

Job Description

Position: Sr. Executive / AM, Supervisor (Pilot scale mineral processing plant)

Department: Mineral Processing

Reports To: Plant Manager (Pilot scale mineral processing plant)

Location: iCEM Dev Dholera

Transport: Daily Pick up and drop from Ahmedabad is available to iCEM employees

About iCEM

iCEM is an autonomous institution established by the Government of Gujarat under the auspices of the Gujarat Mineral Development Corporation. With a vision to be India's leading institute for enabling sustainable mining from societal, environmental and commercial standpoints, iCEM aims to catalyse growth of the mining sector, helping it become more efficient, safe and sustainable.

Recognising the ever-evolving mining landscape and its impact on both economic growth and the environment, iCEM adopts a comprehensive approach that encompasses capacity building and skill development, developing knowledge resources, evaluating best-in-class technologies, validating breakthrough innovations for adoption in GMDC, and forging strategic collaborations with reputed national and international institutions.

Address:

Opp. Kensville Golf Resort,
Devdholera Village,
Off. Bavla - Rajkot Highway,
Ta: Bavla, Dist.: Ahmedabad,
Gujarat (India) – 382 240

This is contractual position initially for a period of 3 years extendable based on performance. Position will be based at iCEM Dev Dholera Campus, Ahmedabad.

Role Purpose

The Supervisor – Mineral Processing & Hydrometallurgy shall be responsible for supervising day-to-day plant operations during assigned shifts, ensuring safe, efficient, and uninterrupted functioning of mineral beneficiation and hydrometallurgical process units.

The role requires hands-on operational supervision, process monitoring, troubleshooting, coordination with maintenance and laboratory teams, and ensuring adherence to SOPs, safety practices, and production targets. The incumbent will play a critical role in maintaining operational discipline, process consistency, and supporting plant commissioning, trial operations, and process improvement initiatives.

Key Responsibilities

Supervise and monitor plant operations during shifts to ensure smooth, safe functioning, Operate and monitor:

1. Ball Mill & Grinding Circuit
 2. Hydro cyclone Classification
 3. Flotation Circuit
 4. Roasting
 5. Leaching
 6. Purification & Precipitation Systems
 7. Filtration, Drying & Utilities
- Maintain process parameters, recovery, throughput, and product quality.
 - Coordinate with maintenance, laboratory, and production teams for uninterrupted operation.
 - Record shift data, production reports, and operational observations.
 - Identify operational abnormalities and initiate corrective actions.
 - Ensure compliance with SOPs, safety standards, and housekeeping practices.
 - Support commissioning, trial runs, and process optimization activities.
- Exposure to commissioning and scale-up activities will be an added advantage.

Stakeholder Interfaces

- Plant Head
- Maintenance Team
- Laboratory / QA/QC Team
- Safety Team
- Process Development / R&D Team
- Production & Utilities Personnel

Key Competencies

- Mineral Processing Operations

- Hydrometallurgical Process Supervision
- Process Monitoring & Troubleshooting
- Shift Operations Management
- Safety & Compliance Orientation
- Reporting & Documentation
- Team Coordination
- Problem Solving & Decision Making
- Operational Discipline

Qualifications

- Bachelor's degree / diploma in engineering (in Chemical, Mineral Processing, Metallurgy, Material Science preferred)

Experience

03 - 05 years of relevant experience in Mineral Processing / Beneficiation / Hydrometallurgical Plants with hands-on exposure to plant operations, process monitoring, troubleshooting, shift supervision, and safety compliance. Experience in commissioning and pilot plant operations will be an added advantage.

Key Success Indicators

- Safe and uninterrupted shift operations
- Stable process performance and equipment uptime
- Achievement of shift production and recovery targets
- Timely identification and resolution of operational issues
- Accurate reporting and operational documentation
- Compliance with SOPs, safety, and housekeeping standards