**AYYARTHODI RAVINDRANATH**

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# Intend to build a career in a leading corporate with experienced people, which will help me to explore myself fully and realize my potential and contribute to the organization which I intend to serve.

# CAREER SYNOPSIS

A growth-oriented and highly talented Mechanical Engineer with a strong background in product development, design, quality system implementation, meeting customer needs and liaison with customers, Continuous Process Improvement for cost reduction by innovative process improvements, root-cause analysis and experience in leading team members. I have 34 years of rich experience in which 03 years in consultancy; 21 years in the field of hot-dip cold rolled coil continuous (annealing furnace & wet flux line) lines, structure galvanizing, CCL and wire drawing & wire product lines viz. roofing nails, wire mesh & BRC, barbed wire, chain link, etc. and Pressure cooker, Non stick & Enamel cookware utensils; 3 years in petrochemical field and 7 years in the field of solvent extraction of vegetable oil from oil seeds as well as excellent communication and leadership skills.

**At present** working as a Consultant, handling Project execution/Operation; Plant start-up & Handover; Conducting Plant performance studies, Safety & Energy audits; Preparing for ISO audits; Third party Inspection, etc; Already completed galvanizing plant project of M/s. Inframat Alloys Pvt. Ltd., Hosur, Tamil Nadu, India, manufactures – galvanized coils; round, square, rectangular G.I. pipes; structures for galvanizing used for roofing, fencing, shed fabrication, telecommunication tower, solar panel mounting fittings, etc.

* An experienced team leader with the ability to initiate/manage cross-functional teams and multi-disciplinary projects, and to deliver cost reduction using VA/VE concepts and process improvements.
* Analytical thinking, decision making and problem solving skills and strong innovative experience.
* Proficiency in managing projects, execution & commissioning, operation &maintenance of machines & equipment’s with proven abilities in reducing downtime & cost, enhancing operational efficiencies and contribute to achieve the business plan.
* Executing cost saving measures to achieve substantial reduction in terms of equipments, manpower and machine utilization.Knowledge on conducting third party inspection and ISO & safety audits.
* Strategic planning, execution, organizing with demonstrated Steel Product Development.
* Effective communicator & team leader with strong analytical, problem solving & continuous learning attitude. Quick & prompt in decision-making during site executions.
* Maintaining the equipment in healthy condition by using the Condition Monitoring & Analysis techniques like Vibration Analysis and Balancing.
* Day to day operational and Maintenance activity & long term planning & scheduling, co-ordination and implementation , Budget preparation, Manpower deployment, Close loop monitoring of work progress, criticality and delay analysis, Review of daily activity etc.
* Inventory control, consumable & spares parts management, purchase planning.
* Adaptability to different cultures/environment and tolerant under stressed situations.
* Effective listening, keen observation skills trained to spot abnormalities in process & product variations and generate creative/effective solutions.Tenacity and honesty & sincerity in all my tasks.
* Identifying & organizing training needs of team assistants with effective follow up of assigned tasks.
* Expertise in determining company’s mission & strategic direction as conveyed through policies & corporate objectives; successful management of entire operations with focus on top line and bottom-line performance.

**Key Result Area In Project:-**

* Four hot-dip Galvanizing Plant project (**BRONX**, Australia; **ROLLCON**, India) viz. M/s. **Kenya General Industries Ltd.**, Mombasa, Kenya**;** M/s. **Tororo Cement Ltd.**, Tororo, Uganda**;** M/s. **R.D. Roofing & Wire Products Ltd.**, Dar-Es-Salaam, Tanzania**;** M/s. **Societe Industrielle de Bois et d’Acier**, Dakar, Senegal and one TOC/CCL (**INCO**, SPAIN) plant project (M/s. **Tororo Cement Ltd.**) successfully executed.
* Completed the Erection & Commissioning of HR CTL (HK FURUI, China), Manual CTL for CR & GI Sheets, Wire Drawing & Roofing Nails line, Welded Wire Mesh line& BRC (HK FURUI, China), Barbed Wire, Chain Link, Profiler (HAYES, New Zealand), Barrel Corrugation, Lime Plant.
* Completed the project execution of Cold Rolled Coil Annealing Plant, Copper Rolling Mill; Pressure Cooker, Non stick & Enamel Cook Ware plant supplied by M/s. Jonson Appliances.
* Completed the project execution of the pilot plant for R&D of NOCIL (National Organic & Chemical Industries Limited).
* Conceived and commissioned Rice Bran FFA Stabilizing Plant & Cattle Feed Plant.
* Erection and commissioning of EOT Crane, Boiler,**Rotating equipment** like **Compressors, Blowers** and **CentrifugalFans make-VENTIOLDE, BOLDROCCHI** and various types of **Gear Boxes** and its drives, Structure, Pressure part, Piping (Hydraulic, Pneumatic, Steam, etc.).
* Micro & Macro level Planning of Project team members, their responsibilities, project breakdown, budget, Project implementation within the time and budget of **CAT (Committed Activity Target)**schedule; **Managing quality control according to FQP (Field Quality Plan) and maintaining all safety cause**, to avoid any accident in project side.
* Developed strong communication system for the completion of the project at desirable levels;on site Inspection and Parameter verification when work under progress like installation procedure, alignment of rotary equipment, structure alignment, welding procedure.
* To conduct weekly/monthly review meeting with contractors to related to projects; following payments of like erection according to monthly progress and supply payment.
* Handed over all documents, drawings, files, and properly arranged operation & maintenance manuals of the equipments.
* Prepared the closing of project accounts, resolved outstanding payments, collected the dues and accounts settled.
* Settled the crew involved in the execution of the project.
* Conducted plant performance studies and achieved project sponsor satisfaction.

**Key Result Area In Operation & Maintenance:-**

* Address challenges and bottle necks in achieving production targets.
* Recruited to realign and lead technical group in managing productivity, quality and product & process development. Designed and implemented performance planning processes and procedures (CGL, CCL CTL, Wire product).
* Engineered modernization of wire drawing section with annealing furnace to increase the quality of the wire products as well as wire drawing die life.
* Executed product development of diverted weld mesh, for value addition.
* Recommended QC support with spectrometer, mechanical testing lab and microstructure studies etc.
* Launched annual cost reduction of $100,000 by coordinating with external consultant to support engineering added needs for design, development and repair support (Shearing blade, Nails & Weld Mesh M/c.).
* Trained team members to CGL, CCL& CTL operations and heat treatment techniques of galvanizing kettle.
* Increased galvanizing kettle life by 35% by effective operation and reduction in the by-product (top & bottom dross) formation.
* Launched annual cost reduction of $75,000 by reviewing/evaluating the design of furnace and galvanizing kettle.
* Reduced annual scrap by $50,000 achieved by improving the quality of product and process standardization.
* Reduced error rates on product releases by 15% as result of developing and training team members.
* Yield improvement by about 12% achieved; adopted the utilization of furnace flue gas temperature for heating the pre & post treatment sections.
* Achieved 5% cost reduction in power consumption by proper planning of operations during peak hours.
* Trained unskilled locals and developed policies concerning dignity at work and changed the concept of **‘No Hurry in Africa’** in the establishment (M/s. Tororo Cement Ltd.) by fulfilling committed deliveries.
* Conducted **O&M** review meeting, prepared **O&M** reports, implemented **Safety & 5S Activity**;Trained to team members for **ISO 14000 & Environment Management Systems**.
* Increased customer confidence by meeting buyer needs and promptly responding to their queries via email and site visiting thus reduced complaints & indirect costs.
* Handled the maintenance of glass lined reactor, chemical cracker, vacuum distillation, blending & hydrogenation vessels, heat exchangers, condensers, agitators, pressure vessels, reciprocating & centrifugal air compressor, automatic oil fired boiler, thermic fluid heater, cooling tower, chilling & effluent treatment plant and fire fighting equipment.
* Achieved the operation and maintenance of batch & continuous (De-Smet) Solvent Extraction Plants; Have thorough processing knowledge of rice bran, coconut, sal seed, karanja seed, kusum seed, mauwa seed, castor seed, ground nut, etc; Maintained less than 4% Hexane losses; Developed Neutralization& Bleaching of high FFA content oil.
* Developed stabilizing of FFA in rice bran during new season to preserve it for a long time.
* Prepared and presented production budget models according to the company guidelines, ensured all operations are within budget, identified variances between actual and budgeted results, reviewed budget requests for approval.
* Ensured a coordinated flow of work leading to complete manufacture of the product before the arrival of the date promised for delivery; conducted third party inspection; eliminated waste by JIT production.
* Competencies involve:-

**- Plant Projects - Plant commissioning - Cost saving initiatives**

**- Maintenance & Operations - Energy Conservation -Training to Workers**

* **Seminars & Workshops:** Participated in Awareness Workshop on Total Quality Management (TQM) conducted by M/s. Visisht Corporate Growth Associates Pvt. Ltd., Hyderabad, India.
* **Computer Skills:** Adept with MS-Word & Excel and Internet.

# ORGANISATIONAL SCAN

**TORORO CEMENT LTD., TORORO, UGANDA; From July 2012 to September 2015 &From April 2004 to May 2006; Plant Manager (Steel Division);**Manufacture cement (OPC & PPC), galvanized & colour coated roofing sheets, wire & nails, wire mesh & BRC, barbed wire, chain link, HR plates.

**SOCIETE INDUSTRIELLE DE BOIS ET D’ACIER, DAKAR, SENEGAL; From May 2010 to June 2012; Project Manager;** Manufacture galvanized & colour coated coils/roofing sheets, wire & nails, wire mesh & BRC, barbed wire, chain link, HR Sections.

**GOOD LUCK STEEL TUBES LTD., GHAZIABAD, U.P., INDIA; From February 2009 to April 2010; Production Manager;** A 90% export organization; Manufacture galvanized/black M.S.E.R.W. tubes, cold rolled & galvanizedcoils/roofing sheets, transmission and communication towers, substation structures, tubular poles.

**R. D. ROOFING & WIRE PRODUCTS LTD., DAR-ES-SALAAM, TANZANIA; From October 2006 to January 2009; Production Manager;** Manufacture galvanized coils/roofingsheets, wire & nails, wire mesh & BRC,barbed wire, chain link.

**KENYA GENERAL IND. LTD., MOMBASA, KENYA; From December 2001 to December 2003; Production Engineer;** A BRONX CGL; Manufacture galvanized coils/roofing sheets, wire& nails, wire mesh & BRC, barbed wire, chain link.

**VARDHMAN IND. LTD., RAJPURA, PUNJAB, INDIA; From December 2000 to December 2001; Senior Engineer (Production);** A Flat Product CGL; Manufacture annealedand un-annealed galvanized coils/roofing sheets.

**GANESH FERROZINC IND. PVT. LTD., BIRATNAGAR, NEPAL; From September 1993 to December 1999; Production Manager;** A TANISAKA SGL/CGL; Manufacture annealed and un-annealed galvanized coils/roofing sheets; copper wires; Pressure cooker, Non Stick & Enamel Cook Ware.

**SUPERFINE AROMATIC CO. PVT.LTD., BANGALORE, INDIA; From July 1990 to August 1993; Maintenance Engineer;** Manufacture fine aroma chemicals viz. PATCHOL, GARDOVERT, JASMOVERT, HERBOFLOR, ROSOFORN, LAVONYL, CITROL, IONONE, PENYL ETHYL ACETATE, GERONIOL,CITRINALLOL, DIMETHYL OCTONOL, etc.

**JAI BHARAT UDYOG, FORBESGANJ, BIHAR, INDIA; From April 1982 to June 1989; Plant In-charge;** manufacture Vegetable Oils, Cattle Feed, etc.

# EDUCATION

**M.B.A.**

**A.M.I.E. in Mechanical Engineering, Institution of Engineers (India).**

**Professional Membership No.AM 72978/5**

# PERSONAL INFORMATION

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| Father’s Name  Date of Birth  Passport Number  Nationality  Languages Known  Family Status  Sex  Contact Address  Contact No.  Expected Salary | : Shri T. K. Panicker (Late)  : January 15, 1958  : J 0158121  : Citizen of India  : English, Hindi, Malayalam, Tamil & Telugu  : Married with one son doing his B. Tech. At Amrita University.  : Male.  :Ponnath House, P.O.Vadanamkurussy, Dist. Palakkad, Kerala,India. : Pin-679121.  : +91-9947632089/9746805476  : Best in Industry |

# DECLARATION

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

Date:

Place: Signature

(**Ayyarthodi Ravindra Nath**)

