

**OFFICE OF THE SUPERINTENDING ENGINEER**  
**ELECTRICITY WORKSHOP CIRCLE**  
**PASCHIMANCHAL VIDYUT VITRAN NIGAM LIMITED**  
**VICTORIA PARK, MEERUT - 250001**

e-mail id : sewsmrt@gmail.com  
Mobile: 9193301250

**SHORT TERM E-TENDER SPECIFICATIONS/DOCUMENTS**

1. E-Tender No. : **35/E. Workshop C./MRT/2023-24**
2. Last Date of Online Submission : **30.09.2023** - 14.00 hrs
3. Due date of opening. (Part-I) : **30.09.2023** - 16.30 hrs
4. Price of Tender fee : **Rs. 3540.00 (Rs. 3000.00 +18% GST) (Though NEFT/RTGS only)**
5. Earnest money : **Rs. 26500.00 (Through NEFT/RTGS only)**
6. Description of Work. : (i) Supply of Semi-Automatic Digital Oil Breakdown Voltage Tester VOT- 100E and all specification as per approved GTP. (ii) Supply of Automatic Transformer Turns Ratio Meter and all specification as per enclosed GTP. (iii) Supply of Hand Driven generator type insulation tester (Megger) Conforming to IS: 2992, 1987(with latest Amendment if any) and all specification as per enclosed GTP. (iv) Supply of Digital Display Multi-Function 0-1000 Amp. AC Clamp Meter Having large Jaw in size including auto Power off and data hold function facility Complete with its testing lead and battery. and all specification as per enclosed GTP. (v) Supply of Foot Operated Shearing Machine including Blade set, suitable for cutting of Press board from 1 mm thick up to 3mm thick, size 1200 mm and all specification as per enclosed GTP.
7. Estimated Cost : **Rs. 26.29 Lacs**

**Bank Account Detail:**

**Executive Engineer, Electricity Workshop Division, Meerut.**

**Bank A/C No: 1403900519, IFSC Code: CBIN0282337**

**Central Bank of India, Jail Chungi Branch, Meerut.**

**The details of aforesaid E-Tender can be had in following enclosed Annexure- I to XI**

1. Check List (Annexure- I)
2. General Instructions to Tenderers (Annexure- II)
3. Tender Performa (Annexure- III,IV,V,VI)
4. Performa of Deviations ( Annexure – VII)
5. Prequalifying Conditions (Annexure-VIII)
6. Technical specification (Annexure-IX)
7. Price Schedule(Annexure-X)

**Superintending Engineer**

नोट :-निविदाकार द्वारा प्रत्येक निविदा हेतु वांछित धरोहर राशि एवं निविदा मूल्य अलग-अलग (अप्रतिदेय), फर्म के नाम चालू खाते से ही RTGS/NEFT के माध्यम से ही अधिशासी अभियन्ता, विद्युत कार्यशाला खण्ड, मेरठ के नाम से सैन्ट्रल बैंक ऑफ इण्डिया की जेल चुंगी, मेरठ स्थित बैंक शाखा में संचालित चालू बैंक खाता सं० 1403900519 (IFSC Code CBIN0282337) में जमा कराया जाना अनिवार्य है। IMPS के माध्यम से जमा धनराशि मान्य नहीं होगी। IMPS द्वारा जमा की गई धनराशि अथवा सयुक्त रूप से जमा की गई (निविदा शुल्क एवं धरोहर राशि) राशि को निविदा शुल्क मानते हुये उक्त जमा राशि को जब्त कर लिया जायेगा। निविदाकार द्वारा निविदा भाग-1 (निविदा/धरोहर राशि एवं तकनीकी बिड), निविदा भाग-2 (प्राइजबिड) निविदा खुलने की निर्धारित तिथि एवं समय तक, ई-टेंडरिंग वेबसाईट [www.etender.up.nic.in](http://www.etender.up.nic.in) पर अपलोड की जा सकेगी। निविदा भाग-1 (निविदा शुल्क एवं धरोहर राशि) निर्धारित दिनांक एवं समय पर वेबसाईट [www.etender.up.nic.in](http://www.etender.up.nic.in) पर खोली जायेगी तथा उसमें निविदाकार अर्ह पाये जाने के उपरान्त ही उक्त निविदाकार की तकनीकी बिड खोली जायेगी। निविदा प्रपत्र खोलने वाले दिवस को अवकाश होने की स्थिति में उक्त निविदाएं अगले कार्यदिवस में खोली जायेगी। अधोहस्ताक्षरी द्वारा किसी भी निविदा को स्वीकार/अस्वीकार करने या समस्त निविदाओं को या उसके किसी भाग अथवा अपूर्ण निविदाओं को निरस्त करने का अधिकार सुरक्षित है।

**Check List for Documents to be upload in Part-Ist (Prequalifying Condition)**E-Tender No : **35**/EWC-MT/2023-24

| Sl. | Description  | Yes/No | Uploaded on page No. |
|-----|--|--------|----------------------|
| 1   | Required Tender Cost deposited in desired Bank Account and its UTR Detail Uploaded.  |        |                      |
| 2   | Required Earnest Money deposited in desired Bank Account and its UTR Detail Uploaded.  |        |                      |
| 3   | Copy of GST registration certificate (Provisional Certificate shall not be accepted)   |        |                      |
| 4   | Copy of PAN card   |        |                      |
| 5   | Copy of (AY-2022-23, FY 2021-22)/ latest Income Tax Return Acknowledgement.  |        |                      |
| 6   | Under taking for Not black listed/debarred from business in any Govt./Semi Govt./PSU/local Bodies etc. as per (Annexure-VI enclosed) on Rs. 10.00 non judicial stamp paper (Stamp paper should be not older than 6 months from the Ist. Date of Opening of part-I of this Tender on E-Tender Website <a href="http://etender.up.nic.in">http://etender.up.nic.in</a> ). Above Under taking for the tender should be the current date (primarily after the date of floating the tender).  |        |                      |
| 7   | Declaration as per (Annexure-V enclosed) about proposal in response to the above invitation shall not be withdrawn within 120 days from the date of opening of Part-I of this Tender on Rs. 10.00 non-judicial stamp paper. (Stamp paper should be not older than 6 months from the Ist. Date of Opening of part-I of this Tender on E-Tender Website <a href="http://etender.up.nic.in">http://etender.up.nic.in</a> ). Above Declaration for the tender should be the current date (primarily after the date of floating the tender)   |        |                      |
| 8   | The bidder should have a minimum average annual turnover (MAAT) (100% of Estimated cost) per annum for the best three financial years out of the last five financial years. The audited balance sheet / CA's certificate with UDIN Number shall be enclosed in support of above failing which the bid shall not be considered.   |        |                      |
| 9   | The tenderer shall either themselves be manufactures of similar or higher rating having similar manufacturing process or accredited representatives of such manufactures with similar or high rating. Relevant documents are to be enclosed.   |        |                      |
| 10  | <p>The bidder should have successfully executed order for similar item (Transformer Testing Equipments used in Electricity Workshops) used for transformer repairing or higher rating(Similar items) in last Five year as prime contractor in Govt/ Semi Govt. Organization from the date of opening of bid part-I. (Agreement/Order are to be enclosed )</p> <p>1- Bidder have successfully executed order for supply of similar item (Transformer Testing Equipments used in Electricity Workshops) used for transformer repairing or higher rating(Similar items) in single order having minimum order value 80% of estimated cost.</p> <p>or</p> <p>2- Bidder have successfully executed order for supply of similar item (Transformer Testing Equipments used in Electricity Workshops) used for transformer repairing or higher rating(Similar items) in maximum two order having minimum order value 50% of estimated cost.</p> <p>or</p> <p>3- Bidder have successfully executed order for supply of similar item (Transformer Testing Equipments used in Electricity Workshops) used for transformer repairing or higher rating(Similar items) in maximum three order having minimum order value 40% of estimated cost.</p> |        |                      |

In Case of Firm's is a Limited Company / Pvt. Limited Company/ Partnership Firm or Authorized signatory is different from Firm's Proprietor. Tenderer has to submit a valid Board Resolution, Partnership deed & Singing Authority letter, Power attorney with tender document, failing which Bid Part-II (Price Bid) will not be opened of such Tenderer.

Tenderer Signature  
with Seal

**TO BE SUBMITTED BY THE CONTRACTOR DULY SIGNED**

**TENDER INSTRUCTION**

Tenderers are requested to go through the instructions carefully and furnish complete information, along-with their tender offer, failing which their offers may not be considered at all tenders shall be received in two parts (Part-I–Tender Cost, Earnest Money, Technical Bid, Pre qualifying conditions )& Part-II–Price Bid) will be filled up in E-Tender Website "<http://etender.up.nic.in>"

1. **TENDER COST, EARNEST MONEY, TECHNICAL BID.PRE QUALIFYING CONDITIONS (TENDER BID PART-I) :-**

Required Documents as per pre qualifying conditions will be uploaded in pdf. format. In the absence of said information/documents, the part-II of the tender will not be opened at all.

2. **(TENDER BID PART-II ,PRICE BID) :-**

Tender Part-II (Price Bid) will be uploaded in excel file format after fill up the rates and G.S.T. Percentage. Incomplete Excel Sheet, i.e. not filled up the rate or G.S.T. Percentage the tender part–II (Price Bid) will be rejected.

3. The tender shall be uploaded on E-Tender Website <http://etender.up.nic.in>
4. The tenders will be opened by the Superintending Engineer with other Nominee in this office at specified date and time. In case the tender opening date is holiday, the date of opening of tender will stand extended to next working day.
5. The conditions of Standard Form A & B of UPPCL applicable against this tender.
6. Superintending Engineer, Electricity Workshop Circle, Meerut reserves the right to reject any tender or all the tenders or part thereof without assigning any reason thereof.
7. The purchaser does not pledge to accept the lowest tender and reserves that right to accept any tender or reject any/all the tender(s) without assigning any reasons.
8. All material which will be provided by the contractor, issued used in the repairing of the equipment shall be of best quality and shall be confirming to relevant ISS/BSS mentioned in this tender.
9. The successful tenderers are required to execute an agreement on Non-judicial stamp paper of Rs. 100.00 along within 7 days from the date of issue of regd. Notice and if the firm fails to do so this Earnest Money will be forfeited and works can be assigned to other participant of the tender.
10. Material, which will be provided by the contractor, shall be inspected by an authorized officer/team to be deputed by the Purchaser/Department.
11. Supply order/Contract will be awarded on basis L-1 Rates of Tendered items of the tender (in Condition Tendered material item is not a sub part of other tendered item) on the discretion of SE, EWC, Meerut.
12. The tenderers are requested to make themselves fully conversant with the job requirement and technical specification and general conditions of the contract as per Form 'A & B of UPPCL.
13. If the tenderer fails to completion of job within stipulated time a penalty at the rate of 0.5% per week or part thereof subject to maximum 10% will be deducted from his bill as per terms and conditions laid down in Form 'A & B of UPPCL.
14. The contractor shall be responsible for any damage loss and breakage during execution of work.
15. For any further Clarification. tenderers can contact to the Superintending Engineer, Electricity Workshop Circle, Meerut No subsequent representation of ground of any sort of misunderstanding will be entertained.
16. In the event of unsatisfactory performance/progress of work as may be determined by the Superintending Engineer, Electricity Workshop Circle, Meerut The agreement will be terminated without any notice and security will be forfeited.
17. Successful Contractor has to provide petty items under the scope of work of standard/reputed manufactures confirming to relevant ISS norms.
18. The successful tenderer will be required to enter into an agreement as per General Condition of contract Form A & B of UPPCL. All the documents submitted in connection with the tender shall also be part of contract.
19. However, if there is tolerance on negative side within the permissible limit of the specified standard, and it does not make any difference in the performance of the material to be decided purchaser only the proportionate reduction in prices shall be done by the consignee.
20. Payment shall be made after receipt and satisfactory checking of material at site as per conditions of Form 'B'. No interest shall be paid for delayed payments, whatsoever the delay may be.
21. The Supply/Contract may be awarded to more than one Firm on the basis of L-1 Rate on the discretion of SE, EWC, Meerut.
22. Purchaser, on his discretion, may send and randomly selected sample from the supplied lot for any/all testing as per technical specification / ISS in any of the NABL accredited lab. The result of such tests shall be final and binding on both the purchaser & Supplier.

**Signature of Tenderer  
with Seal**

**PART-I**  
**TENDER PROFORMA**  
**(To be filled in by the Tenderer)**

**IMPORTANT INSTRUCTIONS TO TENDERERS**

Your tender shall not be considered if you fail to submit the Performa duly filled up Replies should be completed without ambiguity and covering letters etc. shall not be acceptable. You may however, attach extra If the space provided is not sufficient.

| S.No. | Particulars  |   |  |
|-------|--|---|--|
| 1.    | Specification No. against which you are tenderer.  | : |  |
| 2.    | Amount of tender cost (with detailed of R.T.G.S./N.E.F.T)  | : |  |
| 3.    | Amount of earnest money (with detailed of R.T.G.S./N.E.F.T.)   | : |  |
| 4.    | Are you registered with U.P. Power Corporation Ltd., if so state the letter reference of Board vide which you are registered   | : |  |
| 5.    | Year since which the manufacturing has started for production of item tendered.  | : |  |
| 6.    | What is the validity period of your tender? State clearly in days/months   | : |  |
| 7.    | Do you confirm that the prices are firm in all respect (Answer Yes/No)   | : |  |
| 8.    | Quantity offered (if there are two or more items, state quantity separately with unit).  | : |  |
| 9.    | Do you agree to all the conditions of the tender specification and, if not state the modifications clearly which you would desire in the General conditions of Contract Form 'A' (It may please be noted that it shall be entirely at the description of the modification proposed). | : |  |
| 10.   | Please state clearly (Answer Yes/No) if you would accept the order if modification in form 'A' is not acceptable to the corporation without imposing any further conditions.   | : |  |
| 11.   | Name and detailed address of authorized representative to represent your firm against this tender (Proprietor / Partner / Directors).  |   |  |
|       | a) Name of Representative / Proprietor / Partners / Directors  | : |  |
|       | b) Address   | : |  |
|       | c) Mob. No.  | : |  |
|       | d) E-mail Address  | : |  |
| 12.   | a) G.S.T. Registration No.   | : |  |
|       | b) Copy of latest Income Tax Clearance   | : |  |
|       | Certificate may be attached.   |   |  |
| 13.   | Give the reference who can certify your financial status and capability to status and capability to undertake such work. One of the references should be from a Scheduled Bank of India.   | : |  |
| 14.   | In case of works tenders, the details of technical persona along with their technical qualification as well as proof thereof should be attached.   | : |  |
| 15.   | Do you confirm that there are no typographical errors/omissions in your tender and all other documents forming part of the tender (Answer Yes/No)  | : |  |

Signature of Tenderer  
With Stamp

**SHORT TERM E-T.No. 35/E. Workshop C./MRT/2023-24**

M/s.....  
.....  
.....

To,  
**The Superintending Engineer,  
Electricity Workshop Circle  
PVVNL, Meerut.**

Dear Sir,

With reference to your tender for the above work, I/We offer to submit our proposal having rates for site, erection at site in the schedule annexed or such portion thereof, as you may determine in strict accordance with the terms, conditions and instructions to the tenderer and conditions of the tender and sale contained in Part-1 of the above referred tender to the satisfaction of the seller or in default thereof to forfeit to and pay to PVVNL, the sum of money mentioned in the said conditions.

**THE RATES QUOTED ARE NET AND FIRM AND IN FULL SATISFACTION OF ALL CLAIMS. I/WE AGREE TO ABIDE BY THIS TENDER FOR THE PERIOD OF 120 DAYS FROM THE DATE OF OPENING OF BID PART-1.**

A sum of Rs..... in the form of RTGS/NEFT from the Firm,s Current Account having UTR no. ....dt..... vide ..... (Name of Bank) as tender cost has been deposited in the **Executive Engineer, Electricity Workshop Division, Meerut. Bank A/C No: 1403900519, IFSC Code: CBIN0282337 Central Bank of India, Jail Chungi Branch, Meerut.** The proof of the same has been annexed with the bid proposal. A sum of Rs. .... in the form of RTGS/NEFT having UTR no. ....dt.....vide ..... (Name of Bank) as earnest money. The proof of the same has been annexed with the bid proposal, the full value of which shall be retained by the PVVNL on account of earnest money security deposit specified in the said condition of contract.

I/we hereby undertake and agree to execute a contract in accordance with the said 'Terms, Conditions & Instruction to the Tenderer of the tender bid specification.

**Firm RTGS Details:-**

The details of the funds (earnest money/Tender Fees) given by the firm in the present tender, are deposited in the departmental account, as mentioned herein under:-

**Firm current account number-**

**Name of Bank with address:-**

**IFSC code of the branch-**

**Amount:- Rs. .... & head (EMD/Tender Cost)**

**UTR no.-**

Yours faithfully,

**Signature of the Tenderer  
(With complete address & Seal)**

**NOTE: Please note that no money transfer through IMPS transaction will be accepted at all.**

Note :- (This Declaration is to be enclosed in tender bid part-I)

**Part-1**  
**DECLARATION**

**(To be executed on a Rs. 10.00 non-judicial stamp paper)**

Tender Invited by:- Superintending Engineer, EWC, PVVNL, MEERUT.

Tender for:-

From:-

Name of Tenderer:-

Specification no.:- **SHORT TERM E-T.No. 35/E. Workshop C./MRT/ 2023-24**

Date of opening of bid part-I:-

IN CONSIDERATION of the EWC,PVVNL, Meerut having treated the tenderer to be an eligible bidder whose tender may be considered, the tenderer hereby agrees to the condition that the proposal in response to the above invitation shall not be withdrawn by us within **120 days** from the date of opening of the tender (or any extension there of), also to the condition that if thereafter the tenderer does withdraw his proposal within the said period, the earnest money deposited by them may be forfeited by the PVVNL and at the discretion of the purchaser. The purchaser may debar the tenderer from tendering for a minimum period of one year reckoned from the date of opening of the tender.

Signed this ..... day of .....2023

Place:

Signed by

**State title whether Proprietor/Partner**  
**(With complete address & Seal)**

**Part-1**  
**DECLARATION**

(To be executed on a Rs. 10.00 non-judicial stamp paper)

**Undertaking/Declaration by the bidder**

Tender Invited by:- Superintending Engineer, EWC, PVVNL, MEERUT.

Tender for:-

Name of Tenderer:-

Specification no.:- **SHORT TERM E-T.No. 35/E. Workshop C./MRT/ 2023-24**

**(A) "Regarding Conflict of Interest"**

I.....Sole Proprietor / partner / Director of M/s.....  
under take that I am not interested as a proprietor and/or partner and/or Director in any other party/firm,  
participated in above Tender.

**(B) "Regarding black listing/Debarring of the firm"**

We hereby undertake and submit the declaration that our firm/company is not debarred/blacklisted by any agency or department of Government of Uttar Pradesh/ any other state government / Government of India including State public sector Undertakings or central public sector undertakings during the period of last Five years. As on bid submission date, there is no black listing proceeding or debar for participating in bidding by any State Government or Government of India or their departments or PSUs. My/Our Firm/ Company is/are not involved in any illegal activity and/or not sheeted for any criminal act of theft and/or diverting fertilizers for industrial use or any other essential commodity during last five years.

In case, at any stage if the above declaration is found false or incorrect, the SE, EWC, Meerut shall be free to take any punitive / legal action against us, as may be deemed fit , which shall be acceptable / binding on us and the consequences shall be to our account.

**(C) "Regarding information/details Given"**

I, .....sole proprietor / partner/ Directors of M/s .....is giving  
undertaking that details given are correct to the best of my knowledge and I agree to abide by all your tender/order  
terms and conditions.

That I further undertaking that in case any of the facts sworn in as mentioned above and any particulars mentioned in our application is found other-wise or incorrect or false at any stage, Beside, Govt. Deptt./Govt. Nigam/Govt. Boards shall be entitled to take all such actions as may be deemed fit including termination of Contract, if awarded, without any claim for any compensation whatsoever on account of such premature closure of the contract.

I know that to swear a false affidavit is a crime under the law and with such knowledge only I have swear this affidavit.

Signed this ..... day of .....2023

Place:

Signed by

**State title whether Proprietor/Partner  
(With complete address & Seal)**

(To be filled & submitted by the Tenderer in E-Tender Bid Part –I)

DEVIATIONS FROM TERMS AND CONDITIONS OF E-TENDER DOCUMENT/ FORM A/B & OTHER TERMS & CONDITIONS OF UPPCL/P.V.V.N.L.

AGAINST **SHORT TERM** TENDER NO. **35**/E. Workshop C./MRT/ **2023-24**

I/We the undersigned have carefully examined {The General Conditions of contract form A and other terms & conditions of the tender specification} and I/We hereby confirm that all the terms & conditions contained in form A and other terms and conditions of tender specification under reference are acceptable to me/us with the following deviations :

| Sl. No. | Description of Clause No. etc.  | Stipulated in UPPCL/ P.V.V.N.L. specification | Deviation offered | Remark, if any |
|---------|---|---|-------------------|----------------|
| 1       | 2   | 3   | 4                 | 5              |
|         | <p style="text-align: center;"><b>No Deviation allowed in enclosed GTP Specification.</b></p> |   |                   |                |

**Signature of contractor with seal**

**Date**

**Place:**

**Address:**



**Short Term E-Tender No. 35/E. Workshop C./MRT/2023-24**

Tenderers are requested to go through the instructions carefully and furnish complete information, alongwith their tender offer, failing which their offers may not be considered at all tenders shall be received in two parts {Part-I (Tender Cost, Earnest Money & Technical Bid, pre qualifying Conditions) and Part-II–Price Bid} will be filled up in E-Tender Website <http://etender.up.nic.in>

- Tenderer shall upload following documents on e-tender portal [www.etender.up.nic.in](http://www.etender.up.nic.in) using his digital signature.
- The bidders have to fulfil following minimum conditions of experience and financial competence in order to qualify for consideration this tender:
- The Tender submissions of bidders, who do not qualify the minimum eligibility criteria, is liable to be rejected and shall not be considered for further evaluation.
- **JV(Joint Venture) is not allowed.**
- निविदाकार को निविदा के भाग–प्रथम में अधोलिखित Pre-Qualifying Conditions के अनुसार प्रपत्र E-Tender Website <http://etender.up.nic.in> पर Upload करना आवश्यक होगा। उक्त प्रपत्र मण्डल कार्यालय में physical रूप में स्वीकार नहीं किये जायेंगे। उक्त निविदा का ( Price Bid), केवल उन्हीं फर्मों को खोला जायेगा, जो अधोलिखित Pre-Qualifying Conditions में अर्ह करेगी।

**1- Eligibility Criteria/Pre-Qualifying Conditions for Part-I****a. Tender Cost, Earnest Money & Technical Requirement:-**

- (i) Copy of RTGS/NEFT Bank Receipt on a/c of Tender Cost in single transaction from the Firm,s Current Account which shall be deposited in the current bank A/c. of Executive Engineer, Electricity Workshop Division, Meerut through RTGS/NEFT in Bank A/c No. 1403900519, IFSC no. CBIN0282337, Central Bank of India, Jail Chungi, Meerut.
- (ii) Copy of RTGS/NEFT Bank Receipt on a/c of Earnest Money in single transaction from the Firm,s Current Account which shall be deposited in the current bank A/c. of Executive Engineer, Electricity Workshop Division, Meerut through RTGS/NEFT in Bank A/c No. 1403900519, IFSC no. CBIN0282337, Central Bank of India, Jail Chungi, Meerut.
- (iii) The bidder should have a valid G.S.T Registration. (Provide copy) Provisional Certificate not be accepted.
- (iv) The bidder should have a valid PAN card copy. (upload copy)
- (v) Copy of (AY-2022-23, FY 2021-22)/ latest Income Tax Return Acknowledgement.
- (vi) Under taking for Not black listed/debarred from business in any Govt./Semi Govt./PSU/local Bodies etc. as per (Annexure-VI enclosed) on Rs. 10.00 non judicial stamp paper (Stamp paper should be not older than 6 months from the Ist. Date of Opening of part-I of this Tender on E-Tender Website <http://etender.up.nic.in>). Above Under taking for the tender should be the current date (primarily after the date of floating the tender. Declaration as per (Annexure-V enclosed) on Rs. 10.00 non-judicial stamp paper about proposal in response to the above invitation shall not be withdrawn within 120 days from the date of opening. (uploading copy mandatory)
- (vii) Declaration as per (Annexure-V enclosed) about proposal in response to the above invitation shall not be withdrawn within 120 days from the date of opening of Part-I of this Tender on Rs. 10.00 non-judicial stamp paper. (Stamp paper should be not older than 6 months from the Ist. Date of Opening of part-I of this Tender on E-Tender Website <http://etender.up.nic.in>). Above Declaration for the tender should be the current date (primarily after the date of floating the tender)
- (viii) The bidder should have a minimum average annual turnover (MAAT) of Rs. 26.29 Lacs (100% of Estimated cost) per annum for the best three financial years out of the last five financial years. The audited balance sheet / CA's certificate with UDIN Number shall be enclosed in support of above failing which the bid shall not be considered. (uploading copy mandatory )
- (ix) The tenderer shall either themselves be manufactures of similar or higher rating having similar manufacturing process or accredited representatives of such manufactures with similar or high rating. Relevant documents are to be enclosed.
- (x) The bidder should have successfully executed order for similar item (Transformer Testing Equipments used in Electricity Workshops) used for transformer repairing or higher rating(Similar items) in last Five year as prime contractor in Govt/ Semi Govt. Organization from the date of opening of bid part-I. (Agreement/Order are to be enclosed )

----2----

- 1- Bidder have successfully executed order for supply of similar item (Transformer Testing Equipments used in Electricity Workshops) used for transformer repairing or higher rating(Similar items) in single order having minimum order value 80% of estimated cost.  
or
- 2- Bidder have successfully executed order for supply of similar item (Transformer Testing Equipments used in Electricity Workshops) used for transformer repairing or higher rating(Similar items) in maximum two order having minimum order value 50% of estimated cost.  
or
- 3- Bidder have successfully executed order for supply of similar item (Transformer Testing Equipments used in Electricity Workshops) used for transformer repairing or higher rating(Similar items) in maximum three order having minimum order 40% of estimated cost.

In Case of Firm's is a Limited Company / Pvt. Limited Company/ Partnership Firm or Authorized signatory is different from Firm's Proprietor . Tenderer has to submit a valid Board Resolution, Partnership deed & Singing Authority letter, Power attorney with tender document, failing which Bid Part-II (Price Bid) will not be opened of such Tenderer.

Signature of Tenderer  
With Seal

अधोहस्ताक्षरी को उपरोक्त ई-निविदा में निविदाकार द्वारा अपलोड किये गये प्रमाण पत्रों, अनुबन्ध/कय/कार्य आदेश की प्रति एवं अन्य अभिलेखों को, उक्त के निर्गतकर्ता को प्रेषित कर, सत्यापित कराने अथवा निविदाकार फर्म से उक्त प्रमाण पत्रों, अनुबन्ध/कय/कार्य आदेशों आदि की मूलप्रति सत्यापन हेतु माँगने का पूर्ण अधिकार सुरक्षित है।

1. **Tender Bid Part- II (Price Bid):** It shall contain Price Bid only and shall be uploaded on [www.etender.up.nic.in](http://www.etender.up.nic.in). Tender Part-II (Price Bid) will be uploaded in excel file format after fill up the rates and G.S.T. rate in Percentage. Incomplete Excel Sheet, ex. not filled up the rate or G.S.T. Percentage the tender part-II (Price Bid) will be rejected.
2. **Important Note:** Tender Bid Part-II of only those firms shall be opened which comply by uploading of desired documents of Part-I (Packet I & II in E-Tender of the Bid. i.e. part-II of those firms which fail to submit the above records shall not be considered.
3. The tenders will be opened by the Superintending Engineer with other Nominee in this office at specified date and time. In case the tender opening date is holiday, the date of submission and opening of tender will stand extended to next working day.
4. **DELIVERY:-** The Supply shall commence within the time agreed by the contractor and the Engineer of the contract. The tenderer shall clearly state the earliest period when he can complete Supply and guaranteed completion period. The contractor shall take up the supply and shall complete the same by the time mutually agreed.
5. **QUALITY OF MATERIAL:-** All material supplied by the contractor shall be of best quality and shall be confirming to relevant ISS/BSS. Raw material used for manufacturing of items should be best quality/High standard.
6. **SECURITY:-** The tenderer whose offer is accepted shall deposit security in favor of Executive Engineer, Electricity Workshop Division, Meerut for the faithful performance of the contract to the sum not being less than 10% of the total value of contract in the form as approved. The security so deposited will be refunded after 6 months of last delivery and check at site.
7. **PAYMENT:-** 100% Payment / Part Payment shall be made as per availability of funds after receipt and check of material at site.
8. **PENALTY:-** If the tenderer fails to complete the supply of the material within stipulated time a penalty at the rate of 0.5% per week or part thereof subject to maximum 10% will be deducted from his bill as per terms and conditions laid down in Form 'A' of UPPCL.
9. The quantity of material may be extended upto 20% of ordered quantity on mutual consent of both parties and on approval from competent authority, if it is required by PVVNL.
10. Supply may be allotted to more than one firm on the basis of L-1 rates of the tender on the discretion of SE, EWC, Meerut.
11. The tenderers are requested to make themselves fully conversant with the job requirement and technical specification and general conditions of the contract as per Form 'A' of UPPCL.
12. The contractor shall be responsible for any damage loss and breakage during delivery the material.
13. For any further Clarification, tenderers can contact to the Superintending Engineer, Electricity Workshop Circle, Meerut. No subsequent representation of ground of any sort of misunderstanding will be entertained.
14. In the event of unsatisfactory performance/quality of material as may be determined by the Superintending Engineer, Electricity Workshop Circle, Meerut. The agreement/Purchase Order will be terminated without any notice and security amount / earnest money will be forfeited.
15. Only such firms who are themselves manufacturers and authorized representative of manufacturers and are executing such jobs need tender. They will be required to produce satisfactory evidence that they have necessary resources and organization to undertake such work to the satisfaction of the purchaser.
16. Purchase Order will be sent by the department to the successful tenderer as per General Condition of contract Form 'A' of UPPCL. All the documents submitted in connection with the tender shall also form part of contract.
17. However, if there is tolerance on negative side within the permissible limit of the specified standard, and it does not make any difference in the performance of the material to be decided purchaser only the proportionate reduction in prices shall be done by the consignee.
18. Payment shall be made after receipt and satisfactory checking of material at site as per conditions of Form 'A'. No interest shall be paid for delayed payments, whatsoever the delay may be.
19. **INSPECTION & TESTING:**  
Inspection and testing of material shall be done by Chief Engineer (DQC)/ S.E(DQC), P.V.V.N.L, Meerut Team for which intimation will have to be given by the firm at least 10 days before from the stipulated delivery period. The inspection of the material shall be done at the Premises of Firm's Works (if Contractor is a Manufacturing Firm of above ordered item and should have all NABL calibrated testing equipment and facility, As per provision of relevant IS for Acceptance Test as Stipulated in IS, which is required for testing of above material) or if Contractor is an Accredited Representative of manufactures of above item(if firm is not itself manufacturer of ordered items), Then in such cases material inspection will held on the Manufacturing firm's premises of which Tendering Firm has enclosed Accredited Representative certificate of this manufacturing firm should have all NABL calibrated testing equipment and facility, As per provision of relevant IS for caring out Acceptance Test as Stipulated in IS, which is required for testing

and acceptance of above material. Test Certificate of manufacturer shall be produced at the time of inspection. Further firm has to produce/attached all test reports of relevant test of above material done during the manufacturing process and produce it at the time of inspection to the inspecting team. Inspection and testing shall be done as per Clause 2.7 of General Requirement of Specification and Clause-14 of the General Conditions of Contract Form 'B'. In addition to the terms and conditions mentioned in these clauses, following Terms & Conditions are also added:-

- 1.1 The Inspection team shall conduct the inspection/testing as per TS/GTP confirming the relevant IS. Supplier shall also render necessary assistance to the Inspecting Officers in making random sampling whenever considered necessary.
- 1.2 The Inspection team shall ensure the packing and marking of offered material as per TS/GTP in their presence.
- 1.3 The Inspection team shall ensure the sealing of offered material after inspection/testing in their presence. The material shall be duly marked, packed or sealed as considered necessary by the Inspecting Officer after inspection has been carried out and the material approved for dispatch.
- 1.4 The firm has to strictly abide by the guideline laid down regarding packing and marking of material as is provision of TS of this tender as well as of relevant IS before offering the inspection of finished product to S.E, EWC, Meerut. In case of any discrepancy found by inspecting authority during inspection or at the time of receipt of inspecting material the material shall be rejected and futile journey charges as per terms condition shall be imposed on the firm. In case of any discrepancy found in material quality, packing and marking at the time of receipt of material, the material shall be rejected and the firm shall offer inspection of material in place of rejected material. On repetition of such activity the firm may be blacklisted/debarred.
- 1.5 Notwithstanding the inspection carried out by the Officers of PVVNL, or their authorized representative, the firm shall be responsible to ensure correct supply of material at the destination both in terms of quantity as well as quality as per order.
- 1.6 No material shall be dispatched without inspection and testing by the representative of Superintending Engineer (DQC), PVVNL, Meerut. Testing charges, if any shall be borne by the supplier.

20. **FUTILE JOURNEY CHARGES:** In case on receipt of inspection call from the firm after LOI/ Purchase Order the material is not found Ready or not as per GTP/Drawing/Technical Specification and relevant IS by the inspection team of PVVNL at the works of firm/ Manufacturer, the penal charges for such futile journeys shall be levied as per following:

- |   |   |               |
|---|---|---------------|
| 1. Location of firms works upto a distance of 1000 Kms. from PVVNL headquarter-Meerut | - | Rs. 35,000.00 |
| 2. Location of firms works above distance of 1000 Kms. from PVVNL headquarter-Meerut. | - | Rs. 40,000.00 |

The re-inspection call shall be entertained only after submission of futile journey charges by the firm in the form of demand draft in the name of Managing Director, PVVNL-Meerut and payable at Meerut. The firm shall be responsible for delay in supply of material due to futile journey as above. The futile journey charges shall be allowed maximum two times. In case of failure in inspection twice, the action against the firm shall be taken as per rules.

21. **SAMPLE TESTING:** Purchaser, on his discretion, may send any randomly selected sample from the supplied lot for any/all testing as per technical specification / ISS in any of the NABL accredited lab. The results of such tests shall be final and binding on both the purchaser & supplier. The cost of such test (s) shall initially be borne by the purchaser and in case the material is found not conforming to desired specification, the above cost shall be re-covered from the supplier. In addition to this the following penal action shall also be taken by the purchaser.

- (a) The order for the remaining supplies against the said contract shall be cancelled and in such cases payment of such failed quantity of material will not be done by payment Authority.
- (b) The supplier will be blacklisted/debarred from participating in tenders for at least 3 Years from the date of tests result into failure of supplied materials.

**Signature of Tenderer**  
**With Seal**

ANNEXURE-IX

**TECHNICAL SPECIFICATION, QUANTITY AND RATE SCHEDULE AGAINST**  
**Short Term: E- T.No. 35/E. Workshop C./MRT/2023-24**

| S. No | Description of Material  | Unit | Qty. |
|-------|--|------|------|
| 1     | Supply of Semi-Automatic Digital Oil Breakdown Voltage Tester VOT-100E and all specification as per enclosed GTP.  | Sets | 14   |
| 2     | Supply of Automatic Transformer Turns Ratio Meter and all specification as per enclosed GTP.   | Sets | 09   |
| 3     | Supply of Hand Driven generator type insulation tester (Megger) Conforming to IS: 2992, 1987(with latest Amendment if any) and all specification as per enclosed GTP.  | Sets | 21   |
| 4     | Supply of Digital Display Multi-Function 0-1000 Amp. AC Clamp Meter Having large Jaw in size including auto Power off and data hold function facility Complete with its testing lead and battery. and all specification as per enclosed GTP. | Sets | 20   |
| 5     | Supply of Foot Operated Shearing Machine including Blade set, suitable for cutting of Press board from 1 mm thick up to 3mm thick, size 1200 mm and all specification as per enclosed GTP.   | Sets | 11   |

**Terms:-**

- 1- Rates quoted must be F.O.R. destination.
- 2- Validity of rates (Not less than **120** days)
- 3- Delivery Period as per order/L.O.I. in defined lots. Ist lot will be required to be delivered within one month from the date of order.
- 4- No Deviation allowed in enclosed G.T.P Specifications.**
- 5- After placement of purchase Order to successful Firm has to submit G.T.P and drawing of material as per enclosed specification & IS with full details shall be submitted by firm to this office for approval, within 7 days from issue of this Purchase Order. Firm has to submit G.T.P & complete Engineering Drg. (to be Developed as per sample) of ordered items to SE, EWC, Meerut for its approval within 7 days from issue of the Purchase Order.
- 6- Regarding element of GST, it must be clearly mentioned in the offer (Price Bid) otherwise GST will be considered as included in the given rates for the purpose of comparison of rates.

**Signature of Tenderer**  
**With Seal**

**Guaranteed Technical Particulars**  
**Technical Specifications of Semi-Automatic Digital Oil Breakdown Voltage Tester VOT-100E**

## SCOPE

Digital oil Breakdown Voltage Tester is used for measuring the dielectric strength of insulating oil. To ensure that the dielectric strength of the oil does not deteriorate however, proper maintenance is essential and the basis of proper maintenance is testing. Our Digital oil Breakdown Voltage Tester is result of continuous R&D activity.

## TECHNICAL SPECIFICATIONS

|                             |   |
|-----------------------------|---|
| Output Voltage              | 100 KV  |
| Accuracy                    | ±2 KV   |
| Resolution                  | 0.1 KV  |
| Meter Display               | Digital Meter with 7 Segment LED Display  |
| Test On Indication          | Audio as well as Visual   |
| Voltage Rise Rate           | 2 KV/Sec (±10%)   |
| Trip Current Setting        | Digital Tripping  |
| <b>Compliance Standards</b> | <b>IS: 6792-2017</b>  |
| Testing Facility            | Automatic Rise of Voltage by Motorized Variac with Holding Facility<br>Withstand test facility  |
| Test Cell                   | Volume of Test Cell should be within 450ml  |
| Test On/Off Switching       | Using Standard ISI marked Power Contactor >=25 Amp Rating   |
| Instrument Body             | Easy Carrying Transit Case with wheel (Combination of Aluminum Profile and Wooden ply)  |
| Weight                      | <=50kg is preferable for easy handling  |
| <b>Protection</b>           | <ol style="list-style-type: none"><li>1. Auxiliary I/p Over Current Protection using Fuse</li><li>2. Zero Start Interlock</li><li>3. Safety Door Interlock For HV Chamber</li><li>4. Partition between HV Chamber &amp; other Circuit is preferable</li><li>5. Over Voltage Protection against maximum Rated Output Voltage</li></ol> |
| <b>Accessories</b>          | <ol style="list-style-type: none"><li>1. Mains Cable. (01 Nos.)</li><li>2. 2.5 mm Go-No-Go Gauge (01 Nos.)</li><li>3. Test cell with 1 Set of Brass (with Plating) Electrode as per standard. (01 Set)</li><li>4. Test Certificate of Our Lab</li><li>5. Operation Manual (01 Nos.)</li><li>6. Extra fuses (05 Nos.)</li></ol>        |

### **GUARANTEE:**

The equipment shall be guaranteed for reliable and trouble free operation for 36 months from commissioning & to replace defective parts/equipment/ materials free of cost within guarantee period. The Firm must provide onsite Calibration & verification Services of Equipment supplied in Guarantee Period at his own cost.

**Signature of Tenderer**  
**With Seal**

## **Guaranteed Technical Particulars of Automatic Transformer Turns Ratio Meter**

- a. 3-Phase Automatic Transformer Turns Ratio Meter should have basic accuracy  $\pm 0.1\%$  Reading  $\pm 0.1\%$  of range (For HV-LV Voltages & Ratio).
- b. It should be capable of performing accurate measurements of TRMS HV & LV Voltage, Excitation Current (HV Side), Turns Ratio of Transformer.
- c. It should be capable to measure Turns Ratio of Transformer up to 2000 Ratio.
- d. It should be capable to calculate %Deviation of Measured Turns Ratio with Calculative Turns Ratio entered by User.
- e. Both Voltage Channels shall have a high immunity against electrical disturbances, high dynamic common mode rejection and wide measuring ranges.
- f. Excitation Current measurement should be up to **200mA**.
- g. Test Voltage must be approx. **55 V** @ 230V Aux. Supply Voltage of Instrument.
- h. It should have Vector Group Selection Facility & User should be able to set Measurement Mode as 1. Manual Mode of Testing 2. Auto Mode of Testing.
- i. Hookup Error should be provided for YY Connections.
- j. It should have user-friendly features like Blue Colour 20x 4 LCD Display, 16 Nos. of Push buttons to perform easy operations.
- k. Mechanically, it should be designed in Carrying Case : ABS Plastic Bag for Easy Carrying
- l. It should also have inbuilt memory storage facility to store at least 200 nos. of readings.
- m. It should be provided with one RS-232 port at rear side as well as one USB Port at rear side of instrument to communicate with Computer.
- n. Free Demo Software should be provided with Instrument to see Turns Ratio, %Deviations, Excitation Currents in Computer & to Print & save Test Report.
- o. Tap Selection (Optional)

### **9.1 GENRAL SPECIFICATION:-**

| S.N | PARTICULARS                              | Specifications                  |
|-----|--|---------------------------------|
| 1   | Warm-up time<br>(For Specified Accuracy) | 5 minutes                       |
| 2   | Operating temperature                    | 5° to 50° C                     |
| 3   | Operating humidity                       | 20 to 75% RH (Non Condensation) |
| 4   | Storage temperature                      | 0° to 55° C                     |
| 5   | Power Consumption                        | < 50 VA                         |
| 6   | Power Supply                             | AC 230V $\pm 10\%$ @ 50 Hz      |

### **9.2 MEASURMENT FUNCTIONS:-**

| S.N | PARTICULARS                           | As. Req'd. vide Specifications   |
|-----|---------------------------------------|--|
| 1   | Measuring & Calculative Parameters    | Turns Ratio, % Deviation, Excitation Current, HV & LV side Voltages & Reverse Polarity |
| 2   | Resolution of Turns Ratio             | 5 Digits   |
| 3   | Excitation Voltage                    | Approx 55 V, 50 Hz @ 230 V Input Supply  |
| 4   | Excitation Current Range & Resolution | Range Up to 200 mA, Resolution 0.1 mA  |

|           |  |  |
|-----------|--|--|
| <b>5</b>  | Accuracy : (within 1 year after Calibration) | $\pm 0.1\%$ reading $\pm 0.1\%$ range (For HV & LV Voltages & Ratio)   |
| <b>6</b>  | Ratio Range                                  | 1.0 – 2000.0   |
| <b>7</b>  | Connections                                  | Y-Y, D-Y, Y-D, D-D   |
| <b>8</b>  | Vector Group Selection                       | <p>Vector Group Selection facility</p> <p><b>1-Phase:</b> Ph0, Ph6</p> <p><b>Y-Y:</b> Yy0, Yy6, Yyn0, Yyn6, YNy0, YNy6, YNyn0, YNyn6</p> <p><b>D-Y:</b> Dy1, Dy7, Dy5, Dy11, Dyn1, Dyn7, Dyn5, Dyn11,</p> <p><b>Y-D:</b> Yd1, Yd7, Yd5, Yd11, YNd1, Ynd7, Ynd5, YNd11</p> <p><b>D-D:</b> Dd0, Dd6, Dd2, Dd8, Dd4, Dd10</p> |
| <b>9</b>  | Computer Interface                           | RS-232 & USB with Free Demo Software   |
| <b>10</b> | Data Storage                                 | Up to 200  |
| <b>11</b> | Data Hold Facility                           | Using HLD Key with Hold Indication LED   |
| <b>12</b> | Over range indication                        | For Voltage and Current  |
| <b>13</b> | Over Current protection                      | Fuse as well as Range Overload Tripping should be provided.  |

### **9.3 ACCESSORIES**

| <b>S. N</b> | <b>PARTICULARS</b>   |
|-------------|--|
| <b>1</b>    | 10 Meter Long HV-LV Testing lead with Alligator clip with R, Y, B Color Code |
| <b>2</b>    | RS-232 as well as USB Cable For Computer Interface                           |
| <b>3</b>    | Mains Power Cord   |
| <b>4</b>    | Software CD  |
| <b>5</b>    | Accessories Bag  |
| <b>6</b>    | Documents File with Operational Manual & Test Certificate                    |
| <b>7</b>    | Extra Fuse   |

### **GUARANTEE:**

The equipment shall be guaranteed for reliable and trouble free operation for 36 months from commissioning & to replace defective parts/equipment/ materials free of cost within guarantee period. The Firm must provide onsite Calibration & verification Services of Equipment supplied in Guarantee Period at his own cost.

Signature of Tenderer  
With Seal



# Guaranteed Technical Particulars

## Megger

### **ANALOGUE METAL BODY INSULATION TESTER**

#### **HAND DRIVEN GENERATOR TYPE INSULATION TESTER**

**Confirms to IS: 2992-1987**

#### **Application**

ANALOGUE METAL BODY Hand Driven Generator Type Insulation Tester (Megger) compact portable unit incorporating most modern features used for direct reading of electrical operating machines, Insulation Control switching equipment, Distribution networks, Communication cables, Insulators, Transformers, Industrial Installations, Cable, electrical components, wiring and other devices capable of carrying the rated voltages.

1. Metal Body
2. Housed in Anti Magnetic -Aluminium
3. Body Metallic Flap over Glass window
4. Scale Length : 90mm (approx.)
5. Rotation Speed : 160 or more r.p.m
6. Operating Voltage : 5000 Volt
7. Dimensions (in mm) : 110 x 128 x 195 (approx.)
8. Accuracy : As per ISS: 2992-1987
9. The entire unit Fix in Teak wood box with flap .

#### **Features**

1. Silent Generator Graceful Appearance
2. Accurate & Quick response Confirms to ISS : 2992/1987
3. High sensitive cross coil indicator
4. Collapsible Driven Handle-fold back flush into casing when not in use
5. Chuck nut locking arrangement to prevent anti Clock-Wise Rotation
6. Centrifugal Clutch (Governor) For Constant Output Voltage
7. Guard Terminal & an externally accessible infinity adjuster are provided for instrument having insulation range 1000megohms & above
8. Single Core two leads (each 5 meter) Red and Black 4mm<sup>2</sup> Copper PVC Lead with Crocodile Clip of 25 mm JAW.

#### **Guarantee:**

The equipment shall be guaranteed for reliable and trouble free operation for 36 months from commissioning & to replace defective parts/equipment/ materials free of cost within guarantee period. The Firm must provide onsite Calibration & verification Services of Equipment supplied in Guarantee Period at his own cost.

#### **Electrical Specifications**

|                                   |  |
|-----------------------------------|--|
| <b>Response Time</b>              | : 3 seconds  |
| <b>High Voltage Test</b>          | : Withstands minimum 000 Volts or (Rated voltage + 1000) Volts A.C. (rms) between the electrical circuit & the handle for one minute |
| <b>Insulation Resistance Test</b> | : Better than 50 Megohms at 5000 V D.C. between the electrical circuit & the containing case   |

**Signature of Tenderer  
With Seal**

# **Guaranteed Technical Particulars of**

## **Digital Clamp Meter (Tong Tester)**

### **Product Description**

This instrument will be used regularly to measure the load of various distribution transformers from 10 KVA to 1000 KVA installed at various sites under PVVNL, Meerut and to measure resistance, continuity and load while testing the transformer in various workshops.

### **Product Specification**

|                                     |                        |
|-------------------------------------|------------------------|
| <b>1.AC Current - Sensing Range</b> | <b>0.5 A TO 1000A</b>  |
| <b>2.DC Voltage</b>                 | <b>0.5 V TO 1000V</b>  |
| <b>3.Warranty</b>                   | <b>3 YEAR</b>          |
| <b>4.Jaw Open</b>                   | <b>45 MM (Minimum)</b> |
| <b>5.AC Voltage</b>                 | <b>750V</b>            |
| <b>6.Resistance</b>                 | <b>60M-Ohms</b>        |
| <b>7.Frequency Hz</b>               | <b>10MHz</b>           |
| <b>8.Data Hold</b>                  | <b>Yes</b>             |

### **Product Description**

#### **1. Features :**

- 3 5/6 Digits
- 6000 Counts
- TRMS
- Auto / Manual Ranging
- AC Current upto 1000A
- AC Voltage upto 750V
- DC Voltage upto 1000V
- Capacitance upto 600 $\mu$ F
- Frequency upto 10MHz
- Duty Cycle 0.1% ~ 99%
- Resistance upto 60M $\Omega$
- Temperature
- Audible Continuity
- Diode Test
- Data Hold
- Backlight Display
- Torchlight for Clamp
- NCV (LED, Buzzer & EF Strength)
- Auto Power Off
- Low Battery Indication.
- Jaw Opening : Cable Dia. 52mm (max.)
- Body Material should be a good quality heavy duty PVC

#### **2. GUARANTEE:- The equipment shall be guaranteed for reliable and trouble free operation for 36 months from Supply & to replace defective equipment/ materials free of cost within guarantee period.**

**3.** Housed in Good quality briefcase Type Box High Quality PVC case or Teakwood box with spare 9V cell.

**4.** Industrial used .

**Signature of Tenderer**  
**With Seal**

# **Guaranteed Technical Particulars of**

## **Shearing Machine**

### **1. Product Description**

This machine is used in various workshops repairing damaged transformers under Pvvnl for cutting pre-compressed sheet (type C & D) from 1 mm to 3 mm and solid press board (type C & D) into various gatka's, wedges and sizes as per requirement. Will be in bite. This machine should be hand operated or foot operated. This functionality should be so simple that any employee of the workshop can use it easily. Its cutting blade should be of high quality. And the maintenance cost of the machine should be minimum. This Machine is to be used continuously on a daily basis.

### **2. Features & Technical Specification: -**

1. Manual (Foot operated or hand operated)
2. One set of Blades
3. Front and Back Gauges
4. Fine Adjustable scale for cutting job.
5. Minimum shearing width 0-500 mm
6. Minimum Length of bench -1200 mm
7. Strokes per Min- 14 nos
8. 3 spring Loaded arrangement System.
9. Machine have a spring tension adjustment system.
10. Machine structure should be of C.I.
11. The machine should have a tray of 1 mm MS sheet at the back, in which the cutting job and the waste material can be collected
12. Easy Blade replacement system.
13. Heavy Duty.

### **3. GUARANTEE: The equipment shall be guaranteed for reliable and trouble free operation for 36 months from Supply & to replace defective parts/equipment/ materials free of cost within guarantee period.**

**Signature of Tenderer  
With Seal**