# MECHANICAL TECHNICIAN

# SAHAYA

Email: [sahaya.342899@freemail.com](mailto:sahaya.342899@freemail.com)

**OBJECTIVE:**

To make challenging career in Oil and Gas field that is conducive to my personal growth in every dimension and help me to excel in life.

**ACADEMIC QUALIFICATIONS:**

**Diploma** in **MECHANICAL ENGINEERING**

**SPECIAL COURSES/ TRAININGS**

* From School of Synergic Studies Mumbai (STCW 95):
* Personal Survival Techniques Fire Prevention & Fire Fighting.
* Elementary First Aid, Personal Safety & Social Responsibility.
* Helicopter Underwater Escape Training. **(HUET)**
* Proficiency in Personal Survival Techniques. **(PST)**

**WORK EXPERIENCE:**

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| --- | --- | --- |
| **Company** | **Years** | **Designation** |
| **RELAINCE ENGINNEERS**  **(MUMBAI)** | June-2014 toJuly-2015 | Mechanical Technician |
| **NUCLEAR POWER PLANT**  **(KOODANGULAM)** | Nov - 2015 to Till Date | Mechanical Technician |

**Responsibilities:**

* Day to day maintenance activities
* Preventive maintenance of all equipments like centrifugal pumps, Fin-Fan Coolers, Conveyer system etc.
* Breakdown maintenance of all equipments.
* Overhauling of all rotating equipments.
* Working with static equipments.
* Carrying out running maintenance of all critical equipment.
* Carrying out of all Preventive, Predictive and Breakdown maintenance.
* Involving in emergency shutdown activities.

## Pumps:

* Dismantling and reassembling of centrifugal pumps: - single and multi stage, vertical and horizontal, Submersible, Fire water, Sump pumps.
* Rotary pumps:-Gear, Screw and Vane pumps.
* Reciprocating pumps :- Diaphragm, Plunger pumps
* Mechanical seal: - Dismantling, Inspection and assembling.
* Alignment :- Type , Rim and Face method, Reverse (Graphical method)

## Centrifugal Pumps

## Experience in maintenance of Single Stage Pumps and multistage pumps

## Experience in assembling and dismantling of pumps (Boiler Feed Water Pumps, Cooling

## Water pumps, Sump Pumps, Crude and Vacuum Residue Pumps,

* Seal, Packing, etc.

## Reciprocating Pumps

## Experience in maintenance of plunger pumps.

## Chemical dosing pump.

## MECHANICAL SEALS:

* Worked on all types of seals including single, double and tandem seals, single spring and multi-spring, Bellow type and proper rectification of the same.

**COMPRESSOR:**

* Overhauling, reciprocating air compressors, Centrifugal compressors, Screw compressors maintaining the required clearance for piston ring gap. Changing gas seal cups, bearing, suction and discharge valves as well as maintenance of lube oil circuit and coolers.

**Compressors**

* Experience in maintenance of Centrifugal Compressors,
* Reciprocations process Air Compressors,
* Reciprocating Compressors (2000 PSI) changing cylinder, hot valve,

Lubrication Oils, monthly services 1250 Hrs, Semi-Annual and Annual Service.

## FIN FANS AND BLOWERS:

* Having experience to inspect blade angels, belt aligning tensioning in the pulley with driver.

**GEAR BOXES:**

* Involved in preventive maintenance and bearing changing inspection of bearing and check the back lash clearance activities

**STATIC EQUIPMENT:**

**VALVES:**

* Maintenance and repair of Valves :- Gate, Globe, Plug, Ball, Needle ,Angle, Butterfly, Chock, Check valve , Orbit, Pressure relief, Safety relief valves etc. Hydro testing for body and seat.

**SEPARATOR:**

* Having experience in 2 phase and 3 phase (horizontal, vertical, Sphere) separator maintenance to change mist pad, vertex breaker, coalescing plates, deflected etc.

Involved in startup shutdown and commissioning procedure all type of separators

**HEAT EXCHANGERS:**

* Having experience in plate type, shell and tube (single and multi tubes) exchanger. Involved in maintenance and repair of tubes, nozzle baffle plates, spool piece etc. Also worked on Fin-Fan coolers for changing the blade angle and replacing the motor etc.

**Key Deliverables**

* Conducting routine checkup of all equipment & units to ensure the functioning of the equipments in accordance with standard operation procedure.
* Tracking all equipment and instrument for defects and leaks immediately & taking as well as suggesting possible corrective action.

**PERSONAL DETAILS**

Date of Birth : 11-10-1996

Marital Status : Single

Language Known : English, Hindi, & Tamil

Nationality : Indian.

Passport Details. : Valid upto 26-07-2025

Passport Status : ECNR

**Declaration**

I here declare all that information is true and best of my knowledge.

Place:

Date:  **SAHAYA**