



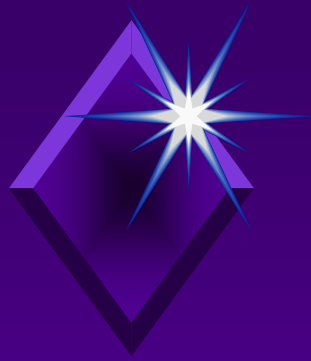
Revamping Safety Standards for Indian Industry

Fire & electrical Safety



Fact Sheet

- ❑ 25% of all Fire incidents due to electricity.
- ❑ 42% of fires due to electrical sources.
- ❑ 25 deaths due to Electrocution daily.
- ❑ 8% deaths in Indian Factories due to Electricity related accidents.



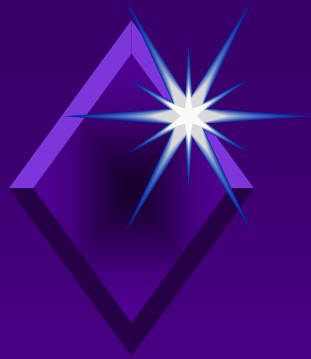
How to change the situation for better...

- Proper designing, erection and maintenance of electrical installations.
- Periodic inspections and audits.
- Fire Management Plan
- Regular Fire Drills.
- Proper signage to warn the users.
- Over current protection and safety interlocks.
- Good Industry Safety Practices.



Legal Framework and Safety...

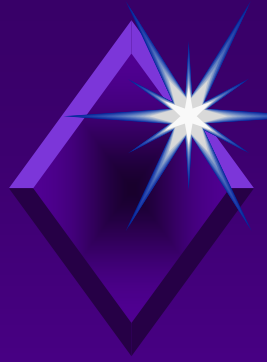
- ❖ Indian Electricity Act 1910
- ❖ Indian Electricity Rules 1956
- ❖ Electricity Act 2003
- ❖ National Electrical Code 2011
- ❖ Central Electricity Authority (Measures Relating to Safety & Electrical Supply) Regulations 2010
- ❖ Electrical Installations Sectional Committee ETD 20 and confirmation to Indian Standards



Kind Attention...

- ✓ “ The more you sweat in peace,
less you bleed in war”
- ✓ Therefore- Drill Drill Drill-
Instinctive response
- ✓ Have you seen a Fire Exit Plan
on a hotel door.





Some Small Mistakes- Big Consequences

- Story of Space Shuttle Challenger- 28th Jan. 1986. Seven Astronaut were killed. Roger Commission. Damage in the external fuel tank.
- The Pacific Ocean International Warning System 1965 after Alaska Tsunami of 1964. The Tsunami of Dec 26, 2004 killed 2,30,000. Had India and Sri Lanka been members the story would have been different.
- Motor Cycle accident deaths and Helmet- bikers constitute about 80% of road accident deaths.



THE END!

THANK YOU FOR ATTENDING!