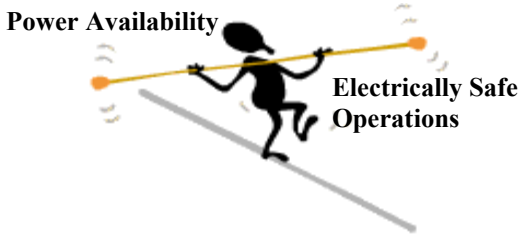


## ELECTRICAL SAFETY IN INDIAN INDUSTRIES - A REVIEW



Indian industries are growing at a faster pace and so the accidents. Industry managements invest & benchmarks against global standards in areas like product development, energy conservation, ERP, Occupational Health, Environment and is yet to adopt & achieve global benchmarking in the area of Electrical Safety, such as:

- Adopting / re-aligning / **benchmarking** electrical O&M practices based on national / international standards on electrical safety (applicable Indian Standards / NFPA 70 E & B, IEEE standards, etc.).
- Adopting **Risk-Based Maintenance** practices for electrical installations. Presently electrical maintenance schedules & periodicity are made applicable to all electrical equipment.
- Protecting life & property; carrying out O&M of electrical installations using the latest **Electrical Safety Products** / concepts.

The table below summarizes the status of **Electrical Safety** in Indian industries,

- Technology / systems – ERP, management systems, production, fire protection, research, etc. updates happen in all areas except electrical.
- Electrical pre-dominantly remains as behind the scene pure support team, to ensure un-interrupted production.
- Fatal / periodic Electrical accidents or electrical breakdowns leading to production losses prompt management to take reactive steps such as a electrical safety audit / ES training.
- ES awareness requires improvement in both electrical engineers as well as safety engineers. Safety engineers are not able to break into electrical issues. For electrical engineers, ensuring continuity of power to production is the prime target. Most often they are not able to strike a balance between **Power Availability** and **Safe Operations**.

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