

RAVI VAGHELA

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CAREER OBJECTIVE

Seeking assignments in the areas of Mechanical Engineering, Project Management, Maintenance, Installation, Research and Development, Project Planning and Document Control with a growth-oriented organization.

SYNOPSIS

- ❖ Incisive professional with over 3 years of rich experience in Mechanical Engineering, Project Management, Fabrication, Installation, commissioning, Inspection and Testing, Project Planning and Document Control in Chemical Industry.
- ❖ Experience of Animal Feeding Plant Projects.
- ❖ Handled 3929 MT Fabrication, Erection and Inspection of 1500 TPD Soda Ash Project.
- ❖ Experience of Quality Control in Investment Casting Industry.
- ❖ Proficient in Projects, Research and Development, Document control, Planning, Quality Control in Chemical Industry.
- ❖ An effective communicator with excellent relationship management skills and strong analytical, problem solving & organizational abilities.

WORK EXPERIENCE

1. CREMACH PVT. LTD. (Animal Feeding Plant)

April 2021 to Continue

Designation: Assistant Manager Projects

RESPONSIBILITY & JOB PROFILE

- ❖ Knowledge of Animal Feeding Plant like Cattle feed, Poultry feed, Shrimp feed, Fish feed plants.
- ❖ Knowledge of Equipments like Hopper, Batch mixer, Hammer Mill, Pellet Mill, Conveyors, Bucket Elevator.
- ❖ Coordinating the project team at all stages and providing solutions to problems.
- ❖ Coordinating with Procurement department to avail material, equipment on time at site.

- ❖ Coordination with Fabrication department to provide material and fabricated equipment on time at site.
- ❖ Coordinating with Dispatch department to deliver equipment on time at site for particular project.
- ❖ Ensuring procedures are carried out safely.
- ❖ Maintained filing of individual project work with supporting documents.
- ❖ Maintain safe working procedure, Resources management & documentation of progressive report.

2. INTOLCAST PVT LTD. (Investment Casting Foundry)

December 2020 to January 2021

Designation: Engineer (Quality Control Casting)

RESPONSIBILITY & JOB PROFILE

- ❖ Follow SOPs and work instructions to perform quality control inspections and testing including receiving, in-process and final acceptance inspections.
- ❖ Maintain records for receiving, in-process and final acceptance inspections.
- ❖ Assists in developing quality control inspection forms and quality control inspection procedures.
- ❖ Ensures materials and products are in accordance with established tolerance levels.
- ❖ Knowledge of Investment Casting Process.
- ❖ Assists with Internal and External audits, audit readiness and preparation.
- ❖ To actively engage in ensuring a safe working environment for all associates within the company.

3. RSPL LTD. (Soda Ash Project: 1500TPD)

September 2017 to September 2020

Designation: Engineer (Mechanical)

RESPONSIBILITY & JOB PROFILE

- ❖ **Projects:** Fabrication and Erection of Crude brine Tanks, Fire water tanks, Purified sea water tank, Contaminated condensate tank, Demin water tank, Process water tank, A liquor tanks, Mother liquor tanks, Salt dissolver tanks, Dissolver feed tank, Process water tank, Spray water tank, Lump lime bunker, Powder lime bunker, Soda ash storage Silos, Soda ash Bagging hoppers.
- ❖ Handled total scope of 3929 MT Fabrication and Erection.
- ❖ Installation of FRP 400NB Pipeline, Ducts, Centrifugal Pump, Distiller, Reactor, Silos, Bagging Hoppers, Fire Fighting Line, Plate Heat Exchanger, Sodium Sulfide Tank, LDO tank etc.
- ❖ Managing and Supervision of construction activities carried out by contractors, ensuring scope of work is achieved in accordance with contract requirement and time frame, and compliance with

specifications and standard established.

- ❖ Monitoring Mechanical clearance & NDT clearance of Test package along with client & contractor & supporting role in pre-commissioning & commissioning activities.
- ❖ To conduct and witnessing the Hydro-test, Vacuum box test, Pneumatic-test of Tanks.
- ❖ To conduct the weekly meeting with contractor & review the daily progress. Ensure that work permits and safety standards are always practiced at work site as per project HSE policies.
- ❖ Calculation of Material requirements and Costing.
- ❖ Apply for daily vessel entry, working at heights permits.
- ❖ Manpower and Material Management.
- ❖ Professional in Equipment Layout, GA drawings, Foundation drawing, Orientation drawing, P&IDs, Plant layout.
- ❖ Knowledge of API 650, API 620 Standard.
- ❖ Execution of construction activities of the projects according to the schedules.
- ❖ Budget Tracking and Billing of particular project work.
- ❖ Preparation of crane schedule for proper utilization of equipment.
- ❖ Ensure that all site operations were carried out in safe productive manner.
- ❖ **Quality Control:** Inspection and Testing Equipments like Storage Tanks, Bunker, Silo, Hopper, using NDT i.e. LPT, Radiography, Vacuum box testing, Oil test, Hydro test.
- ❖ Inspection of Material and Orientation of equipment as per Drawing.
- ❖ Blasting and Painting of Tanks, Bunker, Silos, Reactor, Hopper etc.
- ❖ **SAP MM Module:** Material Code Creation, Asset card creation, Manual and Service PR generation, Material Reservation, Service Entry etc.
- ❖ **Planning:** Planning and Co-Ordination with Contractors other concerned departments and agencies like Civil, Contracts, electrical & instrumentation and operations departments.
- ❖ Preparing reports to track the progress of each phase of construction.
- ❖ Coordinate with project team and relevant agencies to maintain regular work status updates.
- ❖ Preparing daily progress reports and weekly progress reports.
- ❖ Shift Schedule as per HOD Guidelines.
- ❖ Planning and Scheduling of various Project workloads.
- ❖ Approved Budget Tracking and Billing of particular project work.
- ❖ Planning and Scheduling of Engineers Trainings.
- ❖ Arranging meeting as per management guidelines.
- ❖ Making estimations for timescales and costs.
- ❖ Coordinating the project team at all stages and providing solutions to problems.

- ❖ Coordinating with Procurement department to avail material, equipment on time at site.
- ❖ Ensuring procedures are carried out safely.
- ❖ **Document Control:** Maintained Track records of Project budgetary approval note duly signed by management and Material Tracking.
- ❖ Maintained records of Purchase Requisition, Purchase Order, Working Period and Amendments details with date.
- ❖ Maintained filing of individual project work with supporting documents.
- ❖ Maintain safe working procedure, Resources management & documentation of progressive report.
- ❖ Maintained records of all reports in hard copy as well as electronic Soft copy.
- ❖ All documents have no errors in filenames, revisions, submissions, etc. before submitting it to the recipient party to avoid confusion.
- ❖ Developing and maintaining the projects department document control register.
- ❖ Maintaining updated records of all approved documents and drawings in the Document Archive and the File Server with easy traceability.
- ❖ Also, knowledge of ISO 9001, ISO 14001, ISO 45001.

4. NIT SURAT

August 2012 to June 2013

- ❖ **Researcher:** Effect of Cryogenic Treatment of Tool Electrode in Electro discharge Machining Process.
- ❖ The project involved studying the response characteristics like Material Removal Rate (MRR), Tool Wear Rate (TWR) and Surface roughness (Ra) with respect to current and pulse ON time when machining is performed using electrodes subjected to different cryogenic treatment durations.
- ❖ Made Electrodes for machining. Liquid Nitrogen has been used for cryogenic treatment. Machining has been done using copper electrodes on SS304 steel material. Operated EDM Machine. Used Mitutoyo Surface roughness tester.
- ❖ It has been observed that cryogenic treatment of tool electrodes results into reduction in tool wear rate.
- ❖ Relatively lesser influence of the same has been observed on material removal rate and roughness.

COMPUTER PROFICIENCY

- ❖ Basic knowledge of Pro-e Wildfire5.0
- ❖ SAP MM Module
- ❖ Microsoft Office

EDUCATIONAL QUALIFICATION

- ❖ M.TECH (Mechanical Engineering)
National Institute of Technology (NIT), Surat in the year 2013 with 9.03 / 10.0 CPI.
- ❖ B.E. (Mechanical Engineering)
Birla Vishwakarma Mahavidyalaya, Vallabh Vidyanagar, Gujarat, Sardar Patel University in the year 2010 with 66.12%.
- ❖ H.S.C.
Swami Vivekanand Vinay Mandir, Junagadh, Gujarat State Board in the year 2006 with 58.20%.
- ❖ S.S.C.
Manas Bharati Vidya Bhawan, Junagadh, Gujarat State Board in the year 2004 with 74.86%.
- ❖ Technical Highschool
Government Technical Highschool, Junagadh, Gujarat State Board in the year 2002 to 2004 in the subject of Engineering Sketching Drawing and Drafting with 95/100 and 97/100 in S.S.C.

CURRICULAR AND EXTRA-CURRICULAR ACTIVITIES

- ❖ Participated in Technical Quiz in B.E organized by Institution of Engineers India.
- ❖ Attended Personality Development Program organized by Globarena, Hyderabad.
- ❖ Member of ISTE student's chapter in B.E.
- ❖ Organizing member of M.Tech. convocation 2012.
- ❖ Organizing member of "Recent Advances in Manufacturing-2012", National conference at SVNIT.
- ❖ Attended one-week continuing program on "Fundamentals of Material Processing" at SVNIT.
- ❖ Attended one day seminar on "Recent Trends in Industrial Engineering" at SVNIT.

ACHIEVEMENTS

- ❖ International Conference Research Publication
- ❖ Cleared GATE2011, GATE2014.

TECHNICAL VISITS

- ❖ Power Build Ltd.
- ❖ Sardar Sarovar Narmada Nigam Ltd.
- ❖ Intricast Pvt Ltd.

PERSONAL COMPETANCIES

- ❖ Hard Working
- ❖ Cooperative and Keen observer
- ❖ Good Grasping Ability
- ❖ Positive Attitude
- Can lead organization in the best and positive way
- Good Communication skill
- Ability to work in team
- Strong Analytical skill

INTERESTS AND HOBBIES

- ❖ Indoor/Outdoor Sports
- ❖ Social Media
- ❖ Photography
- ❖ Writer – Respect Women

PERSONAL DOSSIER

- ❖ Date of Birth: 9th August,1989
- ❖ Marital Status: Unmarried
- ❖ Permanent Address: Om Nagar, Block No. - 4/B, Iva Nagar Road, Gandhigram, Junagadh 362001, Gujarat
- ❖ Languages Known: Gujarati, English, Hindi
- ❖ Nationality: Indian

PUBLICATION

Mathai V. J., Vaghela R. V., Dave H. K., Raval H. K., Desai K. P., (2013), " *Study of the effect of cryogenic treatment of tool electrodes during electro discharge machining*", Proceedings of Eighth International Conference on Precision, Meso, Micro & Nano Engineering (COPEN-8: 2013), NIT Calicut, Kerala, December 13-15, 2013, pp. 680 – 684.

DECLARATION: I hereby declare that the information furnished above is true to the best of my knowledge.

SIGNATURE: RAVI VAGHELA