

# VIKAS KHANDELWAL

Asian Paints Ltd

Sohar, Sultanate of Oman

Mobile: +968 96291870 | +91 8107362170

E-Mail: [vikaskhandelwal62@gmail.com](mailto:vikaskhandelwal62@gmail.com) | [vks.khandelwal@rediffmail.com](mailto:vks.khandelwal@rediffmail.com)

---

## Summary

---

Engineering professional with around 11 years of versatile experience in Plant Engineering, Maintenance & projects. Hands-on experience in plant maintenance & Projects handling in various industries (Paint / Cement). Expertise in all types of rotary & stationary equipments. Experienced in Greenfield Project.

### Major Roles handled:

- Operation and Maintenance of Process Equipments, Utilities, Plant infrastructure, Fire Fighting & Suppression system.
- Process Improvements, Engineering related procurement – Spares, Services
- CAPEX Preparation – Concept notes for capex approvals, Budgeting and Execution.
- Vender development, Statutory compliance, ISO and EHS Management systems
- Implementation of Kaizen, Six Sigma and 5S.

---

## Work Experience

---

### 1. **Executive – Plant Engineering & Projects** **Asian Paints** **Aug 2014 to Present**

#### Growth Path:

Aug'14 – March`17

Officer - Plant Maintenance

March'17 – March`20

Senior Officer- Plant Engineering

March'20 – Present

Executive - Plant Engineering & Projects

#### Key Responsibilities: -

#### **Engineering Function**

- ⊕ Managing of engineering team and timely review - Preparation of KPI & Targets, Preparation of Training Program.
- ⊕ To ensure healthiness of all Plant machineries ( Production and Packing machines), utilities (Compressors, Chillers), Pumps, Gear Boxes, Dust Collector / Fume Extraction Systems, ETP / STP equipments, Solvent Recovery Units, FLP/NFLP Motors, MLVP/iMCC/MCC Panels, Conveyors / Lifting Machines, Hoists, Flowmeters, Material handling equipments.
- ⊕ To ensure timely Inspection and maintenance of Bulk Storage tanks for Solvent and Emulsions, Pallet racking Systems (Selective/Drive-in),
- ⊕ Ensure timely completion of Preventive / Shutdown / Major Maintenance activities. Planning & effectuating of preventive / predictive condition based maintenance schedules of various machineries and equipment to increase machine uptime and equipment reliability. To ensure completion of B/down in min possible time to minimize the production loss.
- ⊕ To carry out root cause analysis of repeated / major breakdowns and implementation of derived action plans.
- ⊕ Preparation of engineering reports - Utility data, machine health report, MTTR, MTBF data, critical machines status records, breakdown data and analysis report etc.
- ⊕ Timely review and finalization of all Annual maintenance contracts and renewal of AMCs.
- ⊕ Maintaining and review of SPC, SWC on timely basis to identify the gaps between actual and target.
- ⊕ To take up and complete improvement projects to improve production capacity / efficiency, safety.

## Engineering Procurements & Inventory management

- ⊕ Maintaining required stock level of the spares-parts inventory.
- ⊕ Responsible for purchasing of all Engineering Spares through detailed process – Identification of vendor, obtaining quotation, preparation of cost and technical comparison, negotiations, vendor evaluation and selection and placing of purchase order post approvals and tracking to ensure timely delivery.
- ⊕ Identification of critical spares and defining ROL of all spares. Annual review of critical spares list and ROL.
- ⊕ Timely review of critical spare stock to maintain correct stock levels.

## Engineering Expense Planning & Budgeting

- ⊕ Responsible for budgeting cost of spares, services and other building repairs, Optimization/Control, CAPEX preparation. Review of expenses against budget on monthly and quarterly basis.
- ⊕ Responsible for planning and scheduling of CAPEX works, timely execution, handing over and capitalization post work completion.

## Project management

- ⊕ Responsible for execution of projects – Process Capacity Enhancement, Storage Capacity Enhancement. Modification in existing infrastructure / machineries, Installation of new equipments till handover to user department.
- ⊕ Preparation of BOQ, review with consultant, review of P&ID, PFD and appointment of contractor.
- ⊕ Review of site work progress, Identification and resolution of potential risk for delay in project and solutions.
- ⊕ Ensuring adherence to all HSE requirement at site and safe completion of Project without and incident / accident.
- ⊕ Reviewing daily toolbox for the contractor, weekly safety training for the contract Manpower.
- ⊕ **Experience in Greenfield Paints manufacturing project at Sohar, Oman (Gulf). 25 KL Capacity WB & SB Paint Manufacturing Unit.**

## Health and Safety

- ⊕ Responsible for Maintenance, Inspection & Certification (External and Internal) of Fire Safety Infrastructure as per local / statutory guidelines.
- ⊕ Ensuring implementation and Use of Work Permit System, Tool box meetings, Job hazard analysis.
- ⊕ Implementation of action plan derived from Accident / Near Miss / Proactive Reporting /
- ⊕ Serving as a Member of Environment committee, Plant fire warden and Fire Response team.
- ⊕ To perform safety inspections of the site when work is underway and ensuring regulations relating to health, safety and the environment (HSE) are adhered to.

---

## **Projects Accomplished (Asian Paints)**

---

- ⊕ Project of **Faster Packing Set-up for High Viscous Products. Value – OMR 7600.**
- ⊕ Project of **Hoist System for FIBC Powder Bags charging system. Cost - OMR 4300.**
- ⊕ Project of **588 Pallet Storage G+5 Level Drive-in racking for FG Storage. Cost – OMR 26,500**
- ⊕ Project of **Plant Process water SS Pipeline Replacement ~ 1600 Inch Dia. Cost – OMR 24000**

- ⊕ Project of FAHU (Fresh Air Handling Unit) cum Fume Extraction System for Hardener products. Cost – OMR 9600.
- ⊕ Purchase, Installation and commissioning of below process machineries –
  - **Basket Mill** for SB Paints – Capacity 600 Ltr
  - **Twin Shaft Disperser** – Capacity 2 KL for NC Primer Production
  - **High Speed Dispersers** – Capacity 1 KL for WB Paints
  - **Storage cum Agitation Hopper** – Capacity 4 KL for Putty / Thick Paints
- ⊕ **Installation and commissioning of:**
  - Auto-Lift for Material Handling
  - Auto-Palletizer for Material Handling
  - IMCC for Machine Monitoring
- ⊕ **Implementation of online engineering spares management system in Navision**
  - Listing down of all spares of plant machineries and infrastructure
  - Format designing for items codes
  - Code creation of almost 1000+ spares

---

## Work Experience

---

### 2. Senior Engineer – Central Plant Maintenance ACC Cement Ltd July 2010 to July 2014

#### Growth Path:

July`10 – July`10	Trainee – Engineer
July'10 – March`11	Engineer – Maintenance Workshop
March'11 – July` 14	Senior Engineer – Workshop and Central Plant Maintenance

#### Role:

- ⊕ Supervised the preventive and corrective maintenance of plant utilities like Screw Compressors, Reciprocating Compressors, Root Blowers, repairing of all types of water pumps like Centrifugal pump (Monoblock / Multistage ) screw pumps, diaphragm pumps, gear pumps etc.
- ⊕ Inspection and maintenance ( LTC, MHI, CRG ) of HHP gear boxes
- ⊕ Maintenance of ID and FD Fans – Bearing inspection/replacement, Coupling replacement, Static Balancing and Alignment
- ⊕ Accountable for shutdown jobs of plants like Kiln Thrusters Maintenance, Cooler Clinker breaker hammer replacement, Cooler Clinker breaker casing repair, Pre-heater flap damper replacement, Inspection of cooler drives, Kiln supporting pier blocks and chair inspection and welding
- ⊕ Responsible for operation of machine shop of plant consisting of Centre Lathe, Radial Drilling Machine, Boring Machine, Milling Machine, Planner Machine, and Bench Grinders; Shaft Size making, Drilling jobs, coupling size making, key-Way formation, Threading, Turning and Boring operations.
- ⊕ Served as a core team member of plant safety circle & responsible for FPE lifting & supporting load

#### Role (Engineer Trainee):

- ⊕ Study of Cement manufacturing – Process and Flow of cement within the plant by rich experienced and trained tutors from cement and technical fields. Theory study of various equipment's involved in cement manufacturing with practical session at plant.
- ⊕ Practical and theory study of maintenance of equipment's involved and their maintenance strategies in plant for practical session and theory in classrooms.
- ⊕ Study of other aspects as like process parameters and electrical parameters.

---

## Projects Accomplished (ACC Ltd)

---

- ⊕ **Installation of Cement Putty production system** – Entire Project was done by workshop team.
- ⊕ **Energy saving in compressors by modification & reinstallation of compressor & air lines.**

- ⊕ **Set up of Safety Park in Plant** –Provided the idea of set-up of Safety Park in plant whose main purpose is to provide safety induction and demonstration of safety aspects in plant.

---

## **Trainings**

---

- ⊕ Fire fighting and Fire Warden Certification training from M/s National Training Institute, Sohar.
- ⊕ Operation of iMCC Panels, Tesys–U, Tesys–T and MFM feeders, SCADA from M/s Supertech Instrumentation, India.
- ⊕ One Month industrial training taken at **Hindustan Zinc Ltd. Chittorgarh (Raj)**
- ⊕ 5 Days training on **Accident investigation and reporting** at ACC Thondebhavi.

---

## **Educational Qualifications**

---

### **Bachelor’s degree in Mechanical Engineering**

PY – 2018, from The Institution of Engineers Kolkata with **CGPA 7.47**

### **Diploma in Mechanical Engineering (72%)**

PY – 2010, from Govt. Polytechnic College, Chittorgarh (Raj) with **71.98%**

Matriculated (10th) from Govt. H. S. School, Deeg (Bharatpur), affiliated to Rajasthan Board Ajmer in 2007 with 80 %.

**Pursuing MBA in operations Management from NMIMS (Narsee Monjee Inst.)**

---

## **Personal Details**

---

Date of Birth:	25 <sup>th</sup> July 1992
Nationality:	Indian
Sex:	Male
Languages Known:	English, Hindi and Basic Arabic
Address:	Falaj Al Qabail, Sohar, Sultanate of Oman