

## CURRICULUM VITAE

**BABLOO KUMAR SAH**  
**(B.E. Mechanical Engineer)**



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**Personal details:**  
Name : Babloo Kumar  
FATHER'S Name : shri Ambika Sah  
DOB : 02/01/1994  
Sex : Male  
Nationality : Indian  
Marital Status : Married  
Hobbies :  
Photography, Cooking.  
Language: English, Hindi.

**Current address:**  
Dahej, Bharuch (Gujarat)

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ECNR : Yes  
DOI : 02/09/2016  
DOE : 01/09/2026

### Salient Features:

- **06+ Years** of overall rich work experience in Petrochemical, Oil & Gas Project & Maintenance to uphold the highest ethical standards and have demonstrated leadership ability.
- Worked for organizations like **RELIANCE INDUSTRIES LTD JAMNAGAR (J-3 Project) & DMD (Dahej), ESSAR HAZIRA & L&T hydrocarbon engineering and currently working as a Mechanical maintenance Engineer at RIL-Dahej manufacturing division, Gujarat.**
- Successfully handed over the piping and Tanks for **Oil & Gas j-3 Projects** up to the worth of **87 Crores.**
- Successfully handed over the FW tank (19MID\*13M HT.-02nos) & MSV (LPG Vessel-500MT-02nos, Propane Vessel-500MT-02Nos) in HPCL, LPG plant **Project, Patalganga** up to the worth of **32 Crores.**
- Responsible for implementing resource deployment plan for **Manpower (Direct & Indirect)** deployment at site as per PEP schedules and ensure that target dates have to be achieved by our contractors/vendors.
- Responsible for physical inspection of Incoming materials w.r.f approved Drawings/Datasheets and reviews the Physically & TPIA (IRN/TC) documents pertaining to respective materials and recorded in approved Format.
- Responsible for approval of job procedure as well as inspection formats pertaining to execution, erection, unloading, lifting of misc. Mechanical equipment.
- Responsible for implementing AFC drawings during construction and give deviation if any as per the site condition, after approval of SER from respective HOD.
- Interfacing with misc. contractors, sub-contractors, vendors and suppliers for execution of mechanical & equipment's works at site.
- Responsible for inspection and ensure implementation of **Mechanical works as per approved QAP/ITP** on regular basis and recorded in approved formats accordingly.
- Strictly ensure action to be taken for comments given by Client and compliance report shall be generated and submit to client for records.
- Verification of measurement sheet for preparation of RA-billing and certified the monthly RA invoices for work done by contractors/vendors.
- Preparing/Reviewing misc. progress reports i.e., **Daily, Weekly and Monthly Progress Reports.**
- Ensuring safety norms and other statutory documents during construction phase i.e., **PF/ESI, Toolbox talk, JSA, HSE awareness** campaign etc.
- Coordinate Internal and Client audit request, facilitate audit procedures of engineering System within the department.
- Attending to the **Execution, HSE and Quality** related meetings of the company on company's behalf, with Client and Contractors/Vendors.
- Responsible for overseeing, auditing and managing the purchase of company assets/components related to the department and the overall management of the records and maintenance of the company assets at site.
- Preparation of **Activity Data Reports, As Built, Reconciliation and Final Documentation (Hard/Soft Copy Both)** as per tender requirements.

## Professional Experience:

4) Currently working in "Reliance Industries Ltd" at Dahej Manufacturing Division (PVC/VCM) Plant As a **Manager (Mechanical Maintenance Engineer)** since Feb-22 to till Present.

- **Projects: VCM/PVC unit routine maintenance related activity in RIL Dahej.**
- **Shutdown:-** Completed shutdown in VCM, GCU & PTA Plant at DMD Dahej.

## Job Profile & Key Skills:

- Skill of maintenance activities of wide range of equipment like Heat exchanger, Column, Vessel, Reactor, Blower, Agitator, Pumps, Compressors, Isolation Valves, Piping, WHB, Incinerator, Tank, PSVs & CUI of equipment's & Piping etc.
- Participated in Pre start up safety review for the various level for commissioning stages.
- Estimation of resources such as spares, manpower, consumables for maintenance activities & purchase requisition.
- Planning and Scheduling of PM and CM of various equipment's, RCM and failure analysis of equipment's
- Shutdown, Turnaround and material and Resource planning of mechanical activities
- Reviewing spares for trouble free operation of static / rotating equipment and ensuring their availability.
- Expert in Job pack preparation for the contractor according to identified scope of work
- Equipment categorization and maintenance history capturing.
- Tracking and publishing the Purchase requisition & progress report, for the management as per the requirements
- Equipment and piping erection and commissioning, PSSR and check against the SMP and SOP.
- Contract management and Billing according to the assign work order
- Ensuring quality and safety of all jobs planned and executed as per the organization standards
- Prepare Management of Change (MOC) documentation for physical changes in assigned areas & their implementation.
- Assessing failure rates and increasing reliability of the equipment's through various techniques of maintenance like PM, LLF, Conditional Monitoring. Ensuring quality and safety on all jobs planned and executed as per the O&M requirement.
- Active participation and involvement of all management initiatives for enhancing operation and safety culture, various training and knowledge programs in oil and gas industry.
- Examine and verify permits and inspection records.
- Recommend actions to correct safety hazards.
- Final hand over of shutdown activities and documents to the C&I team.
- Knowledge of preparation of shutdown/turnaround material, task list wise work packages with all required data.
- Highlight any critical issues related to equipment quality, reliability or repeated failure.

## Maintenance Planning

- ❑ Proficient in Computerized Maintenance Management Systems (CMMS)
- ❑ Coordination with Maintenance & Operations Department to ensure Effective Maintenance Planning.
- ❑ Knowledge of Equipment Creation, Maintenance Plan, Maintenance Plan Scheduling.
- ❑ Preparing Approval Notes, Monthly Reports, Monthly Performance Reports, Work Order Management Report, Failure Analysis Reports.
- ❑ Proficient in handling the project operations entailing planning, resource utilization, quality

management & manpower management.

- ☐ Estimate, prepare and assign the resources such as manpower, materials, consumables, equipment, tools, etc., required for all mechanical and related works prior to execute.
- ☐ Ensuring all materials used and work performed are as per specifications.

**3) Previously working in L& T Hydrocarbon Engineering as a PMC (Mechanical Engineer) at HPCL, LPG PLANT PATALGANGA (MAHARASTRA) since Oct-20 to till Jan-22 and seeing all Mechanical activities for the Project**

**The project details are as follows:**

- **Project title:** HPCL, LPG BOTTLING PLANT PATALGANGA, Raigad (MAHARASHTRA)
- **Project brief:** The objective of the project is to increase Piping like FW, CW, IA, SW, LPG (Liquid/Vapor), PROPANE (Liquid/Vapor), DELUGE WATER SPRINKLER SYSTEM etc. AND FABRICATION, ERECTION AND INSTALLATION OF FIRE WATER TANK-02nos (19M ID X 13M HT.), Service & Cooling water tank. FABRICATION, ERECTION AND INSTALLATION OF MOUNDED STORAGE VESSEL -02 NOS LPG (500MT CAPACITY, 6M ID X 40M LENGTH), MOUNDED STORAGE VESSEL-02 NOS PROPANE (500MT CAPACITY, 6M ID X 40M LENGTH). PEB/Pipe Rack ERECTION OF APPROX- 1500MT (Shed-10nos, FWPH, LPG Pump house, Pipe rack, Pipe Bridge). Erection & Alignment of Equipment (static, Rotary). Status of procurement items of vendor, Material management, preparation of Inventory list and updated in excel sheet (MRR, FIM, IMIR etc.). All seeing Quality engineer activities for Tank, Piping, structure, vessels inspection with as per API-650, B31.3 AND PD-5500. Also seeing NDT activities like weld visual, DPT, RT, MPT, UT etc. Also, NDT Test for mechanical activities like shot Blasting/Painting, wrapping and coating of UG Piping, Hydro test, pneumatic test, vacuum box test, diesel oil chalk test, ASR, BSR, diesel method SR, holiday test etc.
- **Client:** - Hindustan petroleum corporation Ltd.
- **Cost:** - 250 crores
- **Completion time:** - Mar-2022

2) Previous working as "Dr. Amin controllers pvt ltd" as a **TPIA** in CGD project Delhi since Aug- 2019 to Mar-2020.

1) Previous Working as "**TARACHANDRA ENGINEERING PVT LTD**" as a **MECHANICAL Engineer** in **J-3 Project, Jamnagar (RIL)** since **Nov-16 to May-2019** and seeing all Mechanical activities for the project.

**The project details are as follows:**

- **Project title:** IIR & HIIR & J-3 PROJECT (PFS-2, SFS, PX-4, PPDBN, AROMATIC etc.) **Jamnagar** (A Unit of RELIANCE INDUSTRIES LTD, GUJRAT, India)
- **Project brief:** The objective of the project is to increase Piping like MS, MC, RC, WQ, AI, WF, WC, LS, LC pipeline to connecting from unit 8 to Unit -9. WQ & RC Mainline piping connecting from pumps, vessels to SDU & VCU. Also completing of all **Ducting** work in IIR project.
- **Client:** RELIANCE INDUSTRIES Limited, Jamnagar.
- **Cost:** 187 Crores
- **Completion Time:** Sep-2019
- **Piping & Structure:** 145000 Inch Dia.(18.5KM) Including process, drain, fire water, portable water, Hydrocarbon lines, sprinkler (Deluge) system piping and 148 MT Structure work at SFS.
- Unit piping and misc. types of supports (As per support standard) work **Fabrication, Erection, Testing and Commissioning**. Mechanical Installation Like all types of Valves (Gate Valves, Globe Valves, Plug Valves, Ball Valves, Check Valves, Butterfly Valves, Deluge valves, Safety Valves Etc.).
- **Rotary and Static Equipment:** Double casing multistage centrifugal pumps (BB5 Type API 610), Vertical sump pumps, Displacement water pumps, Fire water pumps, Jockey pumps, Basket filter, Flow meter, Scraper receiver, Scraper launcher, Density meter, Drag-reducing agent, Corrosion inhibitor, Bore well, Desalination

package system, Solar water heater system, Motor operating valve, Pressure valve, etc.

## Nature of Work:

- Leading a project site team to organize smooth execution and project control for timely completion.
- Analysis and study of Piping, Tank, & Rotary and Static Equipment drawings (**P&ID, GA, ISO, Support standard, approved Vendor drawings, etc.**), Procedures, Specifications, Data sheet, and evaluate priority of MTO, arrange fabrication material feed, organize erection and alignment to make the system ready for pre-commissioning.
- Preparation & Review of quantity variation and deviation as per engineering code of requirement, scope estimation from the drawings and data from project/Engg. for finalization of resources.
- Inspection of erection and alignment of piping, static and rotary equipment and Tank construction.
- Responsible for applying API 650, ASME- Sec-ii, Sec-v, Sec ix, ASME B31.1 & 31.3.
- Consultant advice for work procedure, QAP/ITP review and approval, Final inspection and Material clearance.
- Preparation of SOQ and work schedule considering project value and time.
- Material Inspection of delivered equipment's and Coordination with supplier for material delivery.
- Verify the spool requirement for execution of the piping work plan and follow up for the spool status as per the priority.
- Knowledge in various stages of piping execution process viz. spooling, pipe fabrication/erection, welding processes and testing procedures.
- Responsible for pipe fittings and their applications also in codes and standards pertaining to piping.
- Fabrication, Erection, misc. types of supports (As per support standard) for piping, Testing (Hydro test, Pneumatic test, Vacuum Test, etc.), and Commissioning of Process piping, Drain piping, Fire water piping, Displacement water piping, Portable water piping, Sprinkler system, Storage Tanks, etc.
- Installation, Alignment, Pre commissioning and commissioning of Lube Oil Flushing system.
- Installation, Alignment, Pre commissioning and Commissioning of Rotary and Static Equipment's (Centrifugal pumps, Sump vertical pumps, Fire engine pumps & Firefighting system with fire Hydrants and Monitors, Jockey pumps, Displacement pump, Basket filters, Scraper receiver, Scraper launcher, Solar water heater system, Deluge valve spray system, Flow meter, Motor operating valve, Pressure valve, etc.)
- Installation, Alignment, Pre commissioning and Commissioning of Drag reducing agent dosing package & Corrosion inhibitor package. For DRA-Used for the purpose of to increase the flow capacity and for CI- Used for the purpose of Protect to corrosion during flushing in process pipeline.
- Installation, Alignment, Testing and Commissioning of Valves (Deluge valve, Gate valves, Globe valves, Plug valves, Ball valves, Check valves, Butterfly valves, Safety valves, Diaphragm valve, POV&ROV etc.).
- Certification of RA-Bills and ensure compliance of ITPs required for various stages of piping completion.
- Handling activities involving working out various requirements and monitoring overall project operations for ensuring timely completion.
- Preparation of **Activity Data Reports, As Built Drawing for Material reconciliation and Final Documentation (Hard/Soft Copy Both)** as per tender.
- Preparation & Review of quantity variation and deviation as per engineering code of requirement, scope estimation from the drawings and data from project for finalization of resources.
- Responsible for pipe fittings and their applications also in codes and standards pertaining to piping.
- Planning for fabrication, erection of piping & structural, Installation of rotary & static equipment, various types of testing and commissioning.
- Knowledge in various stages of piping execution process viz. spooling, pipe fabrication/erection, welding processes and testing procedures.
- Verify the spool requirement for execution of the piping work plan and follow up for the spool status as per the priority.
- Accountable to resource utilization to enhance the output.
- Coordinating with related disciplines like fabrication, erection, testing, painting, rotary & static equipment Installation, Pre. Commissioning and final commissioning work.
- Preparation of measurement sheet for verification of RA-billing and the monthly RA invoices for work done by the various activity.
- Review mechanical clearance of ISOs & piping loops .
- Reporting to the Resident Construction Manager regarding all on site activity of work.

### Core knowledge and functional skill area:

- ASNT NDT LEVEL-II (**UT, RT, LPT, MPT**)
- Weld Visual check, Welding check with Fillet gauge, Hydro test, Pneumatic test, Vacuum box test, Diesel oil chalk test, Surface preparation of SA 2 1/2 check with Film/Profile Gauge, DFT of paint with Elco Meter, Wrapping & Coating of UG piping with Holiday test, Cardboard blasting, Flushing, Cleaning, Etc.
- Process piping, Fire water & Utility piping, Cross-country pipeline etc.
- Rotary and static equipment's like Pumps and Storage tanks etc.
- Through Knowledge of drawings (**ISOs, P&IDs, Datasheets, PMS, VMS, GAD, 3D Model, Support standard, Vendor drawing of QAP/ITP, GAD etc.**)

### Professional course and certificate:

- **ASNT NDT LEVEL-II (UT, RT, LPT, and MPT):** - From KDL consultancy for testing technology, Jamnagar (Gujrat).
- **CATIA:** From IT department of professionals in 2016, Bhopal (M.P).

### Software skill:

- SAP, MOSS, MS Word, MS Excel, MS Outlook, Boxer & MS Power Point, Auto cad viewer, Navisworks (3-D model review) , MS Team, Skype etc.

### Educational details:

- B.E (**Mechanical Engineering**) from TECHNOCRATS INST. OF TECHNOLOGY, Bhopal. RGPV BHOPAL (M.P) in 2016.
- ☐ Intermediate with science (Physics, Chemistry and Mathematics) from National college Barauli, Gopalganj, B.S.E.B in 2011.
- Metric (as per syllabus) from S P High School Siwan, B.S.E.B in 2009.

### Achievements:

- Received certificate for Discipline Committee by TIT GROUP OF COLLEGES"
- Received certificate for participating in Major training in Tata Motors pvt ltd. In 2016.

### Declaration:

I hereby declare that all the information furnished above are true, complete, and correct to the best of my knowledge and belief and will be supported by original documents whenever required.

*Date & Place: 2023 (Gujrat)*

*(Babloo Kumar Sah)*