About the Client

- Client is one of the leading manufacturers of Plywood used for various applications.
- From flexible plywood's that offer a unique blend of form and functionality to specially treated, Fire-Retardant plywood's that find use in a myriad of construction purposes the client has a wide variety of products to cater to various demands of their customers

Aims/Objectives

- Work Content Measurement using PMTS technique, Time Study or Production Study of in-scope areas.
- Work Standard Development
- Cycle Time, Manpower & Capacity Calculation
- Eliminating Waste and Non-Value-Added Activities to increase productivity.
- Improving the effective Utilization or Optimization of resources
- Improvement and Suggestions for making existing system better.

Client's Challenge

- Reduction in manpower fatigue.
- Dashboards for production planning as per demand.
- Muda & Muri analysis for further improvement.
- Identify true potential capacity of plant.
- Low manpower utilization.

PMI's Approach

The study was organized in a 3-stage process:

- 1. Data Collection Video shooting of all activities on the line.
- 2. Estimation & Data Analysis PMTS technique estimation, work distribution, dashboard preparation, Muda & Muri analysis.
- 3. Results and Conclusion Dashboards for future planning, fatigue reduction, improved productivity, improved manpower utilization, identification of NVA work content.

Involvement of Associates -

- PMI 1 Project Manager, 2 Engineers.
- Client 2 Project Co-ordinators.

Data Collection-

- Video recording of the activities carried in Direct and Indirect areas of the in-scope areas.
- Interaction with client to understand process from videos.

Data Analysis -

- Preparation of elemental details using PMTS technique & validation by client.
- Analysis (Work distribution/VA-NVA identification) for manpower calculation, optimum manpower utilization & identifying capacity.
- Dashboard preparation for production planning as per demand.



Improvement & suggestions for fatigue reduction & making existing system better.

Results & Conclusion

After doing analysis and evaluation following results were obtained -

- 1. Improved productivity by 65%.
- 2. Fatigue reduction by rotation of operators in between lines.



Contact Details

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