should have own manufacturing facility for power and distribution transformers atleast up to 11 KV, 3 MVA and/or own repair facility for transformers capacity up to 6 MVA, 11/33 kV class.
2. Should have supplied transformers atleast up to 3 MVA, 11KV and/or undertaken repair/service up to 6 MVA 11kV/33 kV class from the facility indicated by the bidder in support of the condition at (1) above.
3. Should have either Air or Vacuum Drying Chamber of size (H x W x D = 2.1 m x 2.0 m x 2.1 m) or above.
4. Should have suitable Crane facility for undertaking the above jobs.
5. Bidders should meet and submit clear documentary evidence for the criteria mentioned here and along with their Offers.

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Annexure-II**TERMS AND CONDITIONS****TENDER NOTICE No. IPR/ST/TN-03/RF2/06-07 dated March 13, 2007****INSTRUCTIONS TO BIDDERS AND TERMS AND CONDITIONS**

1. The quotation and any order resulting from this tender/enquiry shall be governed by our Conditions of contract and supplier quoting this enquiry shall be deemed to have read and understood the same in toto.
2. Unless specific written acceptance is provided by Stores Incharge, counter terms and conditions, if any, from the bidder shall not be entertained nor deem to have been accepted by us.
3. **Clarifications:** Any technical and commercial clarifications if required pertaining to this Tender/enquiry may be obtained from the Stores Incharge before submitting the tender.
4. Bids shall be complete in all respects and shall include properly filled in prices, other specifications, schedules, etc. as necessary along with the bid covering letter, and submitted in duplicate.
5. **Quotation:** Your quotation superscribing our tender/enquiry No., date, due date and short description of item should be submitted to the Stores Incharge, IPR in a sealed envelope on or before the due date. Late and delayed quotations will not be considered. IPR will not be responsible for postal delays or any other delays in receipt of quotation. Envelopes received without Enquiry Number, date, due date and short description of item may be rejected. The quoted prices should be firm for a period of 120 days from due date for placing order. IPR is not bound to accept lowest rate/s. IPR reserves the right to place order on one or more parties irrespective of whether he is lowest or not.
6. Prices are required to be quoted according to the units indicated in the tender form. When quotations are given in terms of units other than those specified in the tender form, relationship between the two sets of units must be furnished.
7. **Time of completion:** All the above work to be completed in 4-6 weeks time for both the transformer. Bidder should submit a detailed activity time schedule for the entire scope of work.
8. Wherever options are specified in the tender documents, IPR reserves the right to accept any option/s irrespective of whether all the Contractors have quoted for all the options or not. The decision of IPR in this regard will be final.
9. Tender should be free from Correction and Erasures. Corrections, if any, must be attested. All amounts shall be indicated both in words as well as in figures.

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Where there is difference between amounts quoted in words and figures, amount quoted in words shall prevail.

10. IPR shall be under no obligation to accept the lowest or any tender and reserves the right of acceptance of the whole or any part of the tender.
11. **Transportation :** The contractor shall be responsible for arranging transportation of the transformers including the arrangements for its loading and unloading on both occasions of taking and returning the repaired transformer (Please see item No. 7 in the Rate Schedule).
12. **Insurance:** IPR shall arrange for the same as under :
 - a. Transit Insurance: Transit insurance (to and fro) shall be covered in the Open Insurance the Institute has taken with the Insurance Company.
 - b. At Contractor's Shop: The Institute shall separately arrange for insurance of the transformers till the transformers are repaired at the vendor's works. The contractor will be required to intimate the total period of repair work in their shop.
13. **Safe Custody of Transformers during repair:** The contractors shall be responsible for the safe custody of the transformers and returning the same without any damage.
14. **Sales Tax etc.:** We have no "C" or "D" form. The percentage of sales-tax, surcharge, if applicable, and other government levies should be clearly indicated in the tender. In case this is not done claim on these accounts would neither be admissible nor entertained later.
15. **VAT Registration:** You may submit a copy of VAT Registration certificate along with your quotation (if applicable).
16. **Service Tax:** Wherever Service tax is applicable, it should be mentioned clearly. You may indicate percentage of Service Tax in your quotation. The service tax registration number may be mentioned in the quotation.
17. **Octroi:** IPR is located in Gandhinagar District (Gujarat) and hence Octroi is not applicable at present.
18. **Refund of EMD:** EMD of unsuccessful Bidder will be returned after finalizing the Contract and placing Work order. No interim queries in this regard would be entertained
19. **Joint Inspection and Acceptance Reports:** The contractor shall arrange for joint inspection with the Engineer Incharge and shall submit the Inspection cum Acceptance Report. The said Joint Inspection and Acceptance Report shall be the basis for processing payment for the repair of the transformer.
20. **Invoices:** The contractor shall submit invoices in duplicate. The payment would be based on the service reports received at the Stores.
21. **Payment:** Payment will be made within 30 days after completion of satisfactory work. If, however, advance payment is involved, it may be considered only against Bank Guarantee from Nationalised/Scheduled Bank.

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22. **Termination of Contract:** The contract may be terminated provided the services of the contractor is not satisfactory and the contractor fails to fulfill the work related requirement.
23. **Jurisdiction:** The contract/Work Order shall be governed by the relevant Laws of the country for the time being in force. The Courts of Ahmedabad only shall have jurisdiction to deal with and decide any legal implications or dispute arising out of this contract.
24. **Settlement of disputes:** Any disputes or difference arising out of or in connection with this Contract / Work Order shall, to the extent possible, be settled amicably between the parties to this Contract / Work Order.
25. If amicable settlement cannot be reached then all disputed issues shall be settled by arbitration.
26. **Arbitration:** In the event of any dispute or difference arising under this Contract, the matter shall be referred to the Arbitrators one each nominated by the Purchaser and Contractor from their respective organisations. In case the said Arbitrators are not able to settle the dispute by themselves, the matter shall be referred to the Arbitrator mutually nominated by the Institute and the Contractor and the decision of the Arbitrator shall be final and binding on both the parties. The venue of arbitration shall be IPR. Subject to as aforesaid the Arbitration Act, 1940 and the rules thereunder and any statutory modification thereof for the time being in force shall be deemed to apply to the Arbitration proceedings under the Contract arising out of this tender.
27. Late/delayed tenders will not be accepted. Incomplete tenders may be rejected.
28. IPR is not bound to accept the lowest tender. IPR reserves the right to select any contractor at its sole discretion.
29. **Result of the tenders:** Unsuccessful bidders will not be informed of the result of their tenders.
30. IPR reserves the right to place order on a single party or to split the order at its sole discretion.
31. The Director, IPR reserves the right to accept or reject any quotation/tenders fully or partly without assigning any reason.

We agree to the above terms and conditions.

Place:

Signature of Bidder with seal

Date:

Note: A copy of our terms and conditions duly signed should accompany your quotation.

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Annexure - III**EQUIPMENT DETAILS**

Specification Rectifier Transformers :

1. Make / Brand : NGEF, ONAN
2. Name plate details of Transformers : 11 KV/2 x 315V
11100 KVA (Peak), 2000KVA Cont.
3. Weights : Core + Windings = 5.7 Ton.
Weight of Oil = 2.2 Ton.
Quantity of oil = 2500 litres
per transformer
Total Weight = 11 Tons.
4. Quantity : 2 (Two) Nos.

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ANNEXURE - IV

SCOPE OF WORK

Opening, minor servicing, cleaning, tightening, oil filling, shifting of 2 nos. rectifier transformers of 2.0 MVA each at their works or factory.

Work to be carried out.

1. Dismantling the HT, LT connections, conservators, piping connections, accessories, removing the control connections with draining of oil as required.
2. Shifting the transformers to the works/ factory.
3. Opening, un-tanking the active mass (active = wind + core assembly, approx. 6 tons) and putting it down on floor, so that minor servicing work to be carried out. At the same time the empty tank to be cleaned after complete draining of oil.
4. Minor work: Active mass to be cleaned thoroughly by dry air / hot oil spraying, tightening all the connections nut/ bolt core assembly, bus bar connections, applying insulation Kraft paper or press boards where ever as required. All the old gaskets to be replaced by new ones.

(Kraft paper, press boards, gaskets, fevicol gum or equivalent to arranged in advance by the party. All the consumable items shall be included in Bidder's scope)

5. Inspection and minor repair/service work of the active mass shall be followed by vacuum/air drying for the full cycle as per transformer standard. Once the drying cycle will be over it shall be tanked and oil filling to be done.
6. **Repainting:** Repainting shall be done to the transformer body and accessories with synthetics enamel paint of good quality of gray shade.
7. Re-tanking: After finishing the above re-tanking to be done.
8. **Oil filling:** New oil as per IS 335 to be filled. Supply of oil shall be included in the Bidder's scope. (IPR will not supply oil). Old oil will have to be taken back by the party. So party is requested to include the new oil considering the buy back of old oil.
9. Testing: All the routine test to be conducted as per the standard test like ratio test, winding resistance measurement (hv / lv), vector group test, induced voltage test (at 75 %), HV test (75 %) Megger value test. (Megger value to be taken before and after the servicing)

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10. Once the clearance is given after the test, the transformer shall be transported with all the accessories to IPR site
11. At site the transformers shall be unloaded and shifted to the respective foundations. This shall be followed by erection of all accessories.
12. Connections of HT / LT bus duct / cable, control cable connections, top up of oil and associated work to be completed for making ready for the 11 kV switching on.
13. Stage wise inspection: IPR engineer will also witness the following stages.
 - a. Opening the active mass, un tanking
 - b. Minor repair / and inspection
 - c. Air /vacuum drying and tanking
 - d. Oil filling
 - e. Final testing
 - f. Any other stages if required

So the bidder must give the dates for the above well in advance.

Please note that IPR engineer shall be present and witness the activities in the scope and provide consent for proceeding further at different stages.

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ANNEXURE - VI**RATE SCHEDULE**

Name of Party :	
Address :	
Telephone No.	
Fax	
E-mail ID	

We hereby submit our rates as per your Tender Notice No. IPR/ST/TN/03/RF2/06-07 dated March 13, 2007 and the terms and conditions of the tender documents given hereinabove.

Sr. No.	Particulars	Qty.	Rate per unit (Rs.)	Total Amount (Rs.)
1.	Dismantling of the HT, LT Connections and all other accessories, removing the Control Connections Oil Draining and finally reinstallation to our satisfaction	2 Nos.		
	Rate in Words :-			
	Amount in Words :-			
2.	Servicing Charges at shop	2 Nos.		
	Rate in Words :-			
	Amount in Words :-			
3.	Repainting Work	2 Nos.		
	Rate in Words :-			
	Amount in Words :-			
4.	Refill of Oil (please provide rate only)			
	Providing Fresh Oil against buy back of used oil	Rate per litre		
	Rate in Words :-			
	Amount in Words :-			

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5.	Oil Refill Charges	2 Nos.		
	Rate in Words :- Amount in Words :-			
6.	Testing charges	2 Nos.		
	Rate in Words :- Amount in Words :-			
7.	Transportation from IPR to the Works and back to IPR after Repair including loading and unloading charges both at IPR and the contractors shop (total for 2 Nos.)	Lump Sum		
	Rate in Words :- Amount in Words :-			
8.	Other			
	Rate in Words :- Amount in Words :-			
9.	Total of above excluding item No. 4, i.e. Refill of Oil			
	Rate in Words :- Amount in Words :-			

7.	Taxes :		
7a.	Sales Tax / VAT (IPTR does not have "C" or "D" form)		
7b.	Service Tax		
7c.	Other Charges if any		
	(i)		
	(ii)		
	(iii)		
	(iv)		

Date :

(Signature with stamp)