

# D/A

# [Dhananjay] [Tejrao] [Arakh]

## OBJECTIVE

[A skilled Mechanical Engineer with inherent leadership abilities, project management skills and extensive on-site and project experience in Pneumatic, HVAC & Industrial Valves. Being a goal oriented person and a team player, can work well under pressure to deliver results. Always willing to innovate new things, which can improve the existing technology.]



### ADDRESS

[Arum – 1201,  
Rosalie LX, Godrej  
Hill]  
[Kalyan West,  
421301]  
[India]



### PHONE NUMBER

[+919167905717]



### EMAIL ADDRESS

[dhananjayarakh777  
7@gmail.com]

## PERSONAL SKILLS

[Leadership Qualities. Ability to Make Decision and Solve Problems. Ability to Plan, Organize and Prioritize Work. Quick Learner. Ability to work in Team. Structure Ability to Verbally Communicate with Persons Inside and Outside the Organization.. Hardworking Quality Punctuality.]

## EXPERIENCE

**[JUNE 2017]-[JULY 2018]**

**[QUALITY ENGINEER] • [SAYOG CORPORATIONS] •  
[Kalyan, India/Mumbai]**

A mechanical engineer working in QC department that is handling the quality of Solenoid valves, Gate valves, Pneumatic Cylinders, Rotary Actuators, etc. A detailed job description is given below :-

### 1) Production Planning Duties

Maintaining Bill of Materials for manufacturing processes.

Coordinating with the Stores for stocking of materials.

Maintaining Production Route Cards for every components manufactured.

Keeping schedules for productions.

Maintaining flow of material from machining process till finishing of material.

### 2) Quality Control Duties

Incoming raw material/outsourced material inspection and maintaining records.

Inline inspection of materials during machining processes and maintaining quantity/quality checks.

Inspection of finished jobs.

### 3) Inspection of solenoid coils.

IR Tests, HV Test and Pickup & Dropout Test,

### 4) Testing of solenoid valves.

Leakage Test, Performance Test and Cyclic Test.

### 5) Testing of Gate Valves.

Hydrostatic Test, Performance Test and Cyclic Test. Performing Liquid Penetrant Tests.

### 6) Preparation of Test Reports, LPE Reports, Inspection Reports, Datasheets, Guarantee Certificates, Hardness Certificate, Gland Packing Test Report etc.

## EDUCATION

1) Yadavrao Tasgaonkar College Of Engineering & Technology. Karjat.

B.E. MECHANICAL - 2017

SGPI – 7.13

2) K.V.Pendhar College Of Arts, Commerce & Science. Dombivli

HSC – 2011

PERCENTAGE – 62 %

3) Balak Mandir English Medium High School. Kalyan

SSC – 2009

PERCENTAGE – 85 %

## PROJECT

OPTIMIZATION OF FLYWHEEL IN ANSYS V17

*Field – Mechatronics (SEM 7 & 8)*

1) We create a parametric model of flywheel in Catia v5/solid works.

2) We import the model in Ansys & analyze it to obtain stresses & mass of flywheel.

3) Manually calculate stress using design parameters for all three steel, carbon fiber & composite flywheel.

4) We compare the theoretical & manual stress results.

Role – Group Leader.

## CORE COMPETENCIES

Mechanical System Designing.  
Refrigeration & Air.  
Conditioning Systems.  
Production Process Heat.  
Transfer Systems Computer.  
Aided Designing Hand.

**[JULY 2018]-[JULY 2019]**

**[QUALITY ENGINEER] • [PVR CONTROLS] • [Kopar Khairane, India/Navi Mumbai]**

A mechanical engineer working in QC department that is handling the quality of Solenoid valves, Ball valves, Shut off valves, Angle valves, Stop Valves, Eductors, Float switches, Float valves, Loading unloading valves, Purge valves, S-180 valves, Hand shut off valves, Strainers, Needle Valve, Non Return Valve, Safety Relief Valve, Water Flow Switch, Humidifiers, Water Storage Tanks, Door Latches & Hinges, Hand Regulating Valves, etc. A detailed job description is given below :-

### **1) Quality Control Duties**

Incoming raw material/outsourced material inspection and maintaining records. Inline inspection of materials during machining processes and maintaining quantity/quality checks. Inspection of finished jobs.

### **2) Inspection of solenoid coils.**

IR Tests, HV Test and Pickup & Dropout Tests.

### **3) Testing of solenoid valves.**

Seat Testing, Body Testing, Piston Testing & Lifting Testing.

### **4) Testing Of Humidifier.**

Flow Test & Float Testing.

### **5) Testing Of Water Flow Switch.**

Flow rate check with flow rate meter by manual operating & automatic with the help of flow sensor.

### **6) Testing of all other valves (BV, SHV, NV, HRV, PV, STRAINER, SRV, NRV).**

Seat Testing & Body Testing.

### **7) Preparation of Test Reports.**

Incoming rejection, IN process rejection sheet, Incoming inspection sheet, Calibration plan, Customer complaints, Defective Parts Analysis Sheet, Final testing report, Pre dispatch inspection report (TC), Guarantee Certificate, Rework Material Inspection Sheet, QAP.

## COMPUTER AIDED SOFTWARES

- 1) AUTOCAD
- 2) SOLIDWORKS
- 3) ANSYS 17
- 4) MICROSOFT OFFICE

## ACHIEVEMENTS

- 1) President Of Mechanical Department- 2016/17
- 2) Played Football At University & District Level.
- 3) Table Tennis Runner Up At College.
- 4) Cricket Winner- 2016/17

**[AUG 2019]-[JAN 2022]**

**[QA/QC ENGINEER] • [SQK VALVES, FITTINGS & AUTOMATION PVT. LTD.] •**

**[Taloja, India/Navi Mumbai]**

A Mechanical Engineer having experience in Quality Assurance & Quality Control. In-charge of Quality documentation, Calibration of instruments, Inspection & Testing of valves. Experience in various quality standards such as API598, API Q1, API600, API609, API6D, API607, API624. Hands on experience in Directorate of steam boiler inspection for valves, Manufacturing system along with Documentation process control. IN Quality Department handling the Quality of Ball valves, Strainers, Needle Valves, Non return valves, Butterfly valves, Check valves, Plug valves, Purge valves, Gate valves, etc as well as Vendor Visits for inspection. A detailed Job Description is given below :-

- 1) Incoming Inspection Of valves according to MSS SP 55 & MSS SP 25.
- 2) Taking dimensions according to approved drawings.
- 3) Preparation of Incoming Inspection Sheet according to API.
- 4) Preparation of QAP.
- 5) Preparation of all documents as per API 6D, API600 & API 609.
- 6) MTC review of Castings & Forgings as per ASTM std.
- 7) Clearing the GRN's.
- 8) NON CONFORMANCED material to be segregated, properly tagged, returned to stores & NCR to be to mailed & submitted to Store Department.
- 9) Daily Accepted Material List to be maintained & forwarded to Final Testing Department.
- 10) Organizing & Handling Third party Inspection (Bureau Veritas, TUV Sud, IRS, IRS class)
- 11) Preparation of IBR Form III C
- 12) Maintaining MTC of all materials.
- 13) Organizing & Attending PMI.
- 14) Performing DFT & LPT
- 15) Draw new GAD.

### OTHER DUTIES :-

VENDOR INSPECTION which includes Incoming Inspection, In-process Inspection, Final Testing, Surface Roughness According to Surface Comparator SA2.5, Painting finishing, Packaging, Dispatch, Maintaining MTC, LR, INSPECTION REPORTS, MOM, INVOICES, COC, GC, IBR FORM III C

**[FEB 2022]-[FEB 2023]**

**[INSPECTION & EXPEDITING OFFICER] • [TATA STEEL LTD (TECHNO SPHERE ENGINEERS)] • [Bombay House, Mumbai]**

A Mechanical Engineer having experience in Quality Assurance & Quality Control. In-charge of Quality documentation, Calibration of instruments, Inspection & Testing of valves. Experience in various quality standards such as API598, API Q1, API600, API609, API6D, API607, API624. Hands on experience in Directorate of steam boiler inspection for valves, Manufacturing system along with Documentation process control. IN Quality Department handling the Quality of Ball valves, Strainers, Needle Valves, Non return valves, Butterfly valves, Check valves, Plug valves, Purge valves, Gate valves, etc as well as Vendor Visits for inspection. A detailed Job Description is given below :-

- 1) Final Inspection Of valves (Witness/Document Review).
- 2) Expediting Material to -
  - a) Tata Steel Kalinga Nagar (Odisha)
  - b) Tata Steel Jamshedpur (Jharkhand)
  - c) Tata Growth Shop (Jharkhand)
  - d) Raw Material Project (Noamundi)
  - e) Tata Steel Meramandali (Odisha)
- 3) Co-ordinating & communicating with all the vendors of PAN India WEST Zone for expediting delivery of material.
- 4) Expediting GAD & QAP submission & approval.
- 5) Maintaining Issue Register.
- 6) Maintaining & solving compliances.
- 7) Regular vendor visits for expediting.
- 8) Expediting Inspection Clearance Certificate (ICC) & approving Dispatch Clearance Certificate (DCC)
- 9) Post delivery of material maintaining GRN tracker.
- 10) Maintaining & Updating trackers for all the Tata Steel Plant.
- 11) As a member of Vendor Development Cell (VDC) researching & visiting potential new vendors.

VENDOR INSPECTION which includes Incoming Inspection, In-process Inspection, Final Testing, Surface Roughness According to Surface Comparator SA2.5, Painting finishing, Packaging, Dispatch, Maintaining MTC, LR, INSPECTION REPORTS, MOM, INVOICES, COC, GC, IBR FORM III C

---

(DHANANJAY TEJRAO ARAKH)