

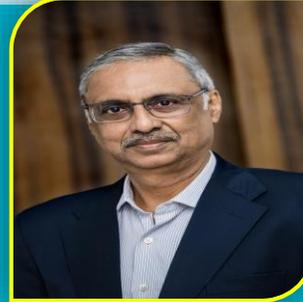
# TPSODL Suraksha Sambad

April 2022



## // CEO'S MESSAGE

**SAFETY**  
*first*



Sri. Arvind Singh  
CEO , TPSODL

*I complement the entire team for bringing out this "TPSODL Suraksha Sambad" incorporating established good practices and systems as well as various valuable safety input from employees & their family members . It has been well prepared to understand and be updated on safety aspects , practices across TPSODL.*

*This is going to be helpful to all the employees as well as the society and will make TPSODL a truly global organization in relation to safety norms and achieve the target "Mission Zero Harm".*

# ZERO HARM

TP SOUTHERN ODISHA DISTRIBUTION LIMITED

(A Tata Power and Odisha Government Joint Venture)

# SAFETY PAUSE

# NEVER GIVE SAFETY A DAY OFF



**1** Have I been properly trained to safely complete this job task?



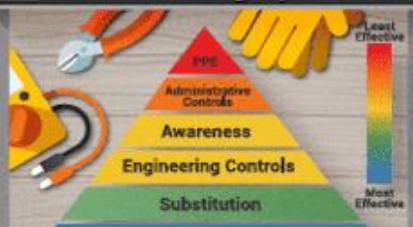
**2** Have I worked on this task before, and do I have the right training and experience?



**3** Do I have the proper tools for this job?



**4** Is the hierarchy of risk controls being followed to ensure that preventive and protective risk controls are being implemented?



**5** Has a proper risk assessment been performed?



**6** Are all conductors and circuit parts in an electrically safe working condition?



**A Safe Day  
Every  
Day**

**TP SOUTHERN ODISHA DISTRIBUTION LIMITED**

(A Tata Power and Odisha Government Joint Venture)



# inspire SAFETY



**Mr. Milind Prabhakar Kulkarni**  
*Chief Operation Services, TPSODL*

Electricity is very essential for our daily life and easy to use but if it's mishandled during operation and maintenance work it can cause major injury and electrocution which is very fortunate for fatal or,

Lost time injury and it can be element through the safety zone creation during electrical maintenance work in such a manner that prior to work execution by following three basic electrical rules i.e., Test & Isolate Before Touch, Ensure Job Safety while Working, Use PPE's (Personal Protective Equipment) Before Work. So, let's work tighter for a safer future with prime focus towards "Mission Zero Harm".



**Mr. Manmath Nath Mishra**  
*Circle Head, Jeypore Circle, TPSODL*

Working safely is the way of our professional & personal life . To ensure working safely " Behavioral Based Safety" plays a very vital role , which needs to adhered each one of us to establish a safe working

environment in our day today operation also it helps us in our personal life to be safe on road , at home and at site. Last year we are fortunate to get the BBS training so let's everyone rededicate ourselves to wards safe working behavior and with our strong commitment lets " Think Safe , Work Safe , Be Safe everyday.



**Mr. Pramod Kumar Choudhury**  
*GM O&M & Chief Safety Officer , TPSODL*

**OBEY  
TRAFFIC  
RULES**



Road safety is one of the prime importance as road accidents are huge in number from past few days .Let's come together to follow road traffic safety. it's of vital importance for everyone to have traffic awareness and understand and respect all the road safety rules in our daily operations and personal life.



**Mr. Sanat Kumar Jena**  
*Circle Head, City Circle, TPSODL*

Safety is about taking proactive steps to avoid or reduce risk for working safely. The state of being safe; freedom from the

occurrence or risk of injury, danger, or loss and the quality of averting or not causing injury, danger, or loss can only be achieve by removing unsafe acts and conditions in our daily operations.

To element any major or minor injury , the best tool is to reporting of unsafe acts and unsafe conditions. At TPSODL we had the best tool for safety observation called as "Suraksha Prahari". So let's everyone start reporting safety observation and together we can prevent the incidents.

With reference to FY 22 Safety performance the main cause of safety incident with respect to operation & maintenance are non compliance of safety zone creation & fall from height.



**Mr. Sushil Panigrahi**  
*Head Saefty , TPSODL*

I would like to urge each employee of TPSODL & BA's to observe religiously "07 Life Saving Safety Rule" & "03 Golden Safety Rule. It will definitely improve our moral to work towards Mission Zero Harm at TPSODL, we will continue our efforts towards improving safety at our organization.



# inspire SAFETY



The workplace safety training is a process that aims to provide our workforce with knowledge and skills to perform their work in a way that is safe for them and their co-workers. In addition, an effective workplace safety plan includes instructions and guidelines to identify hazards, report them, and deal with incident prevention. Workplace safety training is as vital as workplace safety itself. It enables the employees to ensure a safe work environment with proper knowledge about the safety precautions. It also helps the employees to recognize safety hazards and correct them. It enables them to understand best safety practices and management expectations. So, we are fortunate enough to have safety Practice Yard at division level, so let's be a part of regular Safety Practice Yard training and be a safe employee to work safely.

**Mr. Mohar Sahoo**  
**Safety Supervisor, Redtech Solutions**



Daily Safety Pledge during tool box talk meeting gives us the spirit and encouragement to work safely by understanding the value of safety to working safely. I feel proud to be working safely by following all safety guidelines and I request all follow safety at field, because it's for us, our family and our organization and our nation.

**Mr. Akshay Choudhury**  
**Supervisor, Boipariguda, Jeypore Division**



Do not use outlets or cords that have exposed wiring. Do not use portable cord-and-plug connected power tools if the guards are removed. Do not block access to panels and circuit breakers or fuse boxes. Be serious while near to any electrical equipment.

**Ms. Suhana Mohanty**  
**D/O- Mr. Santosh Kumar Mohanty**  
**Class VII, Praksh Vidyalaya, Jeypore**

Recently, Technology has developed in leaps and bounds, and more and more young children are getting hands on it from an early age. From mobile phones and other electrical appliances & laptops to this, access to these items is easily available to them. So as we know all these items require electricity and electricity means risk.

Electrical Safety Precautions for children are universal, no matter the age, however the risk is greater for the younger child due to their inquisitive nature. So be careful with electricity and let's share the electrical safety important with each one to be safe always.



**Ms. Tanishqa Panda**  
**D/O- Mr. Rashmi Ranjan Panda**  
**Class III, St. Vincent's Convent School, Berhampur**



On July 2021 I had attended a safety program which was arranged by TPSODL at our school named as "Let's Talk Safety". It helps us to know how electricity can be dangerous if not cared for properly. So do not be careless with electricity and treat it in a serious manner.

**Master Banshraj Behera**  
**S/O- Mr. Pramod Kumar Behera**  
**Class - VII, Praksh Vidyalaya, Jeypore**

SAFETY  
**THEME**  
OF THE MONTH  
April 2022

"Learn Fire Safety, Increase Productivity" "अग्नि सुरक्षा सीखें, उत्पादकता बढ़ाएँ"  
"ଅଗ୍ନି ନିରାପତ୍ତା ଶିଖନ୍ତୁ , ଉତ୍ପାଦକତା ବୃଦ୍ଧି କରନ୍ତୁ"



**National Fire Service Week observed across TPSODL with various initiatives like:**

- Fire safety awareness banner display across all division and social media platform.
- Fire safety quiz contest for employees.
- Live fire safety awareness training for TPSODL & BA employees
- Fire safety inspection & audit by Safety and O&M team.
- Mass housekeeping drive.



## Basic Safety on Conducting Job Safety Analysis (JSA) & Pre Job-Briefing (PJB)

### Techniques of Conducting JSA:-

Job safety Analysis is a method of “carefully studying and recording each step of a job, identifying existing or potential hazards (both safety & health), and determining the best way to perform the job to reduce or eliminate these hazards”.

Job safety analysis is especially helpful in identifying the hard to detect hazards, which may be discovered only by a systematic and detailed examination to all the tasks involved in a job.

Job safety Analysis should be performed in following steps: -



**Mr. Bibhuti Bhusan Pahadasingh**  
Circle Safety Advisor  
Berhampur Circle, TPSODL

**Step-1** : Identify the hazards, examine each task to identify existing or potential hazards for example, while performing a particular activity, ask questions like-could a worker get a hand or arm caught in a moving machine part, be stuck by an object, fall from height, to be exposed to live electrical parts.

**Step-2** : Evaluate the hazards, for example, ask questions like: -How serious is the Risk?? How serious are the significances of an accident?? Are the safety measures you already have in place sufficient to deal with these types of hazards?? Are there additional safety procedures / safety control measures or PPE that could minimize risks??

**Step-3** : Look for ways to reduce or eliminate the hazards through order of controls, performing the job differently, reorganizing the work area to minimize difficult positions and reaches, substituting less-hazardous materials, changing from manual to mechanical technique, changing tools or equipment's, providing improved PPE's or briefing up your technique.

**Step-4** :Revise your job safety Analysis. The JSA should be updated following an accident injury, or near miss: or whenever a job changes in any way that could affect safety or health or even when an employee makes a safety An onsite Pre job briefing complaint.

### Techniques of conducting PJB:-

Must be conducted every day at every new job location before start up work.

The Pre Job-Briefing must contain following parameters: -

- The PJB should not be extend more than 05-10 minutes.
- The Particular job hazards & safe work procedures should be explained by the concerned Engineer/Supervisor.
- All mentioned control measures in JSA, should be explained in PJB by the concern Engineer/ Supervisor.
- Site present work condition related hazards should be explained by the concerned Engineer / Supervisor.



### Be Updated on Electrical Safety.....



A current of 10mA (0.010A) is a severe sock. It is imperative to realize that due to low impedance of the heart, a current of only 10mA is sufficient to damage/kill a human body. The resistance of skin of human body is 1000 ohm(approx.) and when it comes in contact with defective domestic appliance/defective apparatus voltage of 230Volt only, the magnitude of current flows  $230/1000=0.230A$  which is more than 20 times of fatal current. Here we can imagine how much one defective appliance/apparatus is dangerous???

Accident never comes with intimation or information, it happens only due to negligence, violence of SOP, Un authorized work, in-adequate maintenance/lack of maintenance/accidental contact with live part, lack of supervision etc. But precautions must be taken to prevent from any incident/accident like prevention is better than cure. Earthing is one of the most precautionary measures of any Electrical system for safety of working staffs and public.



**Mr. Raj Kishore Ballav, AEE(Elect.)**  
SDO(Elect.) Chatrapur.

### Earthing And Its Objective On Safety:

Earthing provides low impedance path for the fault current occurred during normal/fault condition. It helps to avoid fatal electric shock to the person working in the grounded facility or living creature/animal by tripping circuit breaker or fuse blowing. The prime objective of earthing is to provide a zero potential surface in, around and under the area where the electrical equipment is installed or erected.



which prevents the appearance of dangerous voltage and helps to provide safety to staffs, public & equipment as well. Earthing must be visible and individual earth electrode can be separated and tested. All neutral parts of overhead line, reinforced cement concrete must be permanently and effectively earthed. Use of continuous earth wire is highly essential for flow of fault current.

Primary requirement of earthing in PSS/DSS is to have a low earth resistance. Substation involves many earthing through individual electrode which will have high resistance, but while these individual electrodes are interlinked inside soil, it creates the area of contact with soil and increase number of parallel paths. The interlinked is made through flat which is called EARTH MAT/EARTH GRID. The earth mat should be designed properly by considering safe limit of step potential and touch potential. Step potential is the potential difference between the leg while standing on ground and touch potential is the potential difference between the leg and hand touched with the equipment.

**Safety Means Life.....**

**SAFETY  
is a Team Effort  
Be a Part of the Team**



**Mr. B.B Mohanty  
Central Store , TPSODL**

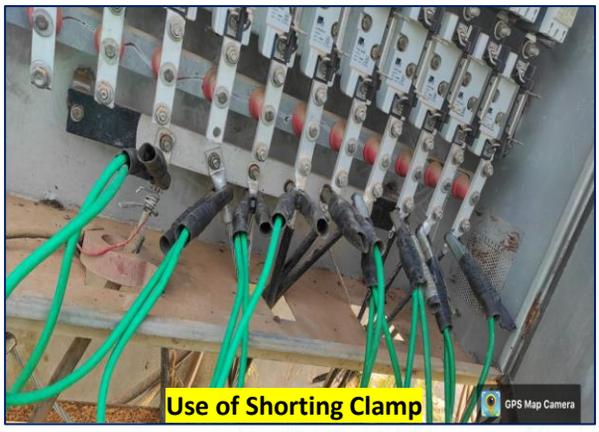
Electricity is the presence and flow of electric charge. Except Electricity, we don't imagine about the growth of the society. When we need electricity, at that time we should not forget about its working principles and safety rules & regulations. Safety rules and regulations should be adhered strictly in all aspects when one works in electricity or a consumer uses electricity. So really the topic name is meaning full i.e. "SAFETY MEANS LIFE".

It is seen really after changes of TPSODL from Southco Utility, the company TPSODL is giving emphasis on "SAFETY PARTS" in all corners of the organization. The management of TPSODL introduced Safety Rules & Regulations, Safety materials & equipment's, Safety week celebration, Safety awareness meetings among all the employees, Safety oath programs at all corners of the organization, etc. for safety of life of the employees. Really 'Safety means Life'. The management is trying to aware the employees as well as consumers at various levels to make: - Zero Harm. So let's come together and adhere the safety rule and save lives.

**Sharing best  
safety practices**



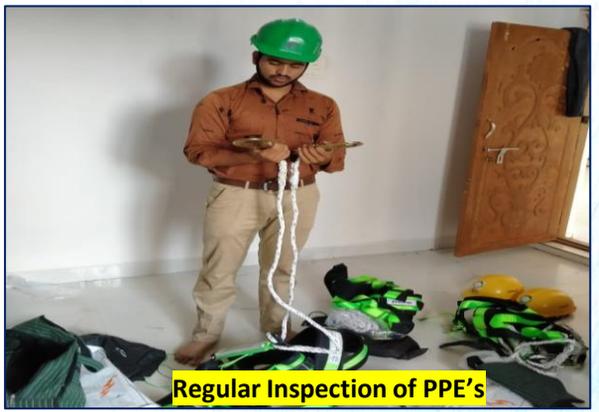
**Danger Tag use for Line AB Switch Operation**



**Use of Shorting Clamp**



**LC Process @PSS By Following Safety Zoning**



**Regular Inspection of PPE's**

# Follow me Safety leadership





# Public Safety Awareness Drive



Suraksha Sachetanta Rath



Social Media Updates



Keep Updated with our  
Mascot Roshni



Electrical Safety Awareness  
Program at Gram Panchayat

**SURAKSHA PRAHARI** TPSODL

\*available on both play store and ios

Please download "Suraksha Prahari" App to report unsafe condition / act. This will help in minimizing the electrical accidents by taking timely corrective action.

ଅସୁରକ୍ଷିତ ଅବସ୍ଥା / କାର୍ଯ୍ୟ ରିପୋର୍ଟ କରିବାକୁ ଦୟାକରି "ସୁରକ୍ଷା ପ୍ରହରୀ" ଆପ୍ ଡାଉନଲୋଡ୍ କରନ୍ତୁ ।  
ଠିକ୍ ସମୟରେ କାର୍ଯ୍ୟାନୁଷ୍ଠାନ ଦ୍ୱାରା ବୈଦ୍ୟୁତିକ ଦୁର୍ଘଟଣାକୁ କମ୍ କରାଯାଇପାରିବ ।

For any query/ complain/suggestions, Please call to :1912/ 18003456797

## Safety Learning Through Stories.

### Ramakant Wants To Say



Preeti was a bright student and had a burning desire to make something in her life. She always dreamed of getting admission into one of the top universities of India. She had almost completed her B.SC, only a few days were left for her final examination. So, she was working hard to get good score for higher studies and good job.

She was belonging to a middle-class family & living in a small village. She had a younger sister, who was in school and a younger brother, who was in play school. Her father. Mr. Ramakant was employed in one of the electrical sector and worked as a Lineman and her mother was a house wife, who motivated her entire family to pursue their dreams. The family was living happily & contented life. Every day, Mr. Ramakant goes for work at 9'Oclock after dropping Preeti at her college.

After reaching the Fuse Call Centre he collects the complaints & goes to respective location with his team, with all the required tools & tackles along with the safety tools. After taking all the safety measures they start their work. At the end of day, he picks up his daughter from her college. The family eagerly waits for both of them. Her father also takes home some vegetables and sweets. Everyone enjoys their meal together discussing about their day. One Morning when Mr. Ramakant was going to work, one of the villagers stopped him and told him that there has been no electricity for past 2hrs. So, he requested him to check where is the fault. Then he decided to check why there is no electricity, he climbed onto one of the pole and when he tried to check the electric line he received electric shock & fell from height. By seeing this Preeti and the villagers came running to him immediately and took him to the nearest hospital for immediate treatment but by the time he already had burnt injury on his whole body, also due to fall from height he got serious injury on his head and other body parts. After checking his condition, Doctor suggested his family that one leg and one hand needs to amputated due to severity of burn and fracture. Preeti's mother & her family got broken after listening this news but there were no other alternatives left for them. The treatment started and after 6months Mr. Ramakant got discharged from the hospital and returned to his home, he found that everything has changed for his family.

His wife who was carrying a big smile on her face, she had lost that. She'd started working for other families for earning bread for her family and to support her children's education. Despite that Preeti was unable to pursue her dream education due to lack of money. Mr. Ramakant never imagined it for his family, unfortunately he was unable to do anything now. He felt disabled and thought that his one mistake made his whole family suffer today.

But Mr. Ramakant guided his daughter to gain education regarding safety at site so that no one else suffered like him/&/or his family.

At last, here Mr. Ramakant wants to shares some important things to every working employee and also the consumers.

### **Mr. Ramakant says to Working employees:**

- Don't work alone. Always go with the team while attending any complain.
- Always wear the proper PPE (Induction Helmet, Electrical Shoe, Hand gloves) for that work.
- Before starting the work take the Line clearance through your senior office and verify before touch by using Neon tester.
- Ensure the "Safety Zone" must be created before work started.
- Ensure Proper height of Ladder and Full body Safety Harness must be with you before you started the height work.

### **Mr. Ramakant says to consumers:**

- When your electricity is gone out please register a complain; don't requested to any lineman directly.
- Don't dare to check any electrical line or equipment for immediate compliance.

At the End Mr. Ramakant & Preeti always request everyone to follow the Safety Guidelines and live a Happy Life with your family.



**Story By:**  
**Ms. Aishwaraiya Mishra**  
**Lead Engineer- Safety**  
**Hinjili Electrical Division , TPSODL**

**\* Disclaimer :** Names, characters, business, events and incidents are the products of the author's imagination. Any resemblance to actual persons, living or dead, or actual events is purely coincidental. The story is only for incident learning purpose by creating awareness.

Building capability to improve safety

Pratigya  
ବୃତ୍ତନବ, ରା ଶପଥ

Pratigya  
Yatra  
Training

Koraput, Odisha, India  
17.03.2022, Patrapada

## Editor's Message

Hii, I am extremely existed and felling honored to be the editor of first ever TPSODL "Suraksha Sambad" April 2022. I would like to thank respected CEO Sir, Sr. Management and my Colleagues for sharing their valuable inputs for making this magazine possible. Thanks to all the readers and Happy Reading...

**Mr. Samrat Kesahri Mohapatra**  
**Lead Engineer – Safety , TPSODL**

WE WANT  
YOUR  
FEEDBACK!

Note : For any Feedback / Input Please contact TPSODL Safety Team  
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Phone No: +91 9437409995 / 9622018098

THINK SAFE  
STAY SAFE  
WORK SAFE