



ASSAM TEA EMPLOYEES PROVIDENT FUND ORGANIZATION

(Formerly known as The Assam Tea Plantations Provident Fund & Pension Fund Scheme & D.L.I Scheme)

"Nidhi Bhawan" Basistha, Lalmati, N.H. - 37, Guwahati – 781029

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TENDER NOTICE

No.PF/CC/H.O./Transformer/2026/

DT. _____.

Sealed tender affixing Court Fee Stamp of Rs.8.25 (non. refundable) are invited by the undersigned from registered appropriate Contractors in prescribed Form for the following works will be received in the office of the ATEPFO, Nidhi Bhawan, Lalmati, Basistha, N.H. 37, Guwahati-29 on 26/02/2026 between 10 A.M. and 2.00 P.M. and opened at 3.00 P.M on the same day. If the office happens to be closed on the date of receiving and opening of tenders as specified above the tenders will be received and opened on the next working day at the same time and venue.

1. Name of works : Supplying, Installion and Testing of 11/0.433 KV, 1 X 400 KVA Transformer at Assam Tea Employees Provident Fund Organization ,Basistha ,Lalmati,Nidhi Bhawan Complex, guwahati-29.
2. Estimated. Value : Rs 14,03,787/-
3. Rate to be quoted : On supplied prescribed Form's bill of quantities and total Quoted value also added.(Including all taxes).
4. Earnest Money : 2% (2% for General & 1% for ST/SC/OBC/MOBC or MSME) on total Quoted value infavour of Secy Cum Commissioner, ATEPFO, inform of Demand Draft/Fixed Deposit.Tenderer shall not claim any interest on Earnest Money Deposit.
4. Time of Completion : 15 (Fifteen) days from the date of issue of formal work order.
5. The upto date I.T/PAN.,GST, Registration, Trade License Certificates will have to be enclosed with quotations. The office reserves the right to accept/reject any or all quotations without assigning any reason whatsoever.

Addl PF Commissioner
ATEPFO

Memo No.PF/CC/H.O./Transformer/2026

188-89 dt. 18/02/2026.

Copy to : 1. Notice Board.

✓2. System manager computer cell to uplod the Tender in official website

Addl PF Commissioner
ATEPFO

GUARANTEED TECHNICAL PARTICULARS FOR ENERGY EFFICIENT LEVEL 1 DTR.

1.	Certificate Required	i) APDCL Lab Test Report ii) Transformer Test Certificate from BIS Standard Laboratory	
2.	Service	Out door	
3.	Type	Conventional, Bolted type	
4.	KVA rating	400 KVA	
5.	Rated voltage		
	a) HV	11000 KV	
	b) LV	0.433 KV	
6.	Rated current		
	a) HV	20.99 AMPS	
	b) LV	533.35 AMPS	
7.	Rated frequency	50 Hz	
8.	Connection		
	a) HV	DELTA	
	b) LV	STAR	
9.	Vector group	Dyn11	
10.	No. of phases	3	
11.	Tapping range		
	a) Winding tapped	HV	
	b) No. of tap positions	5 NOS.	
	c) Voltage variations	+5% To -5% in Steps of 2.5% For Variation of HV	
	d) Tapping method	Off circuit tap changer externally operated switch with mechanical locking device and a position indicator.	
12.	Reference ambient temperature	50 °C	
13.	Reference temperature	75 °C	
14.	Type of cooling	ONAN	
15.	Temperature rise		
	a) Oil	40°C	
	b) Winding	45°C	
16.	No load losses at rated voltage & frequency	560 WATTS [Tol. ±10%]	
17.	Load losses at rated current at normal tap at 75°C	2660 WATTS [Tol. ±10%]	
18.	Total losses		
	a) At 100% loading at 75°C at normal tap	3450 WATTS (Max.)	
	b) At 50% loading at 75°C at normal tap	1225 WATTS (Max.)	
19.	Impedance voltage at 75°C at rated load	4.5% (Tol. ±10%)	
20.	Conductor materials	COPPER	
21.	Rated Basic insulation level	Impulse withstand	Power frequency withstand
	a) HV	75 kV peak	28 kV rms
	b) LV	Not applicable	3 kV rms

22.	Over Potential Test (Double Voltage And Double Frequency for 1 minute)	HV: 22 KV/100 Hz LV: 0.866 KV/100 Hz
23.	Maximum flux density at rated voltage and frequency	1.6 Tesla
24.	Flux density at 112.5% voltage and 50Hz $\pm 3\%$ frequency variation	1.8 Tesla
25.	No load current at	
	a) Rated voltage	2% of rated current (Max.)
	b) 112.5% voltage	5% of rated current (Max.)
26.	Efficiency	@ UPF @0.8PF (lag)
	a) At 100% load	99.20% 99.00%
	b) At 75% load	99.32% 99.15%
	c) At 50% load	99.39% 99.24%
27.	Maximum efficiency	
	a) Load at which Max. Efficiency will occur	45.88%
	b) Max. Efficiency	99.393%
28.	Voltage regulation at full load	
	a) @ UPF	0.764%
	b) @ 0.8PF (lag)	3.252%
29.	No. of radiator and Type	5 NOS. PRESS STEEL RADIATORS
30.	Terminal arrangement	
	a) HV	Porcelain Bushing
	b) LV	Epoxy Bushing
31.	Approximate Masses in kg($\pm 10\%$ Tol.)	
	a) Core & Winding assembly	1280 kgs
	b) Tank fittings & ACC	395 kgs
	c) Oil	420 kgs
	d) Total	2095 kgs
32.	Approximate Oil Required for First fill	510 liters
33.	Approximate Overall Dimension ($\pm 10\%$ Tol.)	
	a) Length	1870 mm
	b) Breadth	1330 mm
	c) Height	1870 mm
34.	Reference standards	
	(i) Transformer	IS-1180 (Part-1): 2014 ; IS-2026
	(ii) Oil	IS-335
	(iii) Bushing	IS-2099; IS-3347
	(iv) Loading	IS-6600

TENDER FORM

Name of Work:- Supplying, Installion and Testing of 11/0.433 KV, 1 X 400 KVA Transformer at Assam Tea Employees Provident Fund Organization ,Basistha ,Lalmati,Nidhi Bhawan Complex, guwahati-29.

<u>Sl. No.</u>	<u>Description of Items</u>	<u>Qty</u>	<u>Total Quoted Value</u>
1.	Supplying, Installion and Testing of 11/0.433 KV, 400 KVA Transformer.	1 no	

Total =

Add GST 18% =

Grand Total =

In Words:-

Contractors Name:- _____

Address :- _____

Registration No :- _____

