



# CASE STUDY

**Customer:** Amar Industries Ltd

**Location:** Ludhiana, Punjab

**Background:** Amar Industries Ltd is a Textile processing and dyeing industry located in Ludhiana.

**Scope of Work:** Amar Industries were using mechanical meters for batching of water and Dyes for their applications. This process resulted in a lot of wastage of expensive raw materials and excess labor utilization. The process showed least consistency and resulted in major variation in the quality/shades of dyed fabric. As a result, lot of manpower was wasted in rework of these materials.

**Our solution:** FEDREL Flow Meter's team visited the site at Amar Industries, studied the challenge, analyzed and suggested the best products for the requirement. FEDREL supplied them with high quality digital flow meters that had fully automated batch controlling. The products included robust Electromagnetic flow meter, Batch controls and Butterfly valves. The output of EMF was sensed by the batch controller and the signal provided to the Butterfly valve operated the valve. As a result, the process became highly consistent producing much better quality of the fabrics.

**Benefits:**

- Reduction in manpower.
- Increased success rate of the process.
- Consistency in dyeing process and cost effectiveness.
- Fully automated batch controlling.



PIONEERING FLUID CONTROLS