

TIEPCO – PACKAGE SUBSTATION

The TIEPCO Package Substation conforms to the latest IEC standard and is designed and manufactured utilizing the in house expertise and state of the art technology, fully taking into account the present and future power system requirement of its clients.

TIEPCO manufactured Package substation has following salient features:

- Is up to 17.5KV or 36kV on HV side and up to 480V on LV side
- Main busbar rating up to 630A on HV side and up to 3000A on LV side.
- Upto 3150 kVA



Package Substation Comprises Of Three Portions:

1- MV COMPARTMENT – Having RING MAIN UNIT		
Rated Voltage	17.5KV	36KV
Operating Voltage	13.8KV	33KV
Impulse Withstand Voltage	95KV	170KV – 200KV
Power Frequency Withstand Voltage	38KV	70KV- 85KV
Short Time Current	21KA /1s	25KA/1s
Busbar Current	UP TO 630A	
Auxiliary Voltage	220VAC	
2- TRANSFORMER COMPARTMENT – Having TRANSFORMER		
Rated Voltage	17.5KV	36KV
Rated Capacity	Max. 2500 KVA	Max 3150 KVA
Rated Primary Voltage	13.8KV	33KV

Rated Secondary Voltage	UP TO 480VAC
Cooling	ONAN
Paint	RAL7033
3- LOW VOLTAGE COMPARTMENT- Having LV SWITCHGEAR	
As per client / project SLD requirement	Main Busbar upto 3000A
SERVICE CONDITIONS:	
Altitude	Upto 1000M a.m.s.l
Ambient Temperature	From -5°C TO +40°C
Humidity	Average Value Over 24h < 95%
Environment	Normal Unpolluted
Internal Protection Degree	IP3X
Accessibility	Four Sides
Color	RAL 7033
Cable Inputs	Bottom
Cable Outputs	Bottom