



**INTERNSHIP PROJECT BASED ON  
PRODUCTION OF QUALITY CASTING OF MANGANESE  
STEEL (FOUNDRY)**



Under the guidance of  
**MR. VIDYA SAGAR**  
Dy. GM(ES&F)

**Rashtriya Ispat Nigam Limited (RINL), Visakhapatnam**  
(Duration of 08<sup>th</sup> May 2023 to 03<sup>th</sup> June 2023)



## PROJECT CERTIFICATE



This is to certify that the project report entitled “**PRODUCTION OF QUALITY CASTING OF MANGANESE STEEL**” is a Bonafide record of the work done by **MORRI VEERA SAIBARGOV** student of **Central University of Chattisgarh (Guru Ghasidas Vishwavidyalaya)** in the Bachelor of Technology in Production Engineering in the duration of the period from 08-05-2023 to 03-06-2023 in **ENGINEERING SHOPS & FOUNDRY** in Rashtriya Ispat Nigam Limited. This project work was carried out by the student under my guidance and supervision.

Date: 03-06-2023  
Place: Visakhapatnam.

**Mr. P. Vidya Sagar**  
Deputy General Manager (DGM)  
Foundry  
RINL-VSP



## ACKNOWLEDGEMENT

First of all, I thank God in words for his grace, who gave me the opportunity and strength to carry out this work. The success and outcome of this project review required a lot of guidance and assistance from many people and we are incredibly privileged to have got this all along with the completion of our project.

Our sincere thanks to **Mr. VIDYA SAGAR**, Foundry Shop, Engineering Shops & Foundry, Visakhapatnam Steel Plant, for his encouragement and valuable suggestions.

Our sincere thanks to **Mr. KRISHNA PRASAD**, Foundry Shop, Engineering Shops & Foundry, Visakhapatnam Steel Plant, for his encouragement and valuable suggestions.

I take this opportunity to sincerely thank **Mr. KONDAL RAO**, Foundry Shop, Engineering Shops & Foundry, Visakhapatnam Steel Plant, whose advice and guidance has helped me to complete my project work successfully.

I take this opportunity to sincerely thank **Mr. RAMANA MURTHY**, Foundry Shop, Engineering Shops & Foundry, Visakhapatnam Steel Plant, whose advice and guidance has helped me to complete my project work successfully.

I feel grateful to Mr. Subhramanyam, Pattern Shop, Engineering Shops & Foundry, Visakhapatnam Steel Plant, for his valuable suggestions and encouragement towards the completion of my project work.

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I wish to express my sincere thanks to ES&F Dept. employees of Visakhapatnam Steel Plant for their valuable guidance in completing this project.

I also wish to express my sincere thanks to all the employees of Visakhapatnam Steel Plant who gave me lifts to reach the plant and gain technical knowledge all over the plant.





राष्ट्रीय इस्पात निगम लिमिटेड  
(भारत सरकार का उद्यम)  
विशाखपट्टणम इस्पात संयंत्र  
विशाखपट्टणम

RASHTRIYA ISPAT NIGAM LIMITED  
(A Government of India Enterprise)  
Visakhapatnam Steel Plant  
Visakhapatnam

ISO 9001:2015, ISO 14001, ISO 50001, ISO 27001 & OHSAS 18001 Certified Company

## अधीनगम और विकास केंद्र Learning and Development Center

Reg.No. : 100016696

प्रमाणपत्र Certificate

प्रमाणित किया जाता है कि श्री/ This is to certify that Mr./Ms. **MORRI VEERA SAIBARGOV** student of (वर्ष/पाठ्यक्रम/शाखा - Year/course/Branch) **3/BE/B TECH/MECHANICAL/INDUSTRIAL & PRODUCTION/INDUSTRIAL** विद्यार्थी ने from **GURU GHASIDAS VISWA VIDYALAYA, BILASPUR** से has undergone **4 Week** प्रशिक्षण training विशाखापत्तनम इस्पात संयंत्र के at Visakhapatnam Steel Plant in **ENGINEERING SHOPS & FOUNDRY (ES&F)** विभागों में department from दि. **08-05-2023** to **03-06-2023** प्राप्त तक किया | परियोजना शीर्षक The Project Title is **PRODUCTION OF QUALITY CASTINGS OF MANGANESE STEEL** है। प्रशिक्षण अवधि में उनका आचरण His/Her conduct during the period of training is **GOOD** है।

स्थल/Place : Visakhapatnam

दि./Date : 03-06-2023



M Ganesh Babu  
AGM (Trg.)  
Learning & Development Centre  
RINL, Visakhapatnam steel plant.  
Visakhapatnam