



# BALAKUMAR

## MEP QA/QC ENGINEER

### CONTACT

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### PROFILE

Dedicated and a hard worker MEP Site QAQC Engineer with 4 + years of experience, skilled in all phases of engineering and maintenance operations, who consistently finish the task within a time limit, ensuring safety and quality of the work and can handle the labors resourcefully.

### SKILLS

- Sound knowledge of engineering fundamentals
- Test building materials
- Practical construction
- Provide cost estimates for materials, equipment, and/or labor
- knowledge of verbal and written communication skills

### EDUCATION

- 2016, DIPLOMA IN MECHANICAL ENGINEERING (DME), UNDER ANNA UNIVERSITY, INDIA, WITH 82% OF CUMULATIVE

### Certifications/Training

- Obtained Certified in PG Diploma in Industrial Process Plant Robotics Automation (PGDIPPRA) from Technocrat Automation Pvt Limited (IAO Accredited), Chennai. With 6 months of hands-on practical experience in Industrial Automation Tools specializing in PLC, DCS, SCADA, and VFD
- Undergone In-Plant training at "Boiler Water Treatment Plant (BWT)" & "Oil Water Treatment Plant (OWT)" used in Process Industries

### EXPERIENCE

**MEP QA/QC INSPECTOR** November 2016 – September 2018  
CEBARCO, BAHRAIN Location: Budaiya, Bahrain.  
**Ministry of Infrastructure & Building Development**

The project at Island 14 & 13 AMAS – construction of 1,618 no's Social Villas, 165 no's Affordable Villas, 4no's 10 storey Affordable Apartments A, 5 no's 5 storey Apartment, Bahrain

- Perform all daily inspection about the quality of construction required in the drawings and specifications for all works under the contract performed ON or OFF site.
- Managed multiple largescale projects at different stages, including irrigation, pipeline, water and sewage, harbors, dams, and channels.
- Installation work of firefighting and fire alarm system installations (fire pumps, smoke detectors, heat detectors, sprinklers).
- Conducted in-depth inspections of electrical plumbing mechanical and installed HVAC systems and providing necessary corrections if needed.
- Testing and Commissioning of HVAC erection & Fire Fighting system.
- Report to the QA/QC Manager, control, and monitor all activities related to the Quality Management System, QMS.
- Execution of the installation, maintenance, repair of plumbing, drainage, and waste line systems.
- Supervise and approve commissioning plans in accordance with project guidelines.
- Landscape and Irrigation Material Inspection and Checking on delivery to Site and during installation. Evaluated work completed and issued approvals or disapproval of license applications based on inspections.
- Drafted and submitted reports of findings

- Undergone training in ASNT LEVEL – II (NON – DESTRUCTIVE TESTING) LPT, MPT, UT, RT, VT, RFI, ECT.

### Technical Skills

- In-depth Knowledge of below disciplines
- ✓ **HVAC systems**
- ✓ **Plumbing systems** including pumps and valves
- Knowledge in erection, commissioning, engineering, controlling & troubleshooting In **OWT** and **BWT**.
- **Hands-on Practical exposure** in brands as **Siemens, AB** (Allen Bradley), **ABB** (Asea Brown Boveri), **Honeywell, Schneider, GE-Fanuc, Keyence, Omron, Messung, Mitsubishi, and Delta**
- **VFD (Variable Frequency Drive)** – Commissioning and Troubleshooting
- **Pneumatics & Field Instruments** (Control Valve, Sensors, Level Transmitters, Flow Transmitters, Temperature Transmitters, Pressure Switches)

### Personal Information:

Date of Birth	23-08-1995
Nationality	Indian
Marital status	Single
Passport No	P2496416
CPR No	950825190
Language ability	English & Hindi.
Experience	4 Years
Driving License	Bahrain Light vehicle

### Software Skills:

Proficient in Microsoft Office applications, particularly Word and Excel, AutoCAD.

**MEP SITE INSPECTOR**  
CEBARCO, BAHRAIN  
**Amazon Datacenter phases-3**

**September 2018 - October 2019**  
**Location:** Hamala, Bahrain.

- Supervise and approve commissioning plans in accordance with project guidelines.
- Compile commission report data for summarizing.
- Evaluated work completed and issued approvals or disapproval of license applications based on inspections.
- Conducted in-depth inspections of electrical plumbing mechanical and installed HVAC systems and providing necessary corrections if needed.
- Site Inspection and co-ordination of complete MEP Works.

**MEP SITE QA/QC ENGINEER**  
CEBARCO, BAHRAIN  
Sports City – Package 2 (The Amphitheatre)

**October 2019 – Till date**  
**Location:** Zallaq, Bahrain.

- Conduct periodic monitoring and inspections of construction sites to ensure compliance.
- Material Approval as per Specification. Reviewing and approval of Workshop Drawings.
- Applying and getting approvals of NOC required, from various authorities
- Having a regular meeting with Client and Contractors for the smooth running of the Project.
- Preparing submittals for getting Quotations for all MEP work.
- Installation and commissioning of freezer and cold room refrigeration system.
- Performed field activities as required for fire pumps, sprinklers, and standpipes job completion
- Coordinated with architects, civil, structural, mechanical, landscape and electrical engineers to produce comprehensive city plan check packages for future projects to ensure success in the building phase
- Used current plumbing code standards and install methods (CA Building Code, CA Plumbing Code, and the Uniform Plumbing Code) to achieve proper approval status.
- Coordinated with builders, superintendents, and field personnel in the building phase.
- Performed pump testing at all facility locations. Conducted pipe and other plumbing material inspections.
- Installed and tested water and sewage lines for office building & theater
- Ensure that any difficulties encountered in engineering activities are reported to the Engineering Supervisor /Manager as per escalation procedure
- Raising inspection for installation of Air Handling Unit & Fan Coil Unit, Chiller Pump, Fire Fighting Pump, Sewer Pump, Transfer & Booster Pumps and Staircase Pressurizing Fan
- Used Outlook, Word, and Excel for daily communication, organization, and planning