M . SU TH AKAR

M E C H A N I C A L T E C H N I C I A N

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P R O F I L E S U M M A R Y

I have gained a good experience with the profession and am keen to tackle any long or short term contracts available in the near future. I am a dedicated worker, and enthusiastic in my search for new challenges. I am prepared to consider a range of opportunities commensurate with my experience gained thus far.

5+ year experience of Oil and gas field Mechanical Maintenance experience with expertise in the following Equipment such as Centrifugal pumps and compressors, Reciprocating compressors, Rotary pumps , Gear Box, Gas Turbine, Steam Turbines, Fin fan, ID, FD Fan, Valve, Column, Vessel, heat Exchanger.

W O R K E X P E R I E N C E

Around **5+ Years** Experience as a **MECHANICAL TECHNICIAN** in Onshore Oil &Gas & Power plant,

Company **STAR SERVICES, (ABU DHABI)**
Designation Mechanical Technician
Duration **Dec 2020 to Nov 2022**

Company **ARABI ENERTECH, (ABU DHABI)**
Designation Mechanical Technician
Duration **Sep 2019 to Sep 2020**

Company **ESSAR, (MUMBAI)**
Designation Mechanical Technician
Duration **July 2017 to Aug 2019**

R E S P O N S I B I L I T I E S

Worked with confident and independently on all rotating and static equipment including complete overhauling and preventive as well as breakdown mechanical maintenance

COMPRESSOR

Overhauling air and gas compressor both rotary as well as reciprocating 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.

PUMPS

Dismantling and reassembling of all centrifugal and reciprocating pumps i.e single and multi stage ,vertical and horizontal, split and also barrel types. Involved in repair such as plungers changing , diaphragm changing activities such as mechanical seal assembling and aligning the pump with prime mover by reverse and geographical method and rim and face method.

MECHANICAL SEAL

Assembling, reconditioning and replacing all type of Mechanical seals such as single double, tandem and cartridge seals, having single, multi-spring and bellow type. Renewed seal faces (primary ring & mating ring).

GEAR BOXES

Involved in gear box overhauling step-up, step-down gear boxes. Types like straight bevel , spiral gear , helical gear , spur gear worm gear , planetary gear fixed axis gear and etc. Gears clearance and replacements and repairs.

TURBINE

Carried out preventive maintenance on the accessories and combustion chambers, gas fuel valves , air start motors , injectors, pre / post lube pump , changing air and diesel fuel filters, maintaining log book and change over unit be feeding password in case of an emergency during the operation
Combustion chamber Primary, Secondary fuel nozzle ,Cross fire tube , Liner , TP replace
IGV blade and EGV replace ,Brush seal replace 1st,2nd,3rd stage nozzle and labyrinth seal and1st,2nd,3rd stage shroud replace Turbine bucket replace Journal and thrust bearing replace.Checked all bearing clearance ,axial float, IGV blades axial compressor blades back class checking

HEAT EXCHANGER

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.U-tube exchangers, fixed type, plate type exchanger, floating head exchanger , spading, cover dropping, bundle pulling, tube cleaning by hydro jetting ,leak check, hydro test of shell and tube , plugging the tube if damaged, install the both side covers with new gasket.

VALVES

Servicing and testing valves like gate valves, globe valves, angle valves, ball valves, check valves, valves, butterfly valves, pressure safety valve, pressure relief valve,

DISTILLATION COLUMNS

Blinding, opening the manholes for air ventilation , and opening the all try man ways for internal inspection , internal cleaning of down cover & try man ways , removing the flashing distributor carry out repairs like fixing of loose parts , and getting done final inspection approved by client and box up of total man ways of column .

VESSEL

Internal cleaning of vessels , and install internal scaffolding for checking and removal of demister pad and internal weld joints buffing for QC inspection , de-blinding the inlet and outlet nozzles and box up total manhole of vessel after client approval Removal & Re installation including Instrumentation, Valves sizes varying from 3/4” to 58” (Control valves, manual valves, Pressure relief valves butterfly valve and pressure safety valves etc.

SAFETY DEVICES

H2S safety , fire safety, using crow can gas tester (CH4,H2S), fire extinguisher (Foam, DCP & CO2) using in fire classification , fusible plug operation deluge valve operation, fire water pump operation breathing apparatus, safety jacket, gas detectors, smoke detector operation , H2S detection , fixed monitoring system , electronic monitors and tube detectors.

STCW COURSES

1. Personal safety and social responsibilities.
2. Fire prevention and Fire fighting.
3. Elementary first aid.
4. Proficiency in survival techniques.

PROFESSIONAL ACTIVITIES

- Read and understanding the engineering drawings , P&ID and plan drawings.
- To ensure early and timely completion of work
- Periodic checking of all machines such as grinding drilling lapping etc
- Involved job field equipment maintenance and good house keeping

EDUCATION

◊ **Diploma in Mechanical Engineering [DME]**

PERSONAL DETAILS

Name	:	Suthakar. M
Father Name	:	Murugan
Sex	:	Male
Nationality	:	Indian
Religion	:	Hindu
Martial Status	:	Unarried
Languages Known	:	English, Hindi, Tamil & Malayalam
Address	:	Azhagiyanambiyapuram, Kavalkinaru post, Tirunelveli -627 105

PASSPORT DETAILS

Passport No	:	**V5597473**
Date of Expiry	:	27/02/2032
Place of Issue	:	Madurai