

Case Study Simplified and Safer Operations

When LTHE's Gujarat State Fertilizers and Chemicals (GSFC) melamine project was under final phase of commissioning and start-up the shift from construction to commissioning gave rise to multiple HSE risks.

Challenge

Owing to the short span of Commissioning phase, it was only possible to address extreme risks such as risks due to high pressure and temperature or toxic substances. This could have led to the negligence of HSE compliance. The problem was further compounded by difficulty in reaching out to front-line workforce.

Intervention

- Introduced a campaign called "safe startup, my responsibility" inspired by the safety measures of 1900s. This involved safety measures that used banners and slogans to improve teamwork.
- Before the Commissioning and Start-up (CSU) Phase, a well-planned five-day campaign was conducted based on the solid fulcrum of fool-proof planning. This campaign used a simple and cost-effective approach.
- Five HSE colour-coded themes were designed for five days along with bilingual posters, demonstrations, case studies and group discussions to educate the front-line workers and supervisors on CSU processes.

- **Red Day** - Fire and emergency preparedness
- **Blue Day** - Occupational health risk and controls
- **Green Day** - Environment aspects
- **Yellow Day** - Importance of Permit to work (PTW) during start-up
- **Brown Day** - My duties for safe start-up

Output

- Mobilising front-line and supervisory workforce was made possible along with imparting knowledge on HSE risks and mitigation measures.
- Enhancing safety consciousness and workforce competency the initiative helped achieve 7 million safe person hours.
- Improved HSE culture in all our international and domestic EPC projects.



Cardiopulmonary Resuscitation (CPR) Training for Contractor Workforce



Fire & Emergency Preparedness Training