

ALVAS INTITUTION OF ENGENNERING AND TECHNOLOGY

INDUSTRIAL REPORT OF MASTER PLANERRY, PUTTUR



BY, 3rd SEM

CIVIL DEPT

TO,

HEAD OF CIVIL DEPARTMENT

A. I. E. T, MIJAR

INTRODUCTION

Master Plannary has started production of materials corresponding to the civil engineering. The company got situated in year 1950 and saw huge development in Karnataka after 1976.

Shri S K Anandkumar took a responsibility of constructing the company. He completed his graduation in 1973 at K R S E and his post-graduation in 1975. He introduced a new engineering material named “concood”.

The industry prepares concood materials such as doors, window frames, park bench, sofas, school tables and many more decorative items.

Concood is a better replacement for wooden made materials. These materials resembles wooden made with better wearing capacity and strength.

Hence this achieves the objective of protecting environment in which the company has met success. The company has not lagged behind in meeting customers all around D K, Udupi, Uttara Kannada, Madikeri and Shimoga.

Initially Master Plannary produced only doors, windows, tulsi pots, frames for doors etc. the popularity of their products led to try out new things like desks, benches, ventilators, ceiling, staircase and much more.

CONCOOD

- Concood is a name given for concrete that looks like wood.
- Concood is a water and fire resistance, termite proof, strong, durable and above all economical.
- It is very similar to wood in its colour and furniture made out of concood is repairable also.
- These products are made of cement, sand and iron rods which requires curing of 21 days after initial work.
- After curing the finishing touches are given to furniture so as to make it resemble like wood.
- The main products of concood are benches, sofas, door and window frames, lintels, ventilators, RCC spun pipes, drainage covers, electric panel board, gates, water tanks, fencing, pre cast toilets, sign boards, staircase, tile roof, wardrobes, platforms, shelves, entrance arch, concood cabin and sheds, compound grill, garden sofa, etc....
- Concood products encourages so that our forest are saved to the point that no more trees are cut. And it also make job available for people who willing to work for livelihood in the construction industry.
- It consist its headquarters in PutturTaluk, South Canara district of Karnataka.

PRODUTS OF CONCOOD

Benches, Sofa, door flames, window flames, lintels, ventilator, R.C.C spun pipes, drainage covers, electrical panel board, gates ,water panel fencing ,garden item ,staircase, tiled off, platform, garden sofa, concood cabin, arch, counters

1) Windows :

In the initial step of making windows the iron moulds of windows are filled with concrete (mixture of cement, fine aggregate and coarse aggregate). Then it is set by vibrating using motor. And it is allowed to dry for 24hrs. as the structure gets set well it is removed from the mould and cured for 21 days. Hence the windows are ready to use



STEP1: GREASING (applying oil on mould surface)



STEP 2: The iron rods are inserted inside the iron mould to provide grip for the concrete mould.



STEP 3: After inserting the rods the mould is filled with the mixture of concrete and then it is vibrated using motor for well setting.



STEP 4: Finally the prepared window is removed from the mould after 24 hrs and kept for curing to improve its strength.

2) Concrete tiles:

The tiles are prepared in the similar way of windows. Initially the concrete is prepared using cement, fine and coarse aggregate (of very small size). The prepared mixture is then put in a mould and placed under the tile making machine which gives the exact dimension for the tiles. Then usually prepared moulds are dried and cured.



3) Bulldozer wheel:

The industry also manufactures bulldozer wheels. The maximum weights of wheels they produce are of 700kg and minimum of 400kg.



Making of concood buildings:



Concood Furniture:



Concood Decorative products:



Machines used for preparations of concood materials:

1) Hydraulic Machine:



Working of hydraulic machine:

The machine is used to manufacture the different types of interlocks. In the initial step the concrete is prepared using concrete mixer. The mixture consists specific ratio of cement, fine and coarse aggregate. Then the concrete is send to the machine through the passage, the machine is fixed with iron moulds. As soon as the concrete moves below the machine it presses the mixture with hydraulic pressure and gives particular shape and dimensions to interlock. And the prepared tiles are pushed outside along the track as shown in figure above which is then dried and cured.

The approximate cost of the particular machine is 49000/-

INTERLOCK PRODUCTS PRODUCED FROM HYDRAULIC MACHINE:



FEEDBACK

The industrial visit for the Master Plannery of rural development centre gave us wonderful experience and also provided the knowledge about concood and its products. From this visit we came to know how the wooden materials can be replaced by concrete and fibrous materials with less expense.

From this we like to thank **S K Anand kumar** and their industrial members for giving us an opportunity to visit the industry. We also like to thank our respected **HOD of civil dept** and **all our lecturers** for taking us there.



THANK YOU