

## **Proposed Eligibility Criteria for Transformer Repairing Agencies**

### **1. Minimum Requirements for Transformer Repairing Agencies**

- Independent constructed factory shed.
- Sufficient open land for storing of failed/repared transformer with movement of man/material/vehicle.
- Loading and unloading facility for failed/repared transformer.
- Permanent Electric connection with minimum 25 HP for under LTP-I category or 20 KW under LTP-III category tariff. For the purpose of connection LTP-1 tariff or connected load with using machinery or not using machinery will be considered.
- All necessary machinery for repairing of dist. Transformers such as winding machine, drill machine, welding machine (electric/arc welding/gas welding) Oven for storing minimum 20 Nos. of job of 11 KV/22 KV.
- Oil filter machine with sufficient capacity.
- Chain pulley block of 2 ton capacity or electric hoist of similar capacity.
- Testing equipment suitable to carry out all acceptance test as per IS:1180 and IS:2026 along with calibrated meters.
- Test bench for conducting acceptance test with high accuracy class of meters.
- List of machinery as per Annexure B-1.
- List of testing instruments as per Annexure B-2
- Proof of owner ship deed.
- List of partner/director.
- Minimum capacity of transformer repairing per month (min 80 no)
- Agency should be working in shift duty during peak season of repairing,
- Agency detail as per Anx-C

### **2. Financial Capacity:**

- Minimum average turnover of the bidder for last three financial year should be **10%** of the estimated cost of repairing of transformer per year.
- Bidder should have to submit latest solvency certificate equivalent to **20%** of tender amount from scheduled Bank as per prevailing GOG norms.

### **3. Statutory compliances:**

- The bidder should have VAT, Service Tax no, EPF no, PAN no etc and other legal obligations like worker compensation, etc.

### **4. Capacity of transformer under the rate contract:**

- 1PH 5-KVA to 3-PH 10,16,25,50,63,75,100,150,200,250,300,500KVA

### **5. New agencies:**

- Registration fee Rs.15000/-.

### **6. Shifting of Shed:**

- For the shifting of the shed within the Circle or between the Circles or between the Companies, the formalities should be done as per the new agencies, i.e. paying the registration charges, re inspection of the factory etc.

### **7. Name transfer/ Change of partner, addition alteration of partners:**

- Processing fee of Rs 5000/-.

### **8. Security Deposit.**

- S.D. is to be enhanced from Rs 1 Lac to Rs 5 lac for PGVCL based agencies

### **9. Insurance:**

- Insurance amount is to be enhanced from Rs. 5 Lac to Rs. 25 lacs for the transformer lying in the custody of the repairers

### **10. Name plate:**

- New name plate must be provided by the repairer including the losses of the transformer

**11. Coil cutting:**

- A coil cutter machine should be available at the agency to cut it in minimum three pieces

**12. Allotment of the works-Quota**

- Up to 15 % failure rate and without making delay in repairing, the quota of maximum 100 no at each time will be allotted by the concerned CE and there after the allotment of the quota up to 25% of failure rate will be decided by the MD.
- But, in no case the quota should be enhanced if the failure rate is exceeds the 25%

**13. Calibration of the instruments:**

All the measuring instruments of the repairing agency must be calibrated at NABL Lab once in a year.

**Annexure -B-1****LIST OF MACHINERY**

<b>Sr No</b>	<b>Description</b>	<b>Qty ( in No.)</b>	<b>Make</b>	<b>Sr. No.</b>
1	H.V. WINDING MACHINE 1 HP			
2	L.V. WINDING MACHINE 2 HP			
3	AIR COMPRESSOR WITH MOTOR & OTHER ACCESSORIES			
4	SPRAY GUN			
5	DRILLING MACHINE			
6	FLEXIBLE SHAFT GRINDER			
7	JIB CRANE 1 TON CAPACITY			
8	CHAIN PULILEY BLOCK WITH LOADING & UN LOADING ARRANGEMENT 2 TON CAPACITY.			
9	OVEN/DRIER WITH 1 HP MOTOR 8 KW CAPACITY 100 DEG. C TEMP (Temp, controlled oven)			
10	OIL FILTER MACHINE 120GPH CAPACITY CAPACITY .			
11	VARNIER CALIPERS AND GUAGE METER			
12	WELDING MACHINE-300 AMP			
13	GAS CUTTING CYLINDER AND EQUIPMENT.			
14	CIRCLE CUTTING MACHINE			
15	WEIGHING MACHINE			
16	SHEARING MACHINE			
17	FLY PRESS AND DIE FOR CUTTING DOVETAIL BLOCKS.			
18	COIL CUTTING MACHINE			

**Annexure –B-2**

**LIST OF TESTING INSTRUMENTS**

SR NO	ITEM	QTY	MAKE	SR. NO OF METER	RANGE	ACCU-RACY	DATE OF CALIBR-ATION	LAB. REPORT NO & DATE
1	VOLTMETER 0-150-300-600v (CLASS-1 ACCURACY OR BETTER)	1 No						
2	AMMETER 0-10 AMP (CLASS-1 ACCURACY OR BETTER)							
3	WATTMETER 0-750W (CLASS-0.5OR BETTER) 0-150-300-600V 5/10 AMPS Range.	2 No						
4	RATIO METER RANGE 111.1	1 No						
5	MEGGAR 1000 VOLTS	1 No						
6	H.V. TRANSFORMER 0-50 KV	1 No						
7	L.V. TRANSFORMER 0-3 KV	1 No						
8	CURRENT TRANSFORMER CLASS -0.5	1 No						
9	POTENTIAL TRANSFORMER CLASS -0.5	1 No						
10	OIL TESTING SET	1 No						
11	DOUBLE VOLTAGE GENERATOR 100 CYCLE 250 500, 1000 V	1-No						
12	STOP WATCH	1 No						
13	CLIP ON METER	1 No						
14	WHEAT STONE BRIDGE	1 No						
15	DIGITAL METER OR KELVIN BRIDGE	1 No						
16	INTERMEDIATE TRANSFORMER	1 No						
17	PANEL METERS OF TEST BENCH	1 NO						

**NOTE: ALL THE TESTING INSTRUMENTS SHALL BE CALIBRATED ONCE IN A YEAR IN GOVERNMENT APPROVED /NABL LABORATORY. CALIBRATION CERTIFICATE SHOULD BE MADE AVAILABLE TO INSPECTOR WHENEVER ASKED FOR DURING TESTING / INSPECTION.**

**Annexure -C**

**Repairing works detail**

No.	Particulars	Description
1.	Name of Repairing Agency	
2.	Address & Phone No:	
	A) Office: B) Works:	
3.	SSI registration No. & Date	
4.	Details of Shed  A) Open Area B) Built up Area	
5.	Type of shed- own / rental	
6.	Proprietorship / Partnership A) Name of Proprietorship B) Residential Address C) Office Address	
7.	A) Name of Engineer B) Address C) Qualified D) Experience	