



# GURU TEG BAHADUR METAL WORKS

(An ISO 9001: 2015 Company)

Where Customers are our Partners

M/s. Lakshmi Care Biotech  
Sidcul, Haridwar

Ref no. e/gtb/2023-2024/UP/01

Date: 24.01.2024

Mobile No. +91 9917582254

Kind Attn : Mr. Sunil Verma

## Sub: Offer for Distribution Transformer 250 KVA (EEL-2)

Dear Sir,

This refers to the discussion you had with undersigned regarding subject matter. While thanking you for your valuable enquiry, we take pleasure to introducing ourselves as an ISO: 9001:2015 Company manufacturing power and distribution transformers and are based at Ludhiana (Punjab) under brand name of "GTB". Our product range includes power & distribution transformer, furnace Transformer, Dry type, Isolation transformer, Servo voltage stabilizer, CSS and VCB. We are regular suppliers to various state electricity Boards, public sector undertakings and private sector. Our equipment are designed entirely as per IS and are tested in the state of art testing laboratories equipped with the entire modern infrastructure. Our transformers have been type tested from Govt. approved testing houses like CPRI, NTH, ERDA, which further ensures the approved design as well as stringent quality. As desired, we now submit our offer as below:

### 1. TECHNICAL SPECIFICATIONS:

1		Capacity in KVA	250
2		Make	GTB
3		Reference Standards	
	3.01	Transformer design & testing	IS 1180(2014) Part-1
	3.02	Loading	IS 6600
	3.03	Oil	IS 335
	3.04	Porcelain bushing	IS 3347
4		Tolerance on electrical parameters	IS 2026
5		Duty	Continuous duty
6		Windings	EG Copper
7		Core	CRGO
8		Type	Outdoor
9		Rated Input	11000 V
10		Rated Output	433 V
11		Frequency	50 Hz+/-3 Hz
12		No. of Phases	3
13		Input configuration	Delta

14		Output Configuration	Star
15		Tapping	Off circuit tap changer shall be provided on HV winding in variation from +/-5% in steps of 2.5% (4 Step / 5 Position)
16		Cooling	ONAN
17		Max. ambient temperature	50° C
18		Max. oil temperature rise	40° C
19		Max. winding temperature rise	45° C
20		HV side High voltage withstand test	28 KV
21		LV side High voltage withstand test	3 KV
22		% impedance at 75° C	4.5 %, tolerance as per IS
23		Mounting of cooling radiators	fixed
	24.01	applied on LV side	0.866 KV
	24.02	induced on HV side	22 KV
25		Terminal Arrangement	
	25.01	HV side	Bare Bushing
	25.02	LV side	Bare Bushing
	25.03	Neutral	provided
26		Standard fittings	
	26.01	NAME,RATING & DIAGRAM PLATE	provided
	26.02	EARTHING TERMINALS	provided
	26.03	LIFTING LUGS	provided
	26.04	OIL LEVEL INDICATOR	provided
	26.05	FILTER VALVE WITH PLUG	provided
	26.06	DRAIN CUM SAMPLING VALVE	provided
	26.07	CONSERVATOR WITH OIL FILLING HOLE	provided
	26.08	THERMOMETER POCKET	provided
	26.09	DIAL TYPE OIL TEMP.INDICATOR WITH MAX. INDICATING POINTER	provided
	26.10	AIR RELEASE PLUG	provided
	26.11	DEHYDRATING BREATHER	provided
	26.12	EXPLOSION VENT	Provided
	26.13	FIRST FILLING OF TRANSFORMER OIL	provided



26.14	UNIDIRECTIONAL WHEEL	Provided
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**2. TESTS:** Following routine tests shall be conducted in house before dispatch of transformer as per IS .

- Physical Examination
- Insulation Resistance
- No- Load loss & Current
- Winding Resistance
- Voltage ratio & Polarity Test
- Voltage impedance and full load loss
- Dielectric tests
- DVDF test
- Low & High Voltage Test

### 3. PRICE

CAPACITY	UNIT BEST PRICE	WARRANTY	LOSSES AT 100% LOAD
250 KVA IS 1180 (EEL-2)	Rs. 4,05,000/-	3 Years	2700 W

### 4. COMMERCIAL TERMS & CONDITIONS:

4.1	PRICES	-	Prices are Ex-works Ludhiana.
4.2	GST	-	Extra@18%
4.3	TRANSIST INSURANCE	-	Extra@0.25%
4.4	DELIVERY	-	2-3 weeks after receipt of technically and commercially clear purchase order along with advance
4.5	PAYMENT TERMS	-	40% as advance along with technical and commercially clear purchase order and balance before dispatch through NEFT/RTGS in the favour of <b>our authorized dealer "Adhishri Power Solution, Roorkee.</b>
4.6	WARRANTY	-	Our above offered equipment is Warranted from the date of dispatch against any manufacturing defects. Oil not covered under warranty.
4.7	UNLOADING	-	In your scope
4.8	ERECTION & COMMISSIONING	-	In your scope.
4.9	VALIDITY	-	Our offer is valid for 15 days.
4.10	FREIGHT	-	Extra

We trust that our offer will be found entirely in line with your requirements and your good self will be in a position to place your valuable order on us. In case you need any further clarification please feel free to contact/write us.

Thanking you,

Yours truly,  
For Guru Teg Bahadur Metal Works  
Ludhiana (Punjab)

**Thanks & Best Regards**

Mr. Sameer Kapoor  
Senior General Manager-Sales & Marketing  
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Email: [kapoor.sameer@gtbtransformers.com](mailto:kapoor.sameer@gtbtransformers.com)



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**Sub: Offer for Servo Voltage Stabilizer 250 KVA (Balance Type)**

Dear Sir,

This refers to the discussion you had with undersigned regarding subject matter. While thanking you for your valuable enquiry, we take pleasure to introducing ourselves as an ISO: 9001:2015 Company manufacturing power and distribution transformers and are based at Ludhiana (Punjab) under brand name of "GTB". Our product range includes power & distribution transformer, furnace Transformer, Dry type, Isolation transformer, Servo voltage stabilizer, CSS and VCB. We are regular suppliers to various state electricity Boards, public sector undertakings and private sector. Our equipment are designed entirely as per IS and are tested in the state of art testing laboratories equipped with the entire modern infrastructure. Our transformers have been type tested from Govt. approved testing houses like CPRI, NTH, ERDA, which further ensures the approved design as well as stringent quality. As desired, we now submit our offer as below:

## 1. TECHNICAL SPECIFICATIONS

1.1	EQUIPMET	-	SERVO VOLTAGE STABILIZER
1.2	MAKE	-	GTB
1.3	CAPACITY	-	250 KVA
1.4	DESIGN & TESTING STANDARDS	-	IS:9815/IS 2026
1.5	COOLING	-	ONAN (First filling of transformer oil as per IS:335 inclusive)
1.6	WINDING	-	EG Copper
1.7	FREQUENCY	-	50 Hz
1.8	PHASE	-	3 Phase
1.9	TYPE	-	Balanced input voltage and unbalanced, upto 40%
1.10	DUTY CYCLE	-	100% Continuous
1.11	FIRST FILL OF OIL	-	As per IS:335/1983(Included)
1.12	TEMPERATURE RISE IN OIL	-	55 degree C
1.13	TEMPERATURE RISE IN WINDING	-	50 degree C
1.14	VOLTAGE DISPLAY	-	Digital Voltmeter for three phase independently
1.15	CURRENT DISPLAY	-	Digital Ammeter with CT's & Selector Switch
1.16	OPERATION	-	Auto/ Manual
1.17	WHEEL	-	Unidirectional wheels
1.18	EARTHING	-	2 Earthing terminals
1.19	CABLE BOX & BUS BAR	-	Suitable size of cable box with 6 AL bus bars( 3 for input,3 for output & 1 for neutral)
1.20	REGULATOR	-	Rolling contact type( Linear)



**Offered Equipment will primarily consist of the following:**

- a) Linear type continuously variable voltage regulator
- b) Double wound buck-boost transformer
- c) Control Module for sensing and controlling in the Auto Mode

d) Mode of operation:

- a. Auto Mode
- b. Manual Mode

230 With help of Raise/Lower Push buttons

ii) With help of 'T' Handle, if motor fails

- e) 2 Voltmeters – for Input / Output
- f) 1 Ammeter with CT
- g) Voltmeter Selector Switch for I/P & O/P
- h) Ammeter Selector Switch
- ji) MCBs for control circuit
- j) Lifting Lugs
- k) Drain Valve
- l) Oil Level Gauge
- m) Rating Plate
- n) Earthing Terminal
- o) Junction Box
- p) Thermometer Pocket

**2 PRICES:**

CAPACITY	INPUT VOLTAGE	OUTPUT VOLTAGE	UNIT BEST PRICE with 5 years warranty
250 KVA (Balance Type)	340 - 460 V ( P to P) 196 - 266 V ( P to N)	400 V $\pm$ 1% ( P to P) 230 V $\pm$ 1% ( P to N)	Rs.3,90,000/-

**3. COMMERCIAL TERMS & CONDITIONS:**

3.1	PRICES	- Prices are Ex-works Ludhiana.
3.2	GST	- Extra @18%
3.3	TRANSIST INSURANCE	- Extra @0.25%
3.4	DELIVERY	- 2-3 weeks after receipt of technically and commercially clear purchase order along with advance
3.5	PAYMENT TERMS	- 40% as advance along with technical and commercially clear purchase order and balance before dispatch through NEFT/RTGS in the favour of <b>our authorized dealer "Adhishri Power Solution, Roorkee.</b>
3.6	WARRANTY	- Our above offered equipment is Warranted from date of dispatch against any manufacturing defects. Oil not covered under warranty. NOTE: If equipment is damage under warranty period, The freight charges will be paid by customer only.
3.7	UNLOADING	- In your scope
3.8	ERECTION & COMMISSIONING	- In your scope.
3.9	VALIDITY	- Our offer is valid for 15 days.
3.10	FREIGHT	- Extra

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