

# Case Study

## Company

Coastal Gujarat Power Limited  
(Tata Power Company)

## Project

e-Permit to Work (PTW)  
Software

## Objective

To replace the existing Paper  
based PTW systems to  
Electronic System

## Location

1,200 hectare site, south of  
Tunda village in Mundra



## BUSINESS CASE

A Tata Group company always ensures highest quality and safety orientation as a part of their work ethics. This prestigious project was no different. Hence, getting registered as a service vendor within the organization meant passing through stringent processes of quality and safety scrutiny. In the pre-commissioning phase of their 4000 MW project at Mundra, Tata Power wanted to adopt an electronic system that would enhance their productivity manifold. With this intention they contacted ASK-EHS and explained their requirement. In partnership with the project management team of Tata Power, ASK-EHS produced a targeted 'Scope-of-Work' that addressed each of their challenges and as a result, were awarded the project for implementing the software solution for the project.

## KEY CHALLENGES

- The existing system was dated and used a paper based system that included many intricate sub-procedures within a single frame
- The permit life-cycle was predefined and included several equipment isolations as part of the system
- They wanted the new system to be integrated with their existing SAP (PM) system. The notifications would be generated by the prevalent system and they were then required to be addressed in the e-PTW system for further processing
- The software had to be simple enough for users. Most of the personnel who were designated to use the software did not have enough time as they were part of the operations team. Hence the software system had to be user-friendly by nature

## WHAT WE DID

- ASK-EHS Request Gathering Team and Technical Team visited the client site and got a brief idea of the client requirements and analyzed the entire situation.

- After several brain-storming sessions and technical as well as expert intervention, ASK-EHS ironed out these processes to come out with a targeted scope.
- As the initial paper based processes included many intricate sub-processes within a single frame, it was essential to have a customized solution in the form of Electronic Signatures.
- The e-PTW software designed and developed by ASK-EHS had all the solutions to client requirements. e-PTW software was able to replicate the paper based system which included raising permit request, monitoring its entire life-cycle, include the entire gamut of HSE requirements, histories of equipment's isolation till closure of the permit.
- Our EHS experts conducted onsite visits and successfully imparted training to the manpower involved. Entire procedure was very well explained to all the people involved in the task.
- The '**Electronic System**' successfully simplified the otherwise complex system and flawlessly fulfilled all its aims. ASK-EHS team hence fulfilled all the requirements raised by the client.

## RESULTING BENEFITS

- The **electronic Permit to Work system is running successfully** over the past 40 months at the project premises
- **Minimal training** was required for understanding the system by its users because of its existing process, thereby resulting in more productive resource management
- The project enjoys **enhanced productivity at its premises** due to significant reduction in time taken during the permit cycle as well as a transparent system that allowed users to track current status of all permits and relevant isolations

## NOTE

Further details will be provided on request.

### Contact us:

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