



Increasing the green cover of Khopoli

The Khopoli Hydro – Security Dept Team planted over 25 native medicinal plants near the Khopoli Generation Station during the monsoon season.

The security team went ahead and implemented a **sustainable drip irrigation system** using scrap empty plastic cans. They put drippers at the bottom of the can to release water slowly. This helped save water and take better care of the plants. The team pledged to increase the greenery around the premises.

Benefits:

1. Improve ambience and aesthetic value
2. Enhance awareness & sensitization on benefits of trees

**Green Heroes: Mr. Sanjay Kumar Malwadkar,
Mr. Vilas Kamble, Mr. Atul Telange,
Mr. Swaminath Thete and Mr. Rupesh Bhosale**



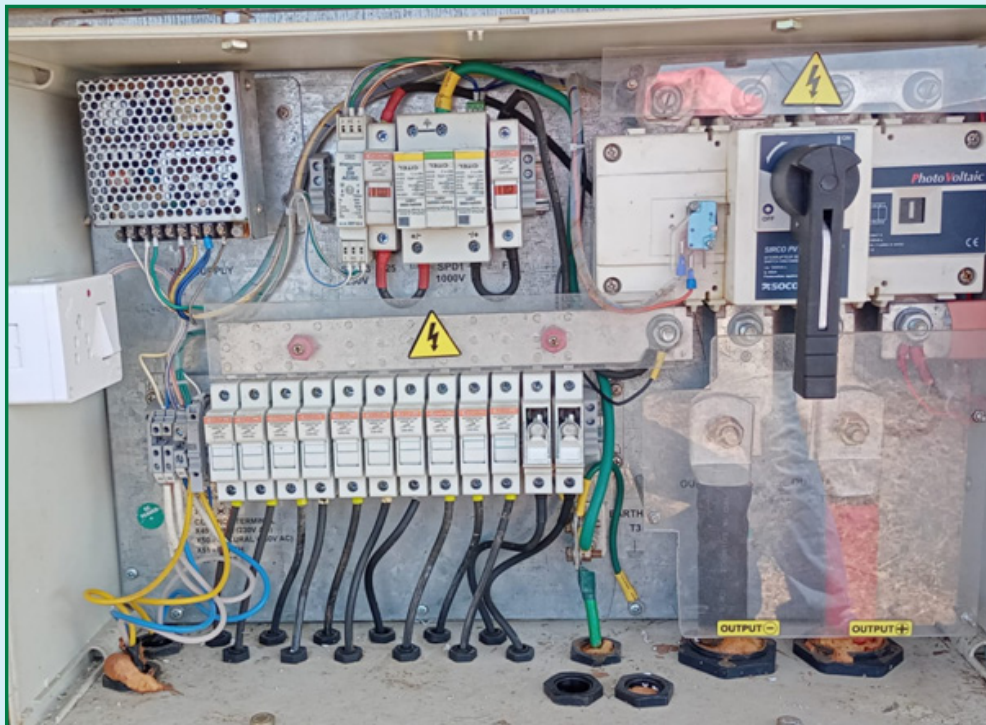
Saving birds from electrocution

Birds build their nests in places that they consider safe. With growing human activities the birds are known to make nests in man-made structures as well, however not all structures are safe for birds.

A bird nest was observed at 400KV Switchyard at 402-52 CB y-phase arm/conductor having a height of around 8-9 mtr. Immediate action was taken to save the bird from electrocution as well as to avoid any fault feeding to the system.

The bay was taken out, keeping unit#1 at stake with one breaker and surrounding bays in charged condition. The bird was saved along with its egg and the nest was relocated to a tree.

Green Heroes: Mr. P. K. Bandhu, Biplab Chatterjee, Mr. Sanjay Kumar, Mr. Rakesh S Talukdar, Mr. R. D. Banerjee, Mr. Asif Raza, Ms. Arpita Chatterjee, Ms. Anuradha Swansi



Restoring SMU unit to prevent electrical wastage

WREL 50 MW Thalak, Karnataka, site restored a String Monitoring Unit (SMU) block, in minimum time. They modified the SMU door lock mounting with stainless steel latch clips and installed an ISI 6 Amp switch socket in SMU for preventive maintenance. This led to a huge amount of cost saving for the company.

Benefits:

1. Reduction in electronic waste (E-WASTE) and mitigating issues at its disposal
2. Preventive maintenance, which was earlier not available
3. Reducing the chances of trip and fall

Total cost saving 15,000 Rs

Green Heroes: Mr. Sivaraman P, Mr. A.R.G. Mulla, Mr. Manjunatha G. G. and Mr. Giddappa S. T.





Reusing PSS earthing strips and rods to save costs and resources

While dismantling the package substation, G I earth strips and earth pipes were recovered from the site. Recovered G.I strips and rods were used for equipment earthing, earth strip supports, and earthing rods at NSE # 3 CSS.

Benefits:

1. PSS earthing strips & rods, they have been used in ongoing projects.

Total cost saving 79,000 Rs

**Green Heroes: Mr. Vikas Joshi,
Mr. Rajesh Chawan, Mr. Uday Raorane,
Mr. Prasad Khadpe and Mr. Shreyash Khadke**





Implementation of Digital Timer Module Based Street Light Operation!

A digital timer module sensor acts on the principle of sensing low visibility of the surrounding areas for automatic operation of street lights.

Our W.R.E.L 50 MW THALAK KARNATAKA SITE team has implemented the digital timer module based street light in the whole site. This prevents manual operation of the street light from the light junction box and contributes to the auxiliary power savings of the plant.

Since the implementation of the Digital Timer Module, the lights automatically turn ON at 18:50 PM and turn off at 5:50 AM.

Benefits:

1. Power Saving
2. Safety from incidents of electrocution by reducing human involvement.

Green Heroes: Mr. A. R. G. Mulla and Mr. Shivraj P.