



**GUJARAT POWER
RESEARCH & DEVELOPMENT CELL**
GUJARAT URJA VIKAS NIGAM LTD

WEDGE CONNECTOR

The wedge connector is specially re-designed and advanced by GPRD Cell to avoid manual joints in the electrical 11 KV network.

The wedge connector is practically a better solution to the issues related to conductor joints.

The wedge connector upholds the life of jumpers, minimizes power outage due to jumper burning and emergency isolation, improve power reliability as well as workmanship and safety. It also reduces the manhour and manpower to be exploited for the re-jumpering and power restoration.



The significant advantage of using a Wedge Connector is the considerable reduction in technical losses due to low resistive joints by using a wedge Connector instead of manual joints.

Benefits to the Power Distribution Companies

- Energy saving after installation
- Considerable reduction in energy loss
- Improvement of power system stability
- Burning of overhead conductors at joints shall get eliminated
- Improve the safety of overhead line
- Advisable for safety purpose, point of view

Features of Wedge Connector

- Advantageous against chances of accidents
- Resulting in low technical losses and efficient
- Best reliable power connector
- Best option for traditional compression or bolted connectors

The Wedge Connector is a novel concept and it performing best and satisfactorily in the field