

AKASH SHAH

MECHANICAL ENGINEER

- Dedicated Mechanical Engineer employed by Mahavir Engineering Works, currently assigned to Indian Oil Corporation Ltd (IOCL), specializing in hydrogen compressor, dispensers & fueling station operations. Seeking the role of Mechanical Engineer, leveraging over a years of expertise in the CNG function within the City Gas Distribution (CGD) Industry. Proven track record in commissioning, safety coordination, and maintenance oversight. Eager to contribute strategic leadership, technical proficiency, and a commitment to excellence.

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📍 Vadodara, Gujarat, INDIA

in [linkedin.com/in/akash-shah-445020b2](https://www.linkedin.com/in/akash-shah-445020b2)

EDUCATION

Bachelor of Engineering in Mechanical Engineering

Gujarat technological university Jun 2012 - Jun 2015

7.08 CGPA

Diploma in Mechanical Engineering

Gujarat technological university May 2009 - Jun 2012

7.68 CGPA

EXPERIENCE

O&M ENGINEER (MANAGER)

INDIAN OIL CORPORATION LTD (IOCL)

Jun 2022 - Present

on a role of **MAHAVIR ENGINEERING WORKS.**

Present Currently working at INDIA'S first Hydrogen fueling dispensing Station M/S IOCL Vadodara Gujarat refinery. Commissioning of 2 hydrogen compressors & 2 hydrogen Dispensers with light duty fueling for cars, heavy duty fueling for bus, tube trailer fueling and two chillers (refrigeration system)

- Handling of hydrogen dispensing facilities.
- Handling fueling of heavy duty buses, light duty vehicles and fork lifts systems as per SAE protocols.
- Overall responsibility for the operation and maintenance of the plant and equipment.
- Safety and environment management of the plant Coordinating the work of the O&M staff
- Develop and implement maintenance schedules and procedures
- Ensure that all equipment is properly maintained and operated in accordance with manufacturer's instructions and safety regulations.
- Reporting any problems or concerns to upper management.
- Keep accurate records of maintenance activities and expenditures.
- Assist in the development and implementation of emergency response plans with HSE officer.
- Check inward consignments, issue of material and preservation of material in warehouse etc.
- ensuring that the facilities, layout and machinery used to produce new and existing materials and goods run. This includes total preventative maintenance, managing breakdowns of mechanical, electrical & instrument equipments.

SHIFT INCHARGE (MECHANICAL ENGINEER)

VADODARA GAS LTD. (VGL)

Apr 2016 - May 2022

on a role of **MAHAVIR ENGINEERING WORKS,**

A joint Venture Company (JVC) of GAIL Gas Limited and Vadodara Mahanagar SevaSadan (VMSS) was incorporated on 13th September, 2013 for city Gas Distribution in the city of Vadodara and its adjoining areas.

- Ensuring round the clock safe and smooth operation of CNG facilities in filling station.
- Operation & maintenance (routine, breakdown & shutdown) of engine driven reciprocating KPCL & CP make compressors each of 1200 scmh
- Analyzing abnormal conditions (pressure & temperature) or breakdowns of compressors and coordinating with concerned parties to identify and investigate the cause, suggesting effective solutions and putting together reports for corrective action
- Preparing Annual Maintenance Plan (AMP) as per Vadodara Gas Limited CNG GAS's O&M manual recommended & compliance of AMP.
- Condition Monitoring.
- Inventory Management
- Completed paperwork, recognizing discrepancies and promptly addressing for resolution.
- Created spreadsheets using Microsoft Excel for daily, weekly and monthly reporting.
- Identified issues, analyzed information and provided solutions to problems. Resolved conflicts and negotiated mutually beneficial agreements between parties. Monitored company inventory to keep stock levels and databases updated.
- Preparing daily CNG gas sale reports and producing performance measurement tools to monitor performance of CNG facilities
- Manpower management – managing approximately 50 people in CNG forecourt area & compressor area.

SKILLS

- | | |
|---|---|
| • AUTOCAD | • Time management |
| • MS-Excel | • Control system understanding |
| • MS-Word MS-PowerPoint | • Willingness to learn and ability to be a good team leader |
| • Solid Works | • Good analytical & logical skills |
| • Project execution | • Having leadership quality |
| • Analytical and troubleshooting skills | • Ability to tackle critical situation |
| • Analysis | |

PROJECTS

Hydraulic rolling bridge

- Our project is hydraulic rolling bridge. Bridge is a structure designed to provide continuous passage over an obstacle. Bridges commonly carry highway, rail road lines, and pathway over obstacles such as water way, deep valleys, and other transportation routes. A movable bridge is a bridge that moves to allow passage for (usually) boats or barges. The concept came from a desire to produce a bridge that would open in a more sensuous manner, transforming itself entirely rather than simply lifting up and out of the way.

INDUSTRIAL VISIT

- Visited Wanakbori power plant (02/2012 – 03/2012) &
- Indo German (05/2015 – 06/2015)

LANGUAGES

English

Hindi

Gujarati

AWARDS

Achievements

- Won 1st price in safety technical speech (01/2019) Honored by Vadodara gas limited.

HOBBIES

Dancing
Sports

Trekking
Solving riddles

Chess
Cooking