**ACEDEMIC REDENTIAL**

**Metric Pass March- 1999**

Results: First class distinction with 81%

Board: GSEB, Gandhinagar.

**Diploma in Mechanical Engineering November- 2002**

University: C.U. Shah Polytechnic, Surendranagar.

Results: First class distinction with 69%.

Board: T.E.B. Gandhinagar.

**Bachelor in Mechanical Engineering May-2018**

University: L.D. College of Engineering.

Results: First Class with 56%

Board: G.T.U. Ahmadabad.

**SKILLS**

**Maintenance**

* Implementation of TPM activities
* Evaluation of equipments by Overall Equipment effectiveness(OEE), MTBF, MTTR
* Maintaining the preventive maintenance as per scheduled.
* Attending the predictive and breakdown maintenance
* Maintaining Equipment’s Lubrication chart, History Card
* Plan the shutdown works with process coordinator
* Attending the works in desired time frame
* Use & Implementation of new technology for smooth maintenance
* Spare Inventory management
* Equipment’s Erection & commissioning in time frame
* Maintenance activities & troubleshooting
* Maintaining the ISO documents as required

**Projects**

* Plan the capital & revenue projects works
* Evaluate total estimation for the projects
* Making sanctions for desired project for management approval
* Indenting and selecting the proposed equipments and materials
* Making bar chart of project activities and report to management
* Coordinate and follow up with Electrical, Civil, Instrumentation team
* Working with G.A. drawing
* Systematic installation and commissioning of proposed equipments, piping, electrical

**Utility**

* Maintaining whole water management activities
* Maintaining the RO plant with best quality
* Maintaining water generation and consumption
* RO plant maintenance & troubleshooting
* Maintaining membrane chemical cleaning for long life
* Project works for water conservation
* Air compressor Maintenance & troubleshooting
* Reduction of loading hours of air compressor
* Maintaining preventive schedule of air compressor
* Maintaining of Boiler, HAG, DG set stack monitoring
* Maintaining the treated and sewage effluent quality as per G.P.C.B. norms.
* Recycling of treated effluent
* Utilization of Biogas generating from Anaerobic process
* Hazards waste, Kitchen waste management
* Dealing with G.P.C.B.
* Online G.P.C.B. works
* Reuse, Reduce and Recycling
* ZLD
* Scrap management

**Safety**

* Maintaining of inspection, testing and maintenance of fire fighting equipments,
* Implementation of safety rules like compulsory use of PPE’s, Work permit, Machine guards etc
* Erection and commissioning of Hydrant, Fire alarm, Sprinklers systems.

**Energy**

* Power conservation

**Economic**

* Cost Reduction

**IT**

* 2D and 3D drawings with AutoCAD
* Microsoft Office
* ERP and SAP
* Internet

**EMPLOYMENT SCAN**

**Riddhi Sidhhi Gluco Biols Ltd, Viramgam, Jan-2005 to Jul-2008**

**Company profile**: India’s largest starch & starch Derivatives Company.

**Designation**: Maintenance Engineer.

**Job Profile:**

* Implement TPM activities, plans and schedules for maintenance, operations and annual turnarounds with focus on optimum utilization of man powers, machines & materials.
* Maintain documentary records like observation, lubrication, history sheets, ISO etc.
* Maintain and control of Inventory
* Control on cost by avoid of extra man power overtimes
* Taking stringent quality measure including preparation/maintenance of necessary documents & conducting audits to ensure compliance.
* Adopt safely measures to avoid accident
* Communication with production & other department as per requirements.
* Project works – Handling, erection and commissioning.
* Maintenance work

**Experience in Equipments :**

* All the pumps like centrifugal, reciprocating, screw, lobe, gear, metering.
* Mechanical seals for all pumps (Single & double mechanical seal with lubrication arrangements)
* Material drive like screw, chain, peddle
* Grinding machines, Pi mills, Separator, Hydro cyclones, Filter press, screw press, Dryers, Screening system, Evaporators, Celendria columns, Ion exchange columns, Injectors, Roster m/c etc
* Equipments drive like Gear, chain, V belt, coupling etc.

**Accent Microcell Industries, Ahmadabad Sep-2008 to Apr-2009**

**Company profile:** A leading manufacturing and marketing of Microcrystalline Cellulose

**Designation:**  Sr. Maintenance Engineer.

**Job Profile:**

* All the maintenance regards efforts
* Maintain and supply of suitable water quality for process.
* Same as per Riddhi Siddhi employment

**Experience in Equipments:**

* Glass lined reactor maintenance and repair, centrifuge m/c, Spray dryer, Fluid bed dryer(FBD), Pulverizer, Thermic fluid heater
* DM plant, Chemical pumps, FRP Piping

**Maize Products (A Sayaji Unit), Ahmadabad May-2009 to Dec-2010**

* **Company profile:** A division of ‘Sayaji Industries Ltd ‘. It’s leading company of Maize starch & starch Derivatives Company.
* **Designation:** Sr.Maintenance Engineer.
* **Job Profile:** Same as employer Riddhi Siddhi Gluco Biols Ltd.

**Experience in Equipments :**

* Same as employer Riddhi Siddhi Gluco Biols Ltd.
* Additionally Mercos separator, Germ screw press,

**Hindustan Gum & Chemicals Ltd, Viramgam Jan-2011 to continue**

**Company profile:** Hindustan Gum is the largest manufacturer of "GUAR GUM" in the world. It’s Birla Corporation Ltd.

**Designation:** Asst. Manager (Maintenance)

**Job Profile:** Working role in Maintenance, Utility and Safety

* Implement TPM activities, plans and schedules for maintenance, operations and annual turnarounds with focus on optimum utilization of man powers, machines & materials.
* Maintaining documentary records like observation, lubrication, history sheets, ISO etc.
* Control on cost by avoid of extra man power overtimes
* Taking stringent quality measure including preparation/maintenance of necessary documents & conducting audits to ensure compliance.
* Maintaining the preventive maintenance of equipments.
* Attending the predictive and breakdown maintenance works.
* Maintaining observation sheet of critical equipments and according to plan the works.
* Maintaining History sheet of major equipments to evaluate repeated work.
* Co-ordinate with plant managers about shut down works.
* Handling new equipment erection & commissioning work in time frame.
* Maintaining store inventories regarding all maintenance activities.
* Maintaining required spares to avoid emergency
* Plan the capital & revenue projects works
* Evaluate total estimation for the projects
* Making sanctions for desired project for management approval
* Indenting and selecting the proposed equipments and materials
* Making bar chart of project activities and report to management
* Coordinate and follow up with Electrical, Civil, Instrumentation team
* Working with G.A. drawing
* Systematic installation and commissioning of proposed equipments, piping, electrical
* Maintaining whole water management activities
* Maintaining the RO plant with best quality
* Maintaining water generation and consumption
* RO plant maintenance & troubleshooting
* Maintaining membrane chemical cleaning for long life
* Project works for water conservation
* Air compressor Maintenance & troubleshooting
* Maintaining preventive schedule of air compressor
* Maintaining of Boiler, HAG, DG set stack monitoring
* Maintaining the treated and sewage effluent quality as per G.P.C.B. norms.
* Recycling of treated effluent in boiler
* Utilization of Biogas generating from Anaerobic process
* Hazards waste, Kitchen waste management
* Dealing with G.P.C.B.
* Reuse, Reduce and Recycling
* ZLD
* Scrap management
* Hazards waste handling and disposal to TSDF.
* Online GPCB web site works like Monthly Production, Power, Fuel, Water and Effluent data entry, Annual forms (Hazards FORM-IV, Environment statements FORM V) fill up, Compliance report, Replies of GPCB’s inspections, CCA
* Maintaining surroundings as per norms.
* Treated effluent proper irrigation system in company premises
* Control plan for water and effluent as per ISO standards
* Maintaining all the data like Water generation, effluent generation, Hazards waste quantity to TSDF, fuel consumption as per CCA.
* Kitchen waste converting in manure and using in garden
* Project work handling, erection and commissioning in time frame.
* Maintaining of inspection, testing and maintenance of fire fighting equipments
* Implementation of safety rules like compulsory use of PPE’s, Work permit, Machine guards etc
* Erection and commissioning of Hydrant, Fire alarm, Sprinklers systems.

**ACHIEVEMENTS**

* Reduced plant Mechanical breakdowns by implementation of OEE, MTBR, MTTR
* Reduced repeated works by implementation of new technology & training.
* Reduced Air compressor running or loading hours thus economical saving.
* Stopped Air compressor breakdowns by modifications and use of new technology
* Increased the effluent treatment efficiency vice versa production capacity also increased.
* Reduced the effluent generation
* Reduced the hazards waste generation
* Reduced the chemical consumption
* Stopped the air compressor breakdowns
* ETP power consumption 50% reduced by doing several efforts in aerobic system
* Achieved the treated effluent quality in PCB’s norms.
* ETP biogas successfully used in canteen with fully automation. The whole automation system designed in-house.
* Successfully recycling of treated effluent in boiler.
* Kitchen waste converting in manure by installed converter machine with culture.
* Stopped the outsourcing of Narmada water during summer session thus economically benefits
* Reduced the water utilization by installed measuring units.
* Reduced the treatment cost of water and effluent.
* Reduced RO membrane failure.
* Successfully RO reject water managed
* Reduced breakdown hours by doing several efforts.
* Fire hydrant system installed with fully automation.

**TRAINNING/ CERTIFICATION**

* ISO 9001:2008/ ISO 14000:2004 / OHSAS 18001:2007 / FSSC 22000:2010 by Intertek
* ISO/DIS 9001:2015 by Intertek
* ISO/FDIS 14001:2015 by Intertek
* Accident Investigation & Analysis by Gujarat Safety Council
* Fire safety Training by Gujarat Safety Council.
* Quality management system as per ISO 9001:2015 Standard by Quality Growth Services Pvt. Ltd
* First Aid Training by Gujarat Safety Council
* Waste Management organized by Saket Projects Ltd , Ahmadabad.
* FSSAI, Femi-QS, Halal,
* Advance level Training on ETP/STP Design, Operation & Maintenance & Water Reuse-Recycling & Zero Liquid Discharge (ZLD) by Corpotive Research Pvt. Ltd

**REFERANCE**

* **Shri. Amit Modi**

Sr. Maintenance In charge ,

Maize Products,Kathwada.

Contact – 08128687569.

* **Shri. Manoj Rawal**

Dy. Electrical Manager ,

M/s Hindustan Gum & Chemicals Ltd, Viramagm..

Contact – 07698892758.

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