

Job Description

Position: Manager, Plant Manager (Pilot Scale Mineral Processing Plant)

Department: Mineral Processing

Reports To: Director Mineral Processing

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

Role Purpose

The Plant Manager will be responsible for the overall management, safe operation, process performance, and production efficiency of the pilot scale mineral processing and hydrometallurgical plant. The role is accountable for achieving production targets, metallurgical recovery, product quality, process

optimization, and compliance with safety, environmental, and statutory requirements.

The position requires strong technical expertise in mineral beneficiation and hydrometallurgical operations, operational leadership, troubleshooting capability, and coordination with multidisciplinary teams including maintenance, laboratory, QA/QC, safety, and R&D.

Key Responsibilities

Overall responsibility for smooth and safe plant operations, production, recovery, quality, process optimization, Monitoring and operation of:

1. Ball Mill & Grinding Circuit
 2. Hydro cyclone Classification
 3. Flotation Circuit
 4. Roasting
 5. Leaching
 6. Purification & Precipitation Systems
 7. Filtration, Drying & Utilities
- Ensure achievement of production targets, metallurgical recovery, and product quality.
 - Process monitoring, troubleshooting, mass balance, and metallurgical accounting.
 - Coordination with maintenance, laboratory, QA/QC, safety, and R&D teams.
 - Ensure compliance with safety, environmental, and statutory requirements.
 - Lead plant teams for operational excellence, team management and continuous improvement.
 - Exposure to commissioning and scale-up activities will be an added advantage.

Stakeholder Interfaces

- Maintenance Team
- Laboratory / QA/QC Team
- R&D / Process Development Team
- Management Leadership

Key Competencies

- Plant Operations Management
- Mineral Processing & Hydrometallurgy Expertise
- Process Optimization & Troubleshooting
- Team Leadership
- Safety & Compliance Orientation
- Analytical & Problem Solving Skills

Qualifications

- B.E./B.Tech/M.Sc. in Metallurgical / Mineral Processing / Chemical Engineering

Experience

10–15 years of relevant experience in pilot-scale / commercial Mineral Processing, Beneficiation, Hydrometallurgical or Chemical Process Plants, with hands-on exposure in plant operations, commissioning, process optimization, metallurgical accounting, troubleshooting, team management, safety compliance, and continuous improvement initiatives. Experience in pilot plant scale-up, rare earth / critical minerals processing, and commissioning activities will be an added advantage.

Key Success Indicators

- Safe and uninterrupted plant operations
- Achievement of production and recovery targets
- Consistent product quality and process stability
- Effective team management and compliance adherence
- Successful commissioning / scale-up support initiatives