

NESCO

Corporate Office: Januganj, Balasore – 756019, Odisha,
Ph: - 06782 – 269864, Fax No: 06782 – 263259

TENDER DOCUMENTS

FOR

SETTING UP TRANSFORMER REPAIRING WORKSHOP At BALASORE STORE, NESCO

TENDER NOTICE NO.TRW/NESCO/17796, dtd. 23.11.11

- * **The last date of and time of receipt of tenders : 07.12.11 up to 2.0 PM**
- * **Date and time of opening of Technical Bids: 07.12.11 up to 3.30 PM**
- * **Date and time of opening of Price Bids : 09.12.11 at 11.00 AM**

**General Manager (Works)
NESCO, Balasore.**

EXPRESSION OF INTEREST (EOI)

For Setting up Transformer Repairing Workshop

For and on behalf of NESCO, the undersigned invites sealed Tenders/Proposals consisting of Technical & Financial Bids (Two Bids) from reputed Transformer manufacturers having adequate experience in Repairing of Transformer (Different Capacities) for “Setting up Transformer Repairing Workshop” for own burnt transformer at Balasore Store, NESCO. The bidder will supply & install ‘Transformer Repairing Equipments’ as well as deploy ‘Manpower’ for repairing work. NESCO will ensure the materials for the purpose. The tender document along with scope of work will be available from this office during office hours on working days or from the website of NESCO i.e www.nescoorissa.com on payment of Rs.10,000/- (Ten Thousand only) + VAT 4% (non-refundable) in shape of cash/ Bank Draft in favour of NESCO Ltd., Balasore.

The tenders should be accompanied with the EMD of Rs 50,000.00 in shape of Demand Draft/ Bank Guarantee (from any nationalized/ scheduled bank in favour of NESCO Ltd., Balasore. Tenders without the Earnest Money & receipt of tender paper cost will be considered as invalid. This office shall not be held responsible for any postal / courier delay in Submission of the tender document. Fax / website tender shall not be entertained.

* Sale of tender document (during office hrs. & working days): Dt 25.11.10 to
Dt 05.12.11 upto 5.00 PM

* The last date and time of receipt of tenders: Dt 07.12.11 up to 2.00 PM

* Date and time of opening of Technical Bid Dt 07.12.11 at 3.30 PM

* Date and time of opening of Price bid Dt 09.12.11 at 11.00 AM

The undersigned reserves the right to reject any or all tenders & distribute the works among the valid tenderers without assigning any reasons thereof.

GENERAL MANAGER (WORKS)

NESCO, BALASORE

INSTRUCTION TO BIDDERS

1. Tender papers, which are purchased from this office, will be considered subject to attachment of money receipts . Otherwise , the same can be down loaded from website (www.nescoorissa.com) and that should accompany a demand draft of Rs. Rs.10000/- + VAT@ 4% for each group in shape of Bank Draft in favour of NESCO Ltd. ,Balasore within the date of sale of tender documents. Any other form of tender will be rejected.
2. The NESCO may split up the work amongst more than one Tenderer for any particular work. The lowest bid may not guarantee to be offered the whole contract.
3. Sealed Tenders complete with all details i.e technical specification, EMD, statutory clearance & price bid on enclose format is to be submitted to this office on or before ***Dt. 07.12.11 up to 2.0PM*** in double sealed cover super-scribed on each of the cover as ***“Tender Specification against Tender Notice No.TRW/17796 Dtd..23.11.11 due to be opened on Dt. 07.12.11 at 3.0PM & 09.12.11 at 11 AM for technical bid & price bid respectively”***.

Tender shall be submitted in person only. Any other means of delivery shall not be accepted. Tender will be opened in the NESCO, Corporate Office , Balasore on above date & time. Tenders received after due time and date shall not be considered.
4. Telegraphic Tender shall not be accepted under any circumstances.
5. NESCO reserves the rights to reject the highest bidding or any other tender or all tenders without assigning any reason thereof.
6. The tenders should be kept valid for a period of 12 months from the date of opening of the tender.
7. The tenders should be accompanied with the earnest money deposit of Rs 50000.00 in shape of Bank Draft / Bank Guarantee (from a nationalized bank or scheduled Bank) in favour of NESCO Ltd., Balasore . No adjustment towards earnest money deposit shall be permitted against any outstanding amount with NESCO Ltd..Tenders submitted without deposit of EMD shall be rejected.
8. *(i) Earnest money will be refunded to them after the Tender is decided..*
(ii) The Tender not accompanied with earnest money deposit shall be disqualified
iii) The tenderer shall not be qualified in the technical bid , the tender will be out rightly rejected

9. The Tenderers are expected to be fully conversant with the meaning of all the clauses of the specification before submitting their tender. In case of doubt regarding the meaning of any clause may ask for clarification in writing from the undersigned. This, however does not entitle the Tenderer to ask for time beyond due date fixed for receipt of tender.
10. After opening of the tender and within the validity period no reduction or enhancement in offer price by the tenderer will be entertained. On the other hand, it will make the tender liable for rejection. However management reserves the right for negotiation of rates & terms from among the eligible bidders.

Conditional Offers shall not be accepted.

11. The bidders should quote their bids in **computerized or typing** only. No handwritings are allowed. Over writing shall be avoided. In the event of discrepancy or arithmetical error , the decision of the management shall be final & binding on the tenderer.
12. The Tenders should be accompanied with proof of PAN, TIN, CST, VAT Registration Nos. & Service Tax Registration Nos (Copy to be enclosed) failing which the tenders will not be taken into consideration.
13. Recent test certificates copy of instruments by approved laboratory must be submitted.

Sd/-

General Manager (Works)

NESCO, Balasore

SECTION – II
GENERAL TERMS & CONDITION OF CONTRACT

The bidders are requested to submit the tender as per instructions given below. The tenders not prepared as per our terms detailed below are liable for rejection.

1. SCOPE OF WORK: -Bidder will set up “ Transformer Repairing Workshop” for own burnt transformer at Balasore Store, NESCO. The bidder will supply & install ‘Transformer Repairing Equipments’ as well as deploy ‘Manpower’ for repairing work. NESCO will ensure the materials for the purpose. The repairing works shall cover complete replacement of all H.V coils by new ones , replacement / re-insulation of LV coils, replacement of transformer oil, insulation Gaskets, Bolts and Nuts, Breather, Bushings, Studs etc. by new ones with all supply of materials from NESCO. The transformers shall be delivered after complete repair with filling of transformer oil and Routine Tests as per provision laid down in IS:1984.

2. MARKINGS:- You shall fix a name plate on the body of the transformer without removing the original name plate inscribing the following particulars.

- (i) Inscribing TRW, NESCO
- (ii) Date of repairing.
- (iii) Reference to work order No. & Date.
- (iv) Sl.No. of Repair

3. PRICE :- The price quoted should be firm and final. The rate and total should be entered both in figures and words and any correction should be attested under the Seals of the Firm. No revision of rates from that originally quoted will be allowed within the validity period. The rate should be quoted on Job work basis including all taxes and duties as per enclosed technical details in section-IV & Technical bid details in section- III.

4. TAXES & DUTIES :- (i) All other taxes and duties are under the scope of the contractor/ repairing units.

(ii) All payments will be subject to tax deduction at source prescribed under Income Tax Act & Orissa Sales tax Act.

(iii) The bidder shall be responsible for due payment of all applicable taxes, duties, levies changes and expenses with respect to or arising out of performance of this work order.

5. VALIDITY:- The price should be kept valid for a period of 12 months from the date of opening of the tender and the Contract should be kept valid for a period of 12 months from the date of agreement or placement of first Work Order & should be extended subject to satisfactory operation.

6. PAYMENT:- 100% payment will be made within 30 days of submission of bills subject to the following:

- a) Receipt of repairing transformers in good condition and verification thereof.
- b) Satisfactory Inspection Certificate against repair.

7. DEFECT LIABILITY PERIOD:- You have to repair the transformer with free of cost if the same is found defective subsequently within one(1) month of the repair

8. TEST CERTIFICATE:- You are requested to furnish the test certificate in respect of repaired transformers covered in the work order in triplicate to this office at the time of delivery of the consignment for verification & approval thereof.

9. It is purely in your risk to get the transformers repaired within stipulated period as per NESCO requirement.

10. The repairing & depreciation cost of machineries will be borne by you.

11. The Insurance against the workers engaged by you for repairing of transformers will be at your own risk & cost.

12. NESCO will not be held responsible for any deviation/lapsation of engagement of workers for the purpose as per labour Act.

13. INSPECTION & TEST: - The authorized representatives of NESCO shall have the right to inspect the raw materials during the process of repairing at TRW. The burnt transformers will be opened in presence of authorized representative of NESCO on prior intimation. You are required to offer for stage inspection & before doing box-up of the transformers. The stage inspection & final testing will be carried out by the authorized officers of NESCO. All required facilities including recently calibrated (preferably by CEI, Orissa or ETDC, Govt. Of Orissa) instruments shall be provided to our inspecting and testing officer deputed to carry out their job. The following routine tests as applicable to the new transformers by relevant ISS (if any) shall be conducted on the repair transformers by our authorized officers and results approved by this office before issuing release order for dispatch of the transformers.

- i. ~~Measurement~~ Measurement of winding DC resistance at extreme and normal tap positions.
- ii. Measurement of voltage ratio on each tapping & Polarity test and Phase relationship.
- iii. Measurement of Load Losses (Full Load & No Load) including impedance voltage test.
- iv. Insulation resistance test from LV to earth, HT to earth and HV to LV.
- v. One minute separate source voltage withstand test
- vi. Double Voltage Double Frequency test.
- vii. Insulation test of the Oil. (BDV test)
- viii. Magnetic Balance Test.
- ix. Measurement of neutral unbalanced current which shall not exceed 2% of the full load rated current of the transformer.
- x. Induced over voltage withstand test for 60 seconds.

The above tests shall be carried out at TRW. The test results so obtained signed by you and the inspecting officers, shall be sent to Store, Balasore for issue of release order.

14. DESPATCH INSTRUCTIONS: - Despatch instruction shall be issued along with release order.

15. RIGHT TO REJECT/ACCEPT ANY TENDER: - NESCO reserves the right either to reject / accept any or all of Tenders. Orders may also split up between different tenderers on individual merits of the Tenders. The owner has exclusive right to alter the quantities of the materials at the time of placing final work order. It may be clearly understood by the Tenderer that NESCO need not assign any reason for the above action.

16. JURISDICTION OF COURT:- For the purpose of jurisdiction of Court in the event of disputes, if any, this work order shall be deemed to have entered into at Balasore within the State of Orissa and this is hereby expressly agreed that neither party shall be competent to bring a suit as regard to the matter covered by the purchase order of any place outside the state of Orissa.

17. Out Right Rejection of Tenders: - Tenders shall be rejected out right with the following conditions.

- (i) Tenders without NESCO tender document.
- (ii) Non-submission of tender in person or by Registered Post with A.D.
- (iii) Telegraphic submission of tender.
- (iv) Tenders not accompanied by prescribed earnest money deposit.
- (v) Offer price of the tender for less than 12 months.
- (vi) Non-compliance of our stipulated terms & conditions.

General Manager (Works)
NESCO, Balasore

SECTION – III (TECHNICAL BID)

1. The repair work of distribution transformer shall cover complete replacement of all H.V. coils by new ones, re-insulation/replacement of LV coil, replacement of transformer oil, insulation Gaskets, Bolts and Nuts, Breather, Bushings, Studs etc. by new ones. The old HV coils should not be used in the transformer in any manner or shape.

The transformers shall be repaired with first filling of transformer oil & other materials confirming to relevant ISS. The transformer oil should be complied with latest version of IS: 335-1983. The routine tests shall be carried out in accordance with IS:2026

The losses shall not exceed by more than 10% the values given below:

KVA Rating	No-load losses(Watt)	Load losses (Watt)
10	45	205
16(1-Ph.)	50	250
16(3-Ph)	80	475
25	100	685
50	160	940
63	180	1235
100	260	1760
150	320	2400
200	460	2650
250	480	3500
315	520	4450
500	600	6435

3. The tenderer have to submit the details of testing equipments with date of calibration available at their works as per the format enclosed as Annexure- A

4. The Tenders must be accompanied with proof of :-

a) PAN, TIN, CST, VAT Registration Nos. & Service Tax Registration Nos.,

failing which the tenders will not be taken into consideration(Copy to be enclosed)

b) Copy of recent test certificates copy of instruments by approved laboratory must be submitted.

c) Details of plant & machinery at workshop along with capacity of various machines.

- d) Details of available man power.
- e) Experience in similar/ related job along with proof.
- f) Details of heat chamber, provision for overhead chain pulley and other loading & unloading arrangements.
- g) Annual turn over for last three years i.e 2009-10,08-09,07-08 along with proof.
(Audited balance sheet & I.T return u/s 44AB of IT Act,1961)
- h) Copy of valid HT License .
- i) Copy PF,ESI registration certificate.
- j) Up to date income tax and sale tax clearance certificates.
- k) Copy of valid labour license issued by an appropriate authority.
- k) Probable date for starting up the workshop.

General Manager (Works)
NESCO,Balasore.

Annexure- A

LIST OF TESTING EQUIPMENTS

Sl. No.	Item	Make of the testing machine with Sl. No.	Capacity	Date of last Calibration	Agency for Calibration	Due date of next Calibration
1	(0-80) KV, 100 mA high voltage testing Kit.		(.....) KV, (.....) mA			
2	Double voltage double frequency testing set (Motor-Generator) set.		Motor.....HP. Generator.....H P			
3	Micro ohm meter		(.....mΩ to.....kΩ)			
4	Insulation testing equipment (Megger)		(.....) KV, (0 to) MΩ			
5	Oil BDV testing kit		(0 to) KV			
6	Ratio meter					
7	Automatic voltage regulator(AVR)		(0.....) A			
8	3 Nos. Wattmeters					
9	3 Nos. Voltmeters					
10	3 Nos. Ammeters					
11	Clamp on meters		(0 to.....)A, (0 to....)V			

Specify other testing equipments if any

SECTION – IV (PRICE BID)

The bidder should quote their rates of following items require for repair of different capacity of burnt distribution transformer.

1) Price break up for :

I) Aluminum Wound Transformer (CRGO core)

Sl. No.	Capacity	Unit	Repairing Cost	Service Tax@10.3%	Total Amount in Rs.
1	10KVA, 11/0.25 KV	Each			
2	16 KVA, 11/0.25 KV	Each			
3	16 KVA, 11/0.4 KV	Each			
4	25 KVA, 11/0.4 KV	Each			
5	50 KVA, 11/0.4 KV	Each			
6	63 KVA, 11/0.4 KV	Each			
7	100 KVA, 11/0.4 KV	Each			
8	150 KVA, 11/0.4 KV	Each			
9	200 KVA, 11/0.4 KV	Each			
10	250 KVA, 11/0.4 KV	Each			
11	1.6 MVA 33/11 KV	Each			

II) Aluminum Wound Transformer (Amorphous core)

Sl. No.	Capacity	Unit	Repairing Cost	Service Tax@10.3%	Total Amount in Rs.
1	10KVA, 11/0.25 KV	Each			
2	16 KVA, 11/0.25 KV	Each			

2) Price break up for Copper Wound Transformer (CRGO core)

Sl. No.	Capacity	Unit	Repairing Cost	Service Tax@10.3%	Total Amount in Rs.
1	10KVA, 11/0.25 KV	Each			
2	16 KVA, 11/0.25 KV	Each			
3	16 KVA, 11/0.4 KV	Each			
4	25 KVA, 11/0.4 KV	Each			
5	50 KVA, 11/0.4 KV	Each			
6	63 KVA, 11/0.4 KV	Each			
7	100 KVA, 11/0.4 KV	Each			
8	150 KVA, 11/0.4 KV	Each			
9	200 KVA, 11/0.4 KV	Each			
10	250 KVA, 11/0.4 KV	Each			
11	1.6 MVA 33/11 KV	Each			

General Manager (Works)
NESCO, Balasore

BID SECURITY FORM

Whereas [Name of the Bidder], (hereinafter called “the Bidder”) has submitted its bid dated [date of submission of bid] for repair / maintenance of [name and/or description of the goods], (hereinafter called “the Bid”).

KNOW ALL PEOPLE by these presents that WE, [name of bank] having our registered office at[address of bank] (hereinafter called “the Bank”), are bound unto [name of the Distco.] (hereinafter called “the Owner”) in the sum of for which payment well and truly to be made to the said Owner, the Bank binds itself, its successors, and assigns by these presents. Sealed with the Common Seal of the said Bank this day of 20..... .

THE CONDITIONS of this obligation are:

1. If the Bidder

- (a) Withdraws its Bid during the period of bid validity specified by the Bidder on the Bid Form; or
- (b) Does not accept the correction of errors in accordance with the Bid Specification or

2. If the Bidder, having been notified of the acceptance of its Bid by the Owner during the period of bid validity;

- (a) fails or refuses to execute the Contract Form, if required; or
- (b) fails or refuses to furnish the Earnest money , in accordance with the Bid Specification;

We undertake to pay to the Owner up to the above amount upon receipt of its first written demand, without the Owner having to substantiate its demand, provided that in its demand the Owner will note that the amount claimed by it is due to it, owing to the occurrence of one or both of the two conditions, specifying the occurred condition or conditions.

This guarantee will remain in force up to(twelve months from the opening of the bid / Specification Date) and any demand in respect thereof should reach the Bank not later than the above date.

(Signature of the Bank)

Note: This shall be executed on a Rs. 50/- non –judicial stamp paper issued by a Scheduled Bank.by domestic Bidders only.

