



Cost Reduction Through Optimization of Reinforcement Steel Bar

Client Details

Client Name	Patel Engineering
Industry	Infrastructure & Manufacturing
Headquarter	Mumbai, India
Website	www.patelengineering.in

Business Requirements

- Integration of Quality Control (QC) process for the steel bars with Rebar
- Develop consolidated and optimized cutting schedule based on requests from the planning department
- Generate reconciliation report instantly with off-cut details
- Improved subcontractor productivity

Solutions Offered

Rebar

Timelines

- 4 Weeks for Implementation

Benefits to the Client

- Easier management of reinforcement steel inventory
- Ensures ongoing subcontractor productivity & on-time billing
- Minimal wastage, as minimum piece of bar also gets used for miscellaneous/ EP work, instead of getting wasted
- Inventory control and procurement monitoring
- Process is set that BBS (Bar Bending Schedule) should be ready at least a week in advance so as to get benefit of combination of more BBS.
- Real time status availability of BBS

Key Performance Indicators

Reduction in wastage and thereby material cost reduction

Efforts for reconciliation of reinforcement bars

Impact

Up to 2 %

Reduced from 10-15 days of 2-3 persons to few seconds