



EHS

Environment, Health &
Safety Magazine

Issue: 2019

SUDARSHAN

First Choice For New Formulations

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EHS Preamble:

The recognition of the need for 'sustainable development' has forced upon the framework for 'corporate sustainability' as it is practiced today. There are many definitions of sustainable development, but perhaps the most articulate one is 'Development that meets the needs of the present without compromising the ability of future generations to meet their own needs'. This concept requires us to think of the world as an interconnected system – where decisions made have far reaching repercussions, across geographies and across timelines. Meeting the need for power generation in one place may result in acid rain in another. Given the size, influence and impact of business, it is quite clear that we have a significant role to play in meeting the world's sustainable development goals. The triple-bottom line concept, with the themes of 'people, planet and profit' is a milestone that led to clearer articulation of the ecological and social impacts of business and how we need to reinvent our business models to ensure that it remain profitable and contribute to sustainable development.

Safety management and the continuous development of a safety culture is a cornerstone of corporate responsibility in Sudarshan Chemical. Preventing accidents and incidents in day-to-day work, when operating production facilities, and on work-related travel and transportation routes where people or the environment may suffer harm or damage has top priority for us. Responsibility for safety is defined through appropriate directives such as our Corporate Policy. Our safety management is based on four pillars:

- Occupational Health & Safety
- Process & Plant Safety
- Transportation Safety
- Product Stewardship

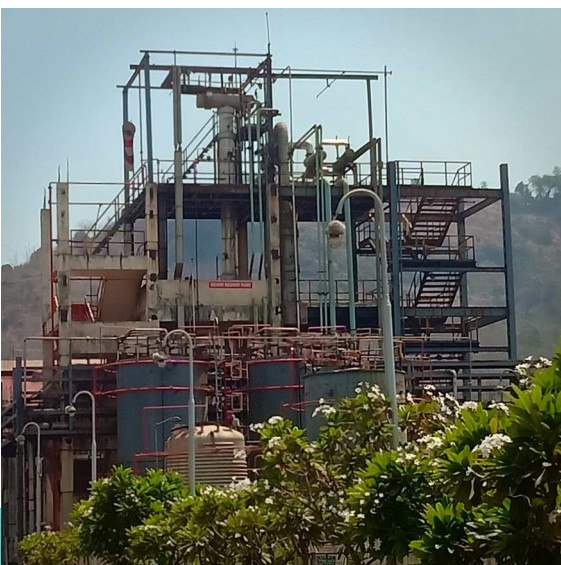
We at Sudarshan have been making our life simpler by this approach and it is paying us well in the long run.

Sudarshan towards green and clean environment

Sudarshan is always making great efforts towards green environment. In line with this, Process engineering, Engg and production team has done excellent work in reducing the solvent losses in the environment. This has given an opportunity to the team not only to work towards green environment but also to reduce the cost substantially.

Following are the steps towards environmental protection at roha.

1. Reduction in COD at source by innovative distillation method in existing swet-up:
 - a. Earlier the solvent called Tertiary amyl alcohol from HPP used to go to ETP in soluble form with aqueous effluent and was increasing the load in the form of COD (43 kg/day).
 - b. Solvent recovery of Tertiary amyl alcohol has been enhanced from 73 % to 83% by innovative way of distillation. Other than this venting loss to atmosphere was reduced to minimum level by installing vent condenser with chilling effect.
 - c. The scope was identified in 2 areas. One in existing distillation column and another is separation of IPA+ TAA mixture by using existing DMF distillation column facility without any investment.
2. This has also resulted in maintaining the healthy environment at work place. This was a great job done by the entire team and made Sudarshan proud.



Solvent Recovery
Plant where solvent
recovery is being carried
out in existing set-up

Review of risk assessment and elimination of Major Hazard from Mahad site

Sudarshan believes in continual improvement in process in line with this risk assessment is being reviewed by team every year.

- During review it has been observed that there was major risk in one of the process to eliminate this Following actions are successfully implemented.
- Earlier Chlorinator (Glass line & Jacketed) reactor was heated by steam for melting of solid Aluminium Chloride where risk of violent reaction of aluminium chloride with water if jacket gets puncture and water ingress in to reaction mixture.

This risk was eliminated by providing paraffin oil system to glass line reactor for melting of solid Aluminium Chloride where steam was replaced with pre-heated Paraffin Oil (paraffin oil is heated by steam followed by electric coil)

This system is installed in Dec' 2018. Trials are successfully completed & now system is running normally. Now this will be horizontally deployed in other locations where such type of risk is there.



New Hot Oil system provided at Mahad plant

Waste from wealth (Plastic Waste)

Most important steps towards recycling of plastic waste and protection of environment.

Earlier we are disposing our plastic waste to Mumbai Waste Management Ltd. but now a days we have started campaign, waste from wealth and introduced plastic waste decontamination and shredding equipment in our facility after shredding, this plastic are disposed to Maharashtra Pollution Control Board authorized plastic recycler. From this step we are ensuring that our complete plastic going for recycling for a valuable product.



Plastic shredding
machine installed
at scrap yard

Events



Safety Training:

Sudarshan Considering training is important tools for informing workers and managers about workplace hazards and controls, by keeping same view Role of Managers in incident prevention training arranged for Managers.

So that they can work more safely and be more productive with a greater understanding of the safety and health program itself.

Education and awareness through innovative approach:

Sudarshan adopts various innovative steps to inculcate EHS culture among the industries one of the greatest attempt performed by Sudarshan team at Roha Industries Association was “EHS KI ADALAT” safety skit, in which emphasis was given on how safety is important to increase productivity.



Sudarshan employees - while performing Safety Skit “EHS KI ADALAT” at Roha Industries Association.



Awards and Recognition



Awards from National Safety Council – Maharashtra Chapter, for Year 2017

The National Safety Council, Maharashtra Chapter felicitated for achieving lowest accident frequency rate and the longest accident free period and excellent results in the field of Health & Safety for the year 2017.

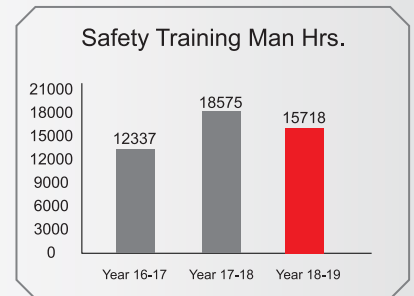
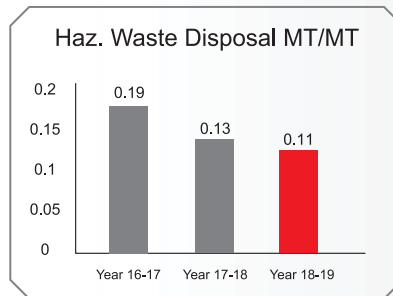
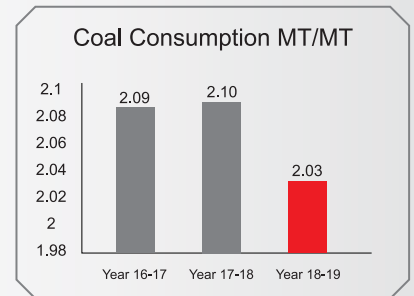
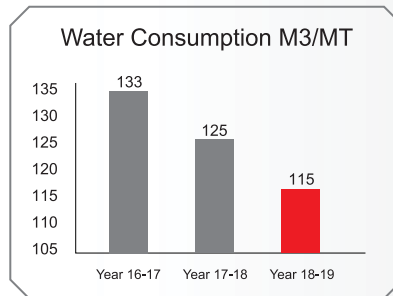
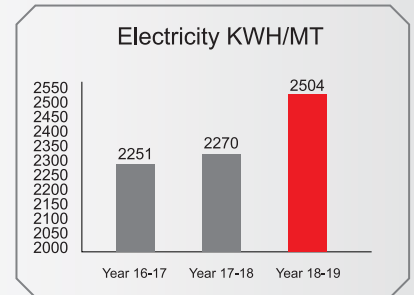
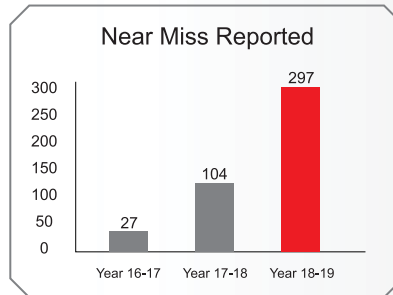
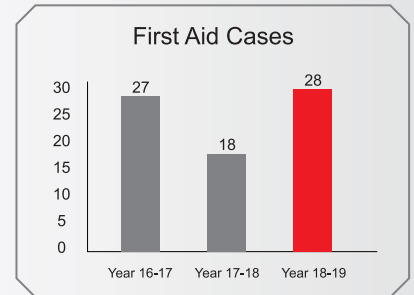
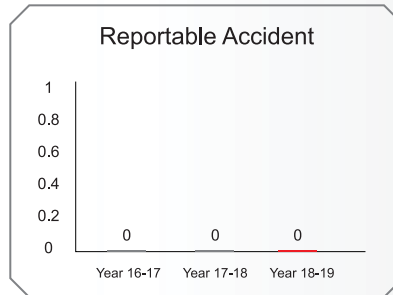


DMAI Award for Energy Conservation Initiative – 2017-18

Sudarshan has received the DMAI award for excellent performance in the field of energy conservation in 2017-18 under the large scale industries category.

Performance at Glance

...the challenges faced with respect to Environment, Health and Safety are making us more excited to unlearn and amend our approaches continuously.



CSR Initiative



1) The School wall Compound - Raigad Zilla Parishad School, Shel, Dist. Raigad:

ZP School at Shel village had no compound, due to this snakes, cattle's and stray dogs use to spot in the school premises very often. Apart from this antisocial element use to spend their time with playing cards & drinks during summer vacation. Since the school premises are surrounded with agrarian land & do not have road approaching the school it became more vulnerable for being insecure for children. Hence during the school visit all these problems were identified with the help of school & decision was taken to construct school wall compound through CSR initiative.



2) Construction of Anganwadi - Shel tribal hamlet, Block Mahad, Raigad:

During one of the need assessments of the tribal hamlet of Shel it was identified that hamlet has 37 kids below the age group of six but had no place for the KG OR for play group nor having Anganwadis. If foundation of education through Anganwadis is not taken care, then the future of 37 kids was in danger. Mainstream society keeps blaming tribal kinds are not interested in study, but they ignore the lack of basic amenities in their neighbourhood. Hence, we took the decision to address this need on urgent basis with getting nods from local government institutions.



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The logo for Sudarshan, featuring the word "SUDARSHAN" in a bold, sans-serif font. The letters "S", "A", "R", and "A" are red, while "U", "D", "S", "H", "N" are black. The "A"s have a unique triangular cutout in the center.

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