

## Case Study UPL00 – Vapi



### **United Phosphorus Ltd**

Work Simplification to increase Productivity in their Vapi unit.

#### Client Profile:

UPL (formerly known as United Phosphorus Limited) are a global generic crop protection, chemicals and seeds company, headquartered in India (Mumbai). UPL, Advanta and UEL, the three companies in that group, are listed on the Indian stock exchange, with a combined market capitalization of approx \$2.5 billion. The revenue of our Company has grown at a CAGR of 26% over the last 5 years.

UPL operate in every continent and have a customer base in 123 countries with our own subsidiary offices in Argentina, Australia, Bangladesh, Brazil, China, Canada, Denmark, France, Germany, Hong Kong, Indonesia, Japan, Korea, Mauritius, Mexico, New Zealand, Russia, Italy, Turkey, Spain, South Africa, Taiwan, USA, UK, Vietnam, Zambia, Shanghai, Columbia and Netherland. We rank amongst the top 5 post patent agrochemical industries in the world. UPL also have 23 manufacturing sites (9 in India, 4 in France, 2 in Spain, and 3 in Argentina, 1 each in UK, Vietnam, Netherlands, Italy, and China).

#### Client Needs:

To simplify work to ensure increase in productivity of various stages of ALP tablets making and packing

#### Challenges and Goal of Projects:

Major problem was environment of plant, (lot of harmful gasses are there). Un-availability of skilled people, Assessing Man power requirement in each department and allocation of optimum man power in each workstation, were the major challenges.

Analyzing the work method and de-skilling the method, improvement in existing layout for proper utilization of work place were goals of the project.

#### How Vrunda consultancy services helped:

First team understood all the processes and working by flow process charts to assess current allocation of manpower, and done method study to optimize work allocation for present manpower, to develop the new and improved method of doing job with optimum utilization of man power. Prepared plant lay-out for better material movement in the plant and did line balancing. We also suggested to purchase some machine for mechanization like Labeling machine, Auto capping machine, and Stamping machine, and also assisted in implementation for best results. Throughout the project Vrunda consultancy services worked alongside the implementation team and worked to transfer knowledge for future change in any production process. Our efforts are estimated to result in overall annual saving on INR 50 Lacs.