

APPLICATION SEEKING APPROVAL TO COMMENCE POWER SUPPLY IN SUB-STATION EXCEEDING 650 VOLTS REQUIRED FOR THE PURPOSE OF ACCORDING APPROVAL UNDER REGULATION 45 OF THE CENTRAL ELECTRICITY AUTHORITY (MEASURES RELATING TO SAFETY & ELECTRIC SUPPLY) REGULATIONS, 2023

1	Name of Work.	:	
2	Name of owner of installation.	:	
3	Name of Division/Sub Division and Agency.	:	
4	Name of Division and Sub Division responsible for maintenance	:	
5	Layout of Substation (Plan and elevation of Substation including single line diagram of the system should be enclosed)	:	
6	Type of substation	:	
	a) Indoor/ Outdoor	:	
	b) Base Mounted/ Pole Mounted.		
7	Bus Bar arrangement on 132 kV Switchyard.	:	
8	Details of Transformer.		
	A] KV Transformer		
	i) MVA	:	
	ii) Voltage Rating	:	
	iii) Ampere HV/LV	:	
	iv) Type of Housing	:	
	v) Vector Group	:	
	vi) Impedance	:	
	vii) Permissible temperature rise	:	
	viii) Make and Serial No.	:	
	ix) Quantity of oil	:	
	x) Type of cooling system	:	
9	Details of controlling switches.		
	A] Primary side		
	i.	:	
	ii.	:	
10.	Details of protective devices For System		
	Bus Bar arrangement on KV Switchyard	:	
	I. For Transformer Bays	:	
	A] Primary side	:	
	B] Secondary side	:	
	II. For Line Bays	:	

	A] Primary side	:	
	III. For TBC Bays	:	
11.	Connection with earth	:	
	a) Nos. of treated earth electrode.	:	
	b) Nos. of non-treated earth electrode.	:	
	c) Details of main earth mat and earth connection lead (Risers)	:	
	d) System of earthing equipment structure.		
12.	Minimum ground clearance and sectional clearance for base conductor or line part of any equipment in case of outdoor substation.	:	
13.	Is there any cable trench inside the substation? If so, whether the trench is covered with non- inflammable slabs.	:	
14.	Details of fencing in case of outdoor substation.	:	
15.	Details of protective arrangement against lightning.	:	
16.	Details of interlocking arrangements in case of Transformer operated in parallel and where supplied from two or more sources are not intended to be operated in parallel.		
17.	Results of site test.		
	a) Insulation resistance of equipment/ transformers.		
	i) HV/LV.		
	ii) HV/Earth.		
	iii) LV/Earth.		
	iv) Neutral to Earth.		
	b) Resistance of earthing.		
	i) Transformer Body.		
	ii) LA		

Name of Electrical Worker(s)
who have done the work

Workmanship License no.
issued by the TELB

Signature of Worker(s)

1.

2.

3.

4.

The following documents should be enclosed:

- 1) Layout of the wiring/ single line diagram of the electrical installation should be enclosed
- 2) Manufacturing test results of all electrical equipments should be enclosed
- 3) Name and license copy of Supervisor license holder (preferable Degree/ Diploma Engineer) person who is regularly engaged for time to time observation of all the electrical equipments of this substation.

DECLARATION

I do hereby solemnly declared that I shall abide by myself to obey the instruction as per provision of CEA (Measures Relating to Safety and Electric Supply) Regulation, 2023 and the above information are true and found correct to the best of my knowledge.

Signature of Contractor

Name :

Licence number :

Signature of Supervisor

(Preferable Degree/ Diploma Engineer)

Name :

Certificate number :

Signature of owner of installation

Name:

Address: