

DESIGN OF A MANUAL ROLLING MILL

Project report submitted by:

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ABSTRACT

This project report is divided into seven chapters.

In the first chapter the design phases are analysed. This includes needs analysis phase, creativity phase, morphological analysis and finally benefit analysis.

The second chapter deals with rollers design and finding the diameter of the rollers.

In the third chapter bearing selection is taking place.

The fourth chapter deals with rollers support design, including side supports, take - up bearing unit support plate, bolt and adjuster head.

In the fifth chapter the design of the handle takes place. It includes design of the plate, design of the key for the shaft and design of the handle.

In the sixth chapter has to do with the design of the of rolling mill support. This includes design of plates and frame.

Seventh chapter has to do with the cost analysis.

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