



CASE STUDY

Electrode Baking Energy Reduction at MFF Hazira

As per customer requirements, prior to use in production jobs, welding electrodes need to be baked and dried. We took the steps towards ordering vacuum packed electrodes, which eliminated the need for baking or drying of the electrodes before use.

Welding is a central activity in the hydrocarbon business. This measure has been adopted and implemented across all operations at MFF Hazira that require welding electrodes; and have therefore reflected a significant reduction in energy requirements as well as costs towards the business.

Cost Saved by Elimination of Electrode Baking

No. of baking Cycles Required	7829
Energy Used Per Baking Cycle (Kwh)	6
Total energy saved by elimination of baking (Kwh)	46974
Cost saved by elimination of baking (INR)	352303