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The Practical Approach to Field Base Data Model of Industrial Layout to Improvement in Productivity

Dr. M. S. Dhande¹, Dr. R.L. Himte², Dr. V. M. Nanoti³, Dr. J.P. Modak⁴

Asst. Professor, PIET, Nagpur, India¹

Professor & Head, Dept. of Mech. Engg., PIET, Nagpur, India²

Principal, PIET, Nagpur, India³

Dean R & D, PCE, Nagpur, India⁴

ABSTRACT: Today building construction of industrial layout very tremendous going on. So mass of quantity of production need. Want to construct a brick work very early in this era. For this purpose try to design wall construction machine, to increase the rate of construction fast & improve the productivity of human being. Today sick industry problems are very tremendous going on and mass of quantity of production need. Want to make review work on why industry fail. Initially when industry open the owner very interesting, but sudden time period get disturb and facing a lot of problems, Sometimes get a decision to shut down industry. Tremendous loss bare. After all why these problems generate. Now a day human life very luxuries, everybody depend on industrial product. In this era no one getting chance to stand problems in industry. Solve these problems by social way or any other mechanism. In this paper how apply & provide improvement in the productivity of industry.

KEYWORDS: Industrial Layout, Time Study. Industrial problem identification, Technical problems.

I. INTRODUCTION

Everybody want to enhance the industrial layout to improve production rate, but due to more time expenditure & tedious work, labor problems More cost need to pay. People are boredom in industrial layout. Industrial layout is the major role model in increasing production rate. Try to design the layout very easily in low cost. This research work very helpful to economical & industrial people. In a minimum period minimum cost industrial layout change. Everybody want construct a home or building, but due to more time expenditure & tedious work, labor problems More cost need to pay. People are boredom in construction site. Wall construction is major task in building activity. Try to design machine to construct wall very easily in low cost. This research work very helpful to economical & rural people. In a minimum period minimum cost home available.

II. LITERATURE SURVEY

Researcher visited in many industrial sector about the plotting layout and industrial machinery layout. Numbers of industry personally visited & observed that in a very pathetic situation peoples are leaving. Still today no one care about their leaving standard. So number of industry how to construct very early period. Light over idea & start the research work. The some research paper collected over it for how to design the industrial layout. Visited in Umrer industrial M. I. D. C. area[1998] , G. S. Oil, Rampur Road, Light industrial area, Adilabad, Andhrapradesh (now in Telangana) in[2001], Bhilai- Durg city & Bhilai Steel Plant, Bhilai, Chhattisgarh in [2003], Bhandara district Sunflag Steel Industry, Bhandara.(M.S.)[2004], Neco Jaiswal Industries, Facor steel, Paramount conductors, Mahananda dairy, VIP Industries, Hingna M. I. D. C., Nagpur, & major industries in Metropolitans city. Many industrial area, numbers of towns personally visited & observed that in a very pathetic situation peoples are leaving. Still today no one care about

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their leaving standard. So number of industry rebuild is in very early period. Light over idea & start the research work. The some research paper collected over it for how to solve the industrial problems.& major industrial area in Metropolitan city.

Object : 1] Industrial Mechanical / Electrical problems.

2] Technocrat problems

3] Identify industrial problems or may be educational, technical problems

Objectives:

1] Work measurement Technique.

2] Use Method Study

3] Continuous quality improvement techniques.

4] Material transportation process.

5] Enhance the production rate.

6] Quality Assurance.

7] Electricity problems.

8] Forecasting Problem.

9] Maintenance Problems.

Methodology : 1] Apply method engineering system & automation principle.

2] Apply ergonomics system.

3] Apply Delphi method

4] Personal interview problem Asking.

Design: Use automation techniques, Plant lay out design & social system.

CASE STUDY-1: THE PRODUCTIVITY IMPROVEMENT IN ASH BRICK PLANT

Problem identify: To Productivity Improvement in Ash Brick Plant

Data collection: Today the urbanization very tremendously increasing on. In This Era Need of Brick Production Rate More also. For the development purpose need of productivity improvement to increase the production rate. Brick is very basic need in house construction, building construction, industry compound wall, and so many construction activity. Therefore to developed system like how to improve the production activity by applying some advanced technique or improvement plant layout. Some maintenance system, machine overhauling activity or die extension/ design method.

System Object: Ash Brick Making Plant, At Hudkeshwar Road, Nagpur.

System Survey: It has been observed in west Nagpur near Kamathi Road that most of the worker are doing work from morning to evening but production rate very low. Same way visited in lot of brick making die plant over the Hudkeshwar Road also very pathetic condition .Number of research paper read out and decide to do the work over this project. Personally survey in 2015 & discuss with owner why the production system weak. After long discussion it observed that here is the plant layout, die problem, & maintenance schedule problem. Before that survey in 2002 same problems face in Nandawan area, Nagpur. Therefore take this research project for evaluate solution.

Activity: 1]Plant Layout improvement.

2]Maintenance schedule prepare.

3]Chart display system.

4] Time management Technique.

5]Apply Method study.

Outcome : (i) Applying Work study & Ergonomics system.

(ii) Analysis by graphically monthly & yearly production rate.

(iii)Try to reduced 20% in cost of brick, through this method.

(iv) The cost of brick making reduced. The economical people get more benefits & in a low cost home construction available. Not need to spent more money.

(v) The rate of ash brick number of 4000 need to pay 12,500/- instead of try to pay 10000/-.

(vi) This research work very helpful for making urbanization because is in village till today peoples are facing major problems in house construction.

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CASE STUDY-2: DESIGN & DEVELOPMENT OF RICE MILL LAYOUT PROBLEMS

Data collection : Food industry is the major important role of human life. Any food industry lot of problems today available lets segregate here. How to analyses it what queries are there. Why people facing problems in rice mill, The numbers of problems stand in front of people and in rural people facing these from lot of years. Rice mill run only in season time , then remaining year it get closed down. Then how to utilized this space in remaining month. Over here discussion & research work. How to increase the productivity of rice mill.

System Object : Rice mill ,work measurement, productivity, Location of industry, Community which is working in rice industry or mill.

System Survey: In rural area farmer have no solution how to extract rice from rice raw material. For that purpose they move in rice mill to extract the the final rice. Number of rice mill available in rural area. Now what their problems that analyse by personally meeting with them and hearing their problem. How to increase the production rate of mill. Whether there electrical problems or community problems or technocrat / operator not working properly so production rate slow down. Everybody want to avail the rice in chief rate, but due to more time expenditure & tedious work, labor problems More cost need to pay. People are boredom in rice mill site. Wall construction is major task in building activity. Try to design rice mill layout/ rice mill system very easily in low cost. This research work very helpful to economical & rural people. In a minimum period minimum cost rice will be available.

Personally visited in Rice Mill Kuhi Dist. Nagpur. Rice Mill Tumsar, Dist. Bhandara. [M. S.]. Many rural area, numbers of Villages personally visited & observed that in a very pathetic situation peoples are leaving. Still today no one care about their leaving standard. So number of rice mill rebuild very early period. Light over idea & start the research work. The some research paper collected over it for how to design the rice mill. Visited in Umrer rural area[1996] , Chandrapur rural area Maharashtra in[1994], Bhilai- Durg city & rural area Chhattisgarh in [2004], Bhandara district rural area(M.S.)[2005], major rice mill town.

Activity : 1] Statistical Quality Control.

2] Material wastage saving.

3] Enhance the standard.

Outcome :1] Apply method engineering system.

2] Use machine mechanism system.

3] Graphical plating & differentiate what rate earlier & now in building construction.

4] Tremendous need of rice mill in a rural area. Through this process Productivity will increase.

5]Speed of production will increase & no labor problem.

6]Continuous machine maintenance problem.

7]Number of rice mill very easily run.

Analysis: Graphical plotting & differentiate what was the rate earlier & now in industrial layout. for buildup industry.

III. RESULT & DISCUSSION

Tremendous demand of industrial layout prolem. Productivity will increase.

IV. CONCLUSION

Speed of industrial layout will improve increase & no labor problem.

Inferences: Critical layout very problematic. Continuous industrial maintenance problem.

Future Scope: 1] Number of Industrial layout very early improve.

2] Number of Industry will grow.

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