



NORTH EASTERN ELECTRIC POWER CORPORATION LTD.

(A Govt. of India Enterprise)

Ranganadi Hydro Electric Plant

P.O. Ranganadi Project, Dist. Lower Subansiri

Pin – 791 119, Arunachal Pradesh

ISO 9001, 14001, OHSAS 18001

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NOTICE INVITING QUOTATION

NIQ NO RHEP/US&W- 32/2013-14 Dtd. 01/04/2013.

The Under signed on behalf of the Corporation invites Sealed Quotations from the Manufacturer/ Dealer/ Reputed Service center with **120 (One Hundred and Twenty) days** validity for undertaking the **“Repairing works for 1(one) No of 2.5 MVA, 33/11 KV Transformer”** as per the terms and conditions detailed hereunder:

1.0 Details of Transformer to be repaired:

Make: AGROSONS, MIRZAPUR ELECTRICAL INDUSTRIES (TRANSFORMER) PVT. LTD, MIRZAPUR (U.P) INDIA.
Transformer Specification No: IS-2026/1977.

KVA	2500	Type of cooling	ONAN
Volt(HV)	33000	Frequency	50Hz
Volt(LV)	11000	Vector Group	YYO
Amp(HV)	43.74	Wt. Core & Winding(KG)	3000
Amp(LV)	131.2	Weight of Oil(KG)	1390
Phase(HV)	3	Total Weight (KG)	6290
Phase(LV)	3	Quantity of Oil(Ltrs)	1223
Temperature rise of oil	45° C	Diagram No.	MT-20203
Temperature rise by resistance	55° C	Guaranteed Load Loss	23.00 KW
Guaranteed Impedance Loss	6.25%	Actual Load Loss	21.148 KW
Actual Impedance Loss	6.21%	Guaranteed No Load Loss	2.50 KW
Makers Serial No.	32193	Year of Manufacturing	1992
Property	NEEPCO LTD. SHILLONG. presently installed at RHEP, NEEPCO		
Order No.	CE/GP/RG-43/91-92/2724-29. DTD. 18.03.1992.		

2.0 Scope of Works:

2.1 The details of the repairing works are specified below.

1. Dismantling of Transformer Core & winding etc. cleaning of all parts of transformer including core, radiators, tubes, conservator Tank, reassembling of core-coil etc. and other accessories.
2. Making of new H.V. coils with the new insulation & varnishing.
3. Making of new L.V. coils with the new insulation & varnishing.
4. Supply of fresh Transformer oil standard quality as per IS-335/83.
5. Supply of silica jell breather with fresh silica.
6. Supply of Gaskets(Rubber cork sheet)
7. Sundry Items-viz: cover bolts, plug, caps, arcing horns, screw, washer valve, insulation materials, minor repairing of Transformer & other parts which required.
8. Painting of Transformer (Inside & outside) including radiator, conservator etc.
9. Testing of Transformer.

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2.2 The final assessment of the works will be done by our authorised representative after placing of the Transformer at your Factory Works. Any ancillary/ auxiliary works not specified in the above list of works but required for completion of the above works are deemed to be in the scope of the works and are to be carried out by the firm at no extra cost to the Corporation.

2.3 Testing of the repaired transformer shall be carried out in presence of our authorised representative at the bidders Factory site. The Bidder shall inform the undersigned at least seven days in advance of the testing programme to be undertaken.

3.0 Qualifying Requirements:

Interested Bidders must have the following

- i) Documents showing that they are capable to undertake & completed successful repairing works of 33 KV Class Power Transformer having a capacity of 2.5 MVA and above.
- ii) Documents showing that they are financially sound and capable to undertake this work.
- iii) Copies of the Taxpayer Identification Number, VAT registration no and PAN Card.

4.0 Submission of Quotation:

4.1 Interested bidders may download the Bid from the NEEPCO website "www.neepco.gov.in" and submit the same to the Sr. Manager (E/M), US&W along with the requisite documents as mentioned above and EMD, specified hereafter in the terms and conditions. Incomplete bids will be summarily rejected.

4.2 The sealed quotations will be received and opened as per following schedule:

Last Date, time & place of submission of Bid	Date, time & place of opening of Bid
Upto 21st APR'2013 , NEEPCO Transit Camp, 2 nd Floor Green View Hotel (Near Taxi Stand), T.H. Road, North Lakhimpur – 787 001, Assam OR upto 13:00 Hrs of 22nd APR'2013 in the Office of the Sr. Manager(E), US&W, RHEP, NEEPCO Ltd. Yazali, P. O. – Ranganadi Project, Dist: Lower Subansiri Arunachal Pradesh – 791119.	On 22nd APR'2013 at 15:00 Hrs , Office of the Sr. Manager(E), US&W, RHEP, NEEPCO Ltd. Yazali, 43KM Dist: Lower Subansiri Arunachal Pradesh, in presence of bidders or their authorised representative, if there be any.

4.3 In the event of holiday, the tender will be received and opened at the same time in the next working day.

TERMS & CONDITIONS:

1. **RATES:** Rates shall be quoted in English in the format given as **Annexure-I** enclosed along with the NIQ. The rate shall be quoted/ written both in figure & words clearly without any overwriting. In case of any correction/overwriting, the same should be duly signed by the bidder. In case of any discrepancy between the rates quoted in figures and words the rates quoted in words shall prevail. Also in case of any discrepancy between the rate and amount quoted, the rate quoted shall prevail and the amount shall be ascertained accordingly. The rates shall remain firm till the completion of repairing work.
2. **TAX:** Details of taxes & charges shall be mentioned separately in the format as specified above.
3. **EARNEST MONEY DEPOSIT:** Earnest Money @ 1% (one percent) for SC/ST Bidders and @ 2.5% (two & half percent) for others, of quoted value in the form of DD duly pledged in favour of **Ranganadi H. E. Plant, NEEPCO Ltd.**, Yazali should be submitted along with the tender. Our banker is S.B.I., Yazali (RHEP) Branch code – 9917. Earnest Money Deposit submitted by the successful bidder shall be retained as Security Deposit towards satisfactory execution of the work order and will be released after delivery of repaired Transformer to the satisfaction of the Corporation. EMD of unsuccessful bidders shall be released after finalisation of the Tender. All bidders should submit their bank account detail to release the EMD & deposit directly in their bank account

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4. **COMPLETION PERIOD:** The total repairing work should be completed within 30 (thirty) days of placing the Transformer at the Factory Premises of the Bidder. Accordingly the bidder should inform the completion of the repairing works before the stipulated time for carrying out the necessary testing.
5. **TESTING OF TRANSFORMER:** Testing will be done at Bidders factory in presence of our representative without any extra cost to Corporation. Transformer will be dispatch after getting clearance and approving of test certificate from this end. Bidder must inform after readiness of the materials for Testing. Test Certificates and all relevant documents are to be forwarded in triplicate to this office alongwith the Transformer. Pre-despatch Inspection & the following routine tests will be carried out at Bidders works as per **IS:2026**(latest revision) :-
 - a) Load test to confirm Copper Loss.
 - b) No load test to confirm Iron Loss.
 - c) Magnetic Balance test Primary & Secondary side.
 - d) Voltage test / Turns Ratio test on all taps.
 - e) IR values of windings.
 - f) Other test required as per standard of this range
6. **LIQUIDITY CLAUSE:** For delay in completion of the repairing works, Liquidity Damage @ $\frac{1}{2}\%$ (half percent) per week subjected to a maximum of 05% (Five) of total order value shall be applicable.
7. **GUARANTEE:** The repaired Transformer shall be guaranteed for a period of 18 (eighteen) months from the date of receipt of the Transformer or 12 (twelve) months from the date of installation, whichever is earlier. The Guarantee shall be for any defect arising out of the repairing works undertaken, including any supply of materials in the repairing works undertaken.
8. **PAYMENT :** 90 % (Ninety percent) payment will be released after receipt of the repaired transformer in full and in good condition against submission of bill. Balance 10 % (Ten percent) will be kept as Performance Guarantee till the completion of guarantee/Warranty period. OR 100% (Hundred percent) payment will be released after receipt of repaired transformer on submission of **Performance BG** in NEEPCO Format equivalent to an amount of 10% (ten percent) of the total order value. The Payment term is firm and not subjected to any change. The Performance BG will be released after expiry of guarantee period. Payment shall be made through E-payment on submission of bill in triplicate to the consignee.
9. **TRANSPORTATION:-** Rate of transportation from DPH, 43Km, RHEP, Yazali, Arunachal Pradesh, to the factory/workshop of the bidder including loading at 43Km & unloading at their factory/workshop and returned back upto DPH, 43Km, RHEP, Yazali, A.P. should be quoted separately in part - B of Annexure-I. In case of transportation being carried out by the Corporation, the same will be removed from the scope of the work. However loading & unloading of the transformer shall be in the scope of the bidder at their factory/workshop.
10. The Corporation reserves the right to reject any or all of the bids without assigning any reason thereof and is not bound to accept the lowest bid.
11. The Sealed quotations with superscripted NIQ number & Opening date on the envelope should be submitted to the undersigned either by hand or through registered post. The Corporation shall not be responsible for any postal delay in submission of the Quotations.

Sr. Manager (E)
Utility Services & Workshop
RHEP, NEEPCO Ltd., Yazali.

ANNEXURE-I**Name of Work: Repairing of 2.5 MVA, 33/11 KV step down Transformer, SI.No.32193.****Part- (A) Repairing work:**

SL. NO.	ITEMS OF WORK	UNIT	QTY	RATE (in Rs)		AMOUNT (in Rs)	
				Materials	Labour charge	Materials	Labour charge
1.	Dismantling of Transformer Core & winding etc. cleaning of all parts of transformer including core, radiators, tubes, conservator Tank, reassembling of core-coil etc. Modification of Transformer Tank and other accessories.	No.	1				
2.	Making of new H.V. coils with the new insulation & varnishing.	Kg.	780*				
3.	Making of new L.V. coils with the new insulation & varnishing.	Kg.	487*				
4.	Supply of fresh Transformer oil standard quality as per IS-335/83.	Ltr.	1323				
5.	Supply of silica jel breather with fresh silica.	No.	1				
6.	Supply of Gaskets (Rubber cork sheet)	Set.	1				
7.	Sundry Items viz: cover bolts, plug, caps, screw, washer valve, insulation materials, minor repairing of Transformer & other parts which required.	Set.	1				
8.	Painting of Transformer(Inside & outside) including radiator, conservator etc.	No.	1				
9.	Sub Total - 1:						
10.	Less damage leg coils to be retained by the contractor(80% of total HV & LV coils)	Kg.	1014*				
11.	Sub Total - 2:						
12.	VAT 13.5% on Materials.						
13.	Service Tax @ 12.36% on Labour charge.						
14.	Sub Total - 3:						
15.	Grand Total :						

Part- (B) Transportation:

SL. NO.	ITEMS OF WORK	UNIT	RATE (in Rs)	AMOUNT (in Rs)
1.	Transportation from DPH, 43Km, RHEP, Yazali, Arunachal Pradesh, to the factory/workshop of the bidder including loading at 43Km & unloading at their factory/workshop and returned back upto DPH, 43Km, RHEP, Yazali, A.P	**		

NOTE: 1. * the values given above are approximate.

2. ** in case of transportation being carried out by the Corporation, the same will be removed from the scope of the work under transportation.

Signature of the Bidder with seal.