**ANNEXURE- 01**

**800 KVA Transformer OLTC for transformers with RTCC and LT Kiosk with 1000A Breaker**

Supply, Transportation, Testing and Commissioning of 800 KVA TRANSFORMER with all test reports. The Transformer shall be designed and manufactured as per IS:1180 OLTC with level-II with initial filling of oil as per IS 335- 1993.

1 No. 1000 A ACB at LT side shall be provided.

The basic details of the Transformer are as under.

Makes: ESENNAR

1. Quantity: 1

2. Rated KVA: 800 KVA

3. Service & Location: Continuous Outdoor Distribution Transformer

4. Mounting: Plinth.

5. Wound: Copper Double wound

6. Type: Core type oil immersed

7. Cooling: ONAN

8. Temp Rise: 40°C in oil, 45°C by resistance

9. Vector Group: Dyn 11

10. Primary Connection: Delta

11. Nominal Voltage/Current: 415V/433 V

12. Highest system Voltage: 12000V

13. Primary Frequency: 50 HZ +/-3%

14. Number of Phases: 3

15. Primary wires: 3

16. Secondary connection: Star

17. Secondary Volts/Current: 433V

18. Secondary phases: 3

19. Secondary wires: 4

20. Taps on primary winding for primary voltage variation: +5% to-10% in steps of 2.5% of 7

position (6 Steps)

21. Terminal arrangement.

a. HV: HT terminal box as per the site condition.

b. LV: Cable box suitable to receive--Sq.mm XLPE cable

22. LV: One separate terminal for earthing.

23. Total Losses at 50% Loading [Watts] [Max] --- as per IS

24. Total Losses at 100% Loading [Watts] [Max]--- as per IS

25. Percentage Impedance at 75 deg. C at --... as per IS

26. No Load current: Less than 2% of full load current.

27. Standard Fittings & Accessories.

a. Rating and terminal marking plate: One

b. Lifting Lugs: Two

c. Off-circuit tap switch: One

d. Earthing Terminals: Two

e. Radiators (Attachable): Adequate

f. Explosion vent with Diaphragm: One