



GULSON KALUNDIA

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Targeting assignments in **Production & Quality Assurance**, preferably in any industry also with a leading organization of repute

PROFILE SUMMARY

- **B.Tech. (Metallurgical Engg. & Material Science)** with **over 3 years** of rich experience in Teaching Profession and **8 Years** experience in Manufacturing Operations (Cast Iron, Steel and Roll Casting through CCM) and Process Control of Foundry Parameters and Practices, Ultrasonic Testing and Heat Treatment
- Proficient in Melting Operations by Induction and Electric Arc Furnace route and Foundry Operations- Molding/ Assembly/ Casting
- Experience in **Manufacturing Roll** through Centrifugal Casting Machine, Static Casting and Heat Treatment Furnace
- Skilled at supervising the complete operations entailing planning, resource utilization, maintenance, quality management & manpower management
- Expertise in managing production activities, streamlining processes / procedures to facilitate smooth production process, enhance productivity and reduce cost
- Experienced in supervising the process improvements and quality related activities involving resource planning, in-process inspection and coordination with internal departments
- Strong leader & team player; excellent motivational skills to sustain forward growth momentum while motivating peak individual performance from team members
- Controlled all SAP related works

CORE COMPETENCIES

Project Management

Risk and Escalation Management

Process Improvement

Safety Management

Preventive Maintenance

Cost Optimization

ORGANISATIONAL EXPERIENCE

Oct'20 – Jan'24

Govt. Polytechnic Adityapur, Jharkhand

Growth Path:

Jul'10- Jun'16

Tayo Rolls Ltd., Jamshedpur

Jul'10-Jun'11

GET in Scientific Services

Jul'11-Jun'16

Officer (Shift Metallurgical & Process Control) in Technology Group- Cast Business

Jul'07-Aug'08

JRF in NML, Jamshedpur

Key Result Areas

- Engaged in charge mix preparation & composition adjustment of medium and high carbon steel, Ductile Iron (SG), Hi-Cr Iron and normal ICDP heats from main & medium frequency induction and electric arc furnace.
- Created heat by maintaining the chemical composition.
- Engaged in casting of different grades of Adamite (Low & High Carbon Steel) Roll and Alloy cast iron from Electric Arc and Induction Furnace.
- Contributed in casting of different grades of Cast Iron & Steel through CCM and Static Casting; ensured that all the Standard Operating Procedures (SOP) were methodically followed for production & safety requirements.
- Performed Roll Failure Analysis with usage of proper quality tools and CAPA preparation.
- Managed Heat Treatment of Cast Rolls.
- Achieved product quality control at machine shop.
- Performed experimentation on lab scale and successfully implemented the product itself i.e. on Graphitic Steel stabilization.
- Recovered defective rolls by salvaging to other suitable size roll.
- Built investigation reports and all types of other metallurgical works.

- Timely worked on projects for company improvement as a Project Leader.
- Took hardness of spall samples & final product with Equotip and Digital Rockwell Hardness Tester .
- Monitored the heat treatment cycle on daily basis.
- Observed mold making per day and sand preparation in foundry shop floor.

Highlights

- Contributed in New Product Development – Graphitic Cast Steel Roll through R&D (at lab scale) and its successful methoding to achieve shrinkage free casting and hardness achievement through proper adjustment in heat treatment cycle
- Managed the predictive & preventative maintenance program and drove continuous line improvement by taking some modified processing steps
- Maintained building and support services such as CCM Machine, Furnaces and Foundry Practices
- Conducted automotive metallurgical testing of steel, casting forging component by chemical, physical, non-destructive and metallographic practice
- Provided aid to supplier for solving metallurgical problem/improvement; monitored failure analysis & material assessment/evaluation
- Lessened capably heat cycle time through proper charge mix arrangement and ferro-alloy addition with charge
- Managed casting of different grades of Cast Iron & Steel through CCM and Static Casting
- Removed longitudinal & transverse crack in CCM roll

PREVIOUS EXPERIENCE

Jul'07-Aug'08

JRF in NML, Jamshedpur

ACADEMIC DETAILS

- B.Tech. (Metallurgical Engg. & Material Science) from NIT Jamshedpur in 2006 with 7.04 C.G.P.A
- 12th from Mrs. K.M.P.M. Inter College, Jamshedpur, B.I.E.C., Patna in 2000
- 10th from Mrs. K.M.P.M. High School, Jamshedpur, B.S.E.B., Patna in 1998

PROJECTS

- Forging Process and Energy Consumption of per ton in FFP at HEC Ranchi from 11th June 2009 to 10th July 2009
- Steel Making Process in LD#2 at TISCO from 10th May 2005 to 9th July 2005

APPRENTICESHIP

- Steel Making Process in EAF at HEC, Ranchi as Apprentice for six months

PERSONAL DETAILS

Date of Birth: 14th October 1982
 Languages Known: Hindi, English, Ho
 Present Address: Vill.- Kuluptanga, P.O.- Adityapur, P.S.- R.I.T., Dist.- Seraikella-Kharswan – 831013, Jharkhand
 Permanent Address: S/o- Ladura Kalundia, Vill. - Rulisai, P.O.- Kokcho, P.S.- Manzari,
 Dist.- West Singhbhum – 833201, Jharkhand