

Tata Power Southern Odisha Distribution Ltd.

(A TATA Power and Odisha Government Joint Venture), Odisha

Press Fit Fuse

In this 21st century electricity makes our lives significantly easier in our day-to-day life. With the daily basic need of electricity, all Discom has safety related challenges while providing uninterrupted and reliable power supply to consumers in such wide geographical area of operation. At Discoms, the new fiscal has dawned rich with promises for providing a safe workplace for employees and safe electricity supply to consumers. Currently every organization is enthusiastically exploring the best innovative techniques through technological interventions for further enhancement of safety at workplace.

Considering the Southern Odisha districts electricity supply TPSODL holds in deep reverence to the values of lives of its employees as well as public at lives. In order to achieve the goal making TPSODL free from accident & injuries and to develop a positive safety culture not only for its employees and employees of Business Associates but also for public at large.

Starting from inception of TPSODL (A Joint Venture (A TATA Power and Odisha Government Joint Venture in January 2021) number of safety innovation & technological intervention had been taken with prime focus to minimize the employee, public and animal incidents by ensuring safe workplace for employees and safe electricity supply to its consumers.

From the list of TPSODL safety innovation "Press Fit Fuse" is a key flagship innovation project in safety & operational excellency with below mentioned benefits:-

HG Fuse is a protection arrangement to any overhead distribution sector line and equipment's. Due to any fault the fuse may blow out and it's required fuse replacement by creating safety zone and climbing up to the HG fuse structure to replace the fuse. But it's found that the maximum incidents are happening during fuse replacement due to no compliance of safety zone creation and work at height safety guidelines violations. To eliminate the risk through engineering and substitution method Team TPSODL developed and innovative project called HG fuse replacement (Press Fit Fuse) tool. In which the HG fuse can be replaced from ground level without any ladder and other tools.

Press Fit Fuse use Benefits:

1. HG Fuse replacement from ground level by eliminating work at height & direct contact with electrical line.



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2. Quick Fuse replacement and outage restoration.
3. Safe execution of O&M activity.
4. Cost effective and durable in nature.
5. Made in TPSODL with Make in India, Skilled Odisha Model.



"Let's Prepare and prevent, don't repair and repent ..."

Jai Surakshya

Thank You.....