

CURRICULUM VITAE

Mr. **Vinay Prakash Bait.**

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Carrier objective:

Dedicated individual with knowledge and experience in the field of engineering. Currently looking for a mechanical engineering job position in an organization where ability to measure the efficiency of mechanical tools for proper functioning will be utilized. Willing to work as a key player in challenging & creative environment and to seek a challenging position and to dedicate my service to a reputed organization to expose my talents and skills.

Academic credentials:

- Completed SSC from Maharashtra state board.
- Completed Diploma in Mechanical Engineering with first class from MSBTE.
- Completed BE in Mechanical Engineering with first class from Mumbai University (PHCET).

Qualification	School/college	year	Percentage/CGPA
BE (Mechanical)	Pillai HOC College of Engineering and Technology, Rasayani.	2019	6.94
Diploma (Mechanical)	Pillai HOC Polytechnic, Rasayani.	2016	73.18%
SSC	Kolad High-school, Kolad.	2013	78.00%

Total Experience: From NOV 2019 to till present.

Presently working in **Sudarshan Chemical Industries Limited, Roha.**

Company Profile:

Sudarshan chemical industries Ltd is largest pigment producer in India also, only effect pigment producer in India. SCIL is the first chemical company in India to be awarded the ISO 9001 certificate in 1993 and continuously evolve and improve ourselves throughout to maintain high quality standards at every level of the company. We are also accredited with ISO 14001, ISO 18000 and ISO 17025 international quality standards.

Designation: - Jr. Executive (Mechanical Project & Plant Maintenance Engineer)

- 1) To carry out Preventive maintenance & breakdown maintenance for Mechanical Dept.
- 2) Planning and executing daily maintenance activities.
- 3) Allocating resources as per maintenance activities.
- 4) Ensure availability of spares for maintenance of equipment's and manage spares inventory.
- 5) Ensure the inspection of spares and periodic inspection of equipment's.
- 6) Planning of preventive maintenance schedules for equipment's.
- 7) Ensure the uptime of equipment's as per production requirement.
- 8) Maintaining equipment's like Rubber lined vessels, gearboxes, agitators, pumps, pipe lines, filter presses, hydraulic units, belt conveyors, tray dryers, pulverisers, dust collectors, blenders, blowers etc.
- 9) Maintain history cards and other records. (SAP)
- 10) Installation of new equipment's, structure fabrication.
- 11) Cost Estimation of project work.

INTERNSHIP:-

- At 'SUDARSHAN CHEMICALS INDS. LTD.' from 02.06.2015 to 01.07.2015
- At 'POSCO MAHARASHTRA STEEL PVT. LTD.' from 19.06.2018 to 13.07.2018

Major Modification & Improvements Jobs: -

- 1) 200 KWh & 140 KWh calciner body replacement with in time bond.
- 2) Replacement of ETP primary clarifier Racker mechanism in capax budget in shutdown.
- 3) Improving the washing time cycle of filtration activity in Filter press activity.
- 4) Improving the output of Spin Flash Dryer (SFD) from 160-170 kg/hr. to 250 kg/hr.
- 5) As part of team to increase the capacity of Quinacridone Plant from 65 TPM to 100 TPM.
- 6) Analysis the problem of vacuum distillation problem in Benzoic acid recovery system & improved its rate.
- 7) Analysis the problem of Fluidized Bed Dryer (FBD) of 500kg capacity in improved the drying time cycle from 6 Hrs to 4 Hrs.
- 8) Replacing the High-Pressure Reactor Mechanical seal up to 40 kg seal pressure.
- 9) As part of team to erection of 50 TPD capacity of solvent recovery plant.
- 10) Resolve the effluent overflow issue of QA100 plant to avoid any production losses.
- 11) Increase the batch size of filter press cake by modification of Filter plates & Also working on Foreign matter to improve the quality of product & customers satisfaction.

Equipment's & Systems Handled & Erected: -

- Pumps - Centrifugal (Golds, Akay, KSB, KPD, Antico, Investa, etc.)
- Screw Pump - (Roto)
- Vertical Pumps – KPD
- Gear – Redicon, Premium, Greaves.
- Diaphragm Pump - Wilden, Lutz, Sandpiper, Price.
- Blowers - Centrifugal & Roots
- Gear Box - Helical, Worm & Worm wheel, and Bevel.
- Reactors – MSGL & MS rubber lined, FRV, MS, SS & Wood.
- Mechanical Seals - Pumps, Reactor (MSRL & MSGL).
- Filter Press Auto & Manually Hydraulic Units
- Blenders & Dust Collectors, Siever, Roto Siever, Muller.
- Dryers – Continuous Dryer and Tray Dryer, FBD, Spin Flash Dryer (SFD), Spray Dryer
- Pulverizes - Pin type, Bar & turbo, Double hammer, ACM,
- Belt conveyor
- Heat exchanger & Condenser
- 200 KWh Calciner
- 50 & 60 TPD Solvent Recovery Column
- Dyno mill, Ball mill, Sand mill, Palla mill, Rod mill.

Work experience: -

- Competency in handling the activities in planning and scheduling various maintenance activities such as Routine maintenance, preventive maintenance, Breakdown maintenance.
- Preventive maintenance activities planning and scheduling on System Application and product (SAP).
- Spares procurement as per the required for maintenance activities on SAP System.
- Monitoring the performance measurement and analysis by following methods.
 - a. Why – Why analysis for any breakdown.
 - b. Root cause analysis (RCA).
 - c. Maintenance record keeping such as mean time to repair (MTTR).
 - d. Mean time between failure (MTBF).
 - e. Hazard Identifications and risk assessment (HIRA).
- Working on SAP for maintenance related activities, such as up gradation of data on SAP for equipment's, analysis of data on SAP and communication systems such as purchase requisition, purchase order, contractors bill data entry sheets.
- Co-ordinating with workers for daily maintenance activities related to work instructions, maintenance material issuing.
- Experience of SAP, IMS, BSC, & Spare management
- Toolbox Talk, Shutdown Planning, technician productivity, KPI dashboard of Maintenance, Coordinate Electrical & Instrument team, Leadership Quality, PADA.

Computer skills: -

Operating Systems	➤ Win XP/Win 7/Win10
Applications	➤ SAP (System, Application and Products) ➤ MS Office ➤ Outlook
Product Design software	➤ Autocad, solidworks, ansys, catia.

Project done in college: -**• Design and Optimization of Chainless Drive***1 Year*

We focus to develop a prototype which we can upgrade an ordinary cycle to collectively increase its speed with minimum human efforts as compared to usual cycle, thus achieving our motive of faster mode of transportation with healthy & fit life.

• Induced Draft Cross Flow Cooling Tower*1 Year*

A cooling tower is a heat rejection device which extracts waste heat to the atmosphere through the cooling of a water stream to a lower temperature. Our aim was to increase the effectiveness and efficiency of the tower and we achieved.

Personal profile:

Date of Birth : - 3rd April 1998
Language Known : - English, Marathi, Hindi.
Marital Status : - Single
Nationality/Religion : - Indian/Hindu
Hobbies : - Playing outdoor games, Traveling, Bike Riding
Address : - At. Navin Gaothan, Po. Kolad, Tal. Roha, Dist. Raigad,
Maharashtra, 402304

Declaration:

I hereby declare that all the above-mentioned information is correct to the best of my knowledge.

Date:

Place:

Your Faithfully

(VINAY BAIT)

