



**Swanand M Atre.**

Navi Mumbai

~ Mobile: 7498040489 / 9096345448

swanandatre@gmail.com

Date: 7 May 2021

To,

The HR Manager,

Dear Sir/ Madam,

I am writing to express my interest in the said post (Project) through a HR source,

My detailed resume is enclosed for your reference.

Thanking you

Yours Sincerely,

**Swanand Atre.**  
**B.E.Mechanical**

07498040489 / 9096345448 –  
Enclosure: Resume

**Swanand M Atre.**  
Pune, Maharashtra.

**Seeking Middle Level assignments with a growth oriented organisation.**

---

**PRÉCIS**

---

A result oriented professional with nearly 14+ years experience in EPC Sector

**Currently associated with Reliance Infrastructure Limited, Mumbai Office** (Period: August 2006 –Till date)

**Position Held: - Senior Manager in Project Department (Mechanical section)**

**Engineering Section:-**

- ✓ Responsible for finalisation of D.B.R. (Design Basis Report) & Technical Specification as required for BOP packages (Coal based Thermal Power Plant) as per client (NIT) tender specifications and finalisation of water balance diagram.
- ✓ Developing Equipment layouts as per flow diagrams, hazardous area classifications, statutory requirements and local rules and regulations. Checking and reviewing piping layouts and inter discipline layouts.
- ✓ Determining piping routing, conceptual design and handling piping arrangements consistencies with provision for expansion and flexibility of pipe. Planning unobstructed area for necessary structures that facilitate all maintenance requirements and to access, operations and removing unrelated equipment and piping.
- ✓ Responsible review & Preparation equipment layouts, P& ID & GA drawings, technical data sheets) like Civil-Load Study for Equipment's, Electrical-Basic Motor Load Calculations , Valve Sequential Chart etc on which approval to be taken from client.
- ✓ Interfacing with vendors for reviewing drawings and documents. (For Basic & detail Engineering. Calculations)
- ✓ Responsible for Preparation of Technical Evaluation report of Mechanical Packages. Monitoring package progress (Preparation of Master drawing list.)
- ✓ Preparation & review of control Philosophy; Pipe Line Sizing & Pressure drop Calculations, Mechanical specification sheets etc .Preparation of technical review Sheets for Various Mechanical Equipment's like Pumps, Blowers, Valves, and Agitators to Select From Different Vendor..
- ✓ Attending Technical Review Meeting with Vendor/ Client & consultant and Engineering co-ordination between client, consultant & vendors.
- ✓ Corporate level communication with Client & Consultants .Also Worked as Group Leader for engineering activity to achieve Engineering Targets/Approval within time
- ✓ Skilful in enhancing systems to bring greater cost efficiency levels & energy / power reductions.
- ✓ Providing Technical assistance to construction personnel during installation of piping and supports interfaces with other discipline to insure installation per applicable specifications and Standards.
- ✓ An effective communicator with exceptional relationship management skills with ability to relate to people at any level of business.
- ✓ Successful Engineering of 17 Km Pipe line from DAM to Power Plant having 3 crossing (State highway; National Highway and railway crossings) OSBL package 600 NB Pipe;5.6 mm thickness (MS) and 600 NB GRP with 9.33 thickness and SN 500 stiffness class
- ✓ Successfully ongoing ordered mechanical package within budget ( Nitrogen Generation Plant , Compressed Air System , Electro Chlorination Plant , Chemical Lab of **NPCIL Project (EIL Specification)**)

**Project Assignments:**

- ✓ Purchase request creation and material code preparation. Amendments in SAP MM Module
- ✓ Co-ordinate with Engineering, Procurement, Inspection, Expediting

- ✓ Final documents and Manufacturing Data Records preparation.
- ✓ Study Bid/Contract documents and prepare project specific plans/procedures, job instructions etc.
- ✓ Assist/Prepare Monthly Progress report / calculation to monitor the progress, check variance % and take corrective action.
- ✓ Arrange / attend inter-departmental meetings (weekly), meetings with client, meetings with vendors, site meetings and take appropriate action.
- ✓ Monitor Vendor's fabrication / manufacturing activities, documents submission / approval for each requisition by coordinating with Engineering, Procurement, Inspection & Logistics disciplines.
- ✓ Monitor short supplied items / replacement items for each requisition / PO and follow up with respective vendors.
- ✓ Monitor Owner delayed inputs, Milestones Receipt of Free Issue Items / Materials (FIM). Documents related to Force Majeure and keeping track of Completion activities which are specifically required to be completed before receiving Owner's Inputs / FIM etc.
- ✓ Assist/prepare Billing Schedules & invoicing to Client.( under process)

**Procurement Department:-**

- ✓ SAP material codification (Mechanical/ELE/Instrumentations) and service and supply PR creation as per technical information received by indentator and relevant IS / ASME standards
- ✓ SAP Reports for PO, Materials & payments.
- ✓ Preparation of Technical Evaluation Report; Vendor coordination /Prebid discussions. Close Co-ordination with finance for proposal approval and budget requirement.
- ✓ Preparation of Special condition of Contracts and handover to C & C team along with tender specifications.
- ✓ Now handling reconciliation of quantity and release MDCC for Butibori Project.
- ✓ Negotiations WRT material costing for brought items.

**Hands on SAP MM Module P70 and KADMS material code ,Service Entry Supply and service PR SCC preparation for engineering packages along with consultant billing through GST portal .**

Adept at conducting quality Inspection in engineering Phase only.

- 1) *Rubber Lining of Pressure vessels;tanks;Pipings;degasser tower as per IS-4682 Part 1 and IS 3400 Part 14*
- 2) *Hydro test of Pressure vessels; pressurised tanks; atmospheric tanks as per IS 803.*
- 3) *Different sizes and types of valve and their hydro test; dimensional analysis and qualitative TC and documentations as per API 598 or BS 6755*
- ✓ *Hydro test of Pipes and fittings with rubber and without rubber linings.*
- ✓ *Quality inspection/parameters, Critical Inspections also completed (Pressure vessel; Rubber lining Piping Valves, fabrication parts and Pumps up to 550 m3 /hr) .*
- 4) Packages handled for in detail Engineering Work.
  - Horizontal Pumps ;Vertical Pumps
  - Water Packages with Piping (DM,PT ,CW Treatment Plant ,CW Chlorinations,Effluent Treatment Plant ; STP)
  - LP Piping, valves
  - Raw water intake system ( 660 OD with 5.6 thick Cross Piping from Dam to Plant )-tender preparations – Design As per AWWA-M-45 and Execution as per AWWA C 905
  - Misc. Cranes and Hoists.
  - Compressed Air System.( Nuclear Project API 672 & API 618)
  - Hydrogen Generation Plant.( Nuclear & Thermal Project)
  - Electro-chlorination Plant ( Nuclear & Thermal Project) & Gas Chlorination Plant
  - Nitrogen Generation Plant ( Nuclear & Thermal Project)

**Bajaj Auto Limited.** (Period: August 2002 -September 2003)

Position Held : Production Engineer- Assembly Dept.

M.I.D.C., Chakan, Dist:-Pune (Pulsar, spirit Mftg Unit),Final Assembly Conveyor (Spirit, Pulsar)

- Responsible for checking pre-treatment process of petrol tank cell (phospatings).With proper inspection to paint dept.
- Responsible for feeding sub assembly to main conveyors. Responsible for inspection of in-coming components .Responsible to cover out rework from cajole workers.
- Responsible for taking audit of rework & fresh material.

---

---

### PROFICIENCY FORTE

---

#### Man Management

- ↻ Monitoring the performance of team members, training, guiding and motivating them to ensure efficiency and meet of individual & group targets.
- ↻ Streamlining efforts for attainment of short and long term goals of the company taking into care the mission and vision.
- ↻ Deftness in project monitoring & reviewing project schedules, ensuring cost control within budgeted parameters / norms.

#### Technical Purview

##### **Engineering of 7 BOP Packages**

**(for 2 X 250 MW, Parichha Project ;for 2 X 300 MW Butibori Project & )**

- ↻ Finalised Layout and Piping and instrumentation diagram for BOP packages.
  - ↻ Took Approval and Finalised of design basis report with due discussion with NTPC (Client) for Preparation of Technical Specification of individual vendor for detail Engineering.
  - ↻ Finalisation of control Philosophy, Pipe Line Sizing & Pressure drop Calculations, Mechanical specification sheets etc. Preparation of Technical Review Sheets for Various Mechanical Equipment's likes Pumps, Blowers, Valves, and Agitators to Select from Different Vendor.
  - ↻ Finalised Technical Evolution Report for the Pre treatment Plant, DM Plant, Effluent treatment Plant, Sump pumps, Lab Equipment's, CW Chlorination Plant, CW Treatment Dosing Plant.
  - ↻ Bulk material reconciliation and applying the principles of safety engineering in plant design.
- Involvement of OSBL package –**
- ↻ engineering of 17 Km line of GRP 600 NB & 9.33 thickness with isolation valves ; pumps HOT at pump house as per surge analysis report
  - ↻ Finalisation of BOP for pipe alignment WRT to NGL to decide surge charge as recommended in design thickness calculations (GRP pipe).

**In engineering department of 7 BOP Packages for 2 X 300 MW, Thermal Power Project**

**Now working on NUCLEAR PROJECT (2 X 1000 MW KKNPP, TAMIL NADU)- 5 Mechanical Packages**

**Also Project Bidding technical support and costing. (Got Successfully NLC, UPPUR and NPCIL Project)**

**Hands on SAP MM Module P70 and KADMS material code ,Service Entry Supply and service PR SCC preparation .**

-----  
Projects & Seminars: - Seminar (Diploma):

Robot & Robotics It new trends from which a large automation takes places. A mechanical arm of numerous joints which manipulates as per the PLC (programmable logic control) based numerical computers

Seminar (Degree):-Anti-friction guide ways: Guide ways whose function is to guide saddle which is mounted on table as per electronic or pneumatic unit. Basic function is to reduce the friction between two sliding surfaces by separating it by rollers or balls

Projects (Diploma):-

Reconditioning of Mechanical Vibrator:-The machine is designed to meet the requirements of IS\_10800 & IS-4031 FOR THE preparations of motor cubes for the determination of compression strength of ordinary & rapid hand wings Portland cement.

Projects (Degree):-

Design & evolution of leaf spring Testing rig has been manufactured for testing two auto leaf springs made up of steel and glass reinforced fibre. From various test taken on both the spring it has been proved that the bending stresses in the fibre spring are lower than steel spring and it is proved that would be best for future auto application.

---

### Highlights

---

- ◆ Participated in Techno-fest project exhibition 2004-2006
- ◆ Active Participation in various N.S.S. Activities & camp of 2005-2006
- ◆ One week training on Stress analysis of Piping (Chemical as well as High Pressure with CAESER-II) in DCPL, Kolkata.
- ◆ First Class in advanced stress analysis course for critical piping from SIT (Mumbai) (CAESER-II)

---

### QUALIFICATIONS

---

- ❖ B.E in Mechanical Engineering with **64.51 %** from S.V.M.E.C. college of Engineering. (Pune University) in May 2006.
- ❖ D.M.E. Diploma in Mechanical Engineering 66.33 %. From Govt. Polytechnic, Solapur in May 2002
- ❖ HSC Passed with Distinction, 75.33% from Shri Wardhman Vidyalaya in Feb 2000.
- ❖ SSC Passed with First Class , 62.26% from Shri Wardhman Vidyalaya in March 1998

---

### Other Courses

- ✓ Certificate in MS-CIT Examination Conducted by Govt. of Maharashtra MKCL, Maharashtra with 79 % mark in 2002.

---

### PERSONAL DOSSIER

---

Date of Birth : 14 November  
Passport Yes/ No : Yes  
Reference: - :- Mr. Srikrishna (Deputy General Manager, NTPC) ---09650992226  
:- Mr. Sautul Haque (Samsan Power Limited.), 09350652968  
:- Rajeev Joshi :- 9313429093