RESUME

VIJAYAN PRABU

Mail Id: **vijayanprabu@gmail.com**

Mobile No:+91-9626592219 (India)

SKYPE ID: vijayanprabu **Rotation Job: 90 /30**

OBJECTIVE

To excel in the activities involved and to contribute to the growth of the organization by putting in use all the skills and knowledge acquired and giving in the best of my abilities to the task assigned.

EDUCATIONAL QUALIFICATION

Course	Institution /University	Percentage / Division	Year of Passing
B.E Electronics & Instrumentation	Bharath Niketan Engg college / Anna University	67,1st Class	May 2006
D.E.E.E	S.B.M. Polytechnic - Dindigul / D.O.T.E	85 , 1st Class with Honors	April 2002

WORK EXPERIENCE

TOTAL EXPERIENCE: 14.1 YEARS
GULF EXPERIENCE: 9.4 YEARS

Name Of The Organization	Designation	Nature of Work	Duration
ANTON OILFIELD SERVICES DMCC IRAQ BRANCH	EXPERT INSTRUMENTATION & CONTROL ENGINEER	2 years Exp in O&M Halfaya Oil field CPF-2 PP in Iraq.	NOV 2018 TO NOV 2020
HYUNDAI ENGINEERING & CONSTRUCTION CO., LTD, SINGAPORE.	INSTRUMENTATION & CONTROL ENGINEER	1.3years Exp in **Energy** from waste in SINGAPORE**.**	NOV 2016 TO MAR 2018
SOGEX OMAN INDIA PVT LTD	Asst. Manager C&I	1 year Exp in O&M in **735MW** CCPP in Tripura ,INDIA	SEP 2015 TO OCT 2016

DAEWOO E&C , OMAN	INSTRUMENTATION & CONTROL ENGINEER.	2.6 year Experience in Maintenance of Combined Cycle Power Plant **2000 MW** IN OMAN.	SEP 2012 TO FEB 2015
HYUNDAI ENGINEERING & CONSTRUCTION CO., LTD, BANGLADESH.	INSTRUMENTATION & CONTROL ENGINEER.	8 months Exp in Maintenance of **GAS TURBINE Combined** Cycle Power Plant of **360 MW** IN EGCB ,BANGLADESH.	JAN 2012 TO AUG 2012
HYUNDAI ENGINEERING & CONSTRUCTION CO., LTD. QATAR.	INSTRUMENTATION & CONTROL ENGINEER.	2 year Experience in Maintenance of Combined Cycle Power Plant **2730 MW** IN RGPC QATAR.	JAN 2010 TO JAN 2012
HYUNDAI ENGINEERING & CONSTRUCTION CO., LTD. DUBAI.	INSTRUMENTATION & CONTROL ENGINEER.	1 year Exp in Maintenance of **GAS TURBINE** Combined Cycle Power Plant of **1200 MW** IN DEWA.	SEP 2008 To SEP 2009
CHEMIN C&I PVT LTD., PUDUCHERRY.	Instrument Engineer	2.8 years Experience in Maintenance of Thermal Power Plant **1** x **500MW** IN MPEB.	JAN 2006 to JUL 2008

WORK EXPERIENCE IN DETAIL

1. ANTON OILFIELD SERVICES DMCC IRAQ BRANCH

PROJECT TITLE:

HALFAYA & BUZURGAN OIL FIELDS: CENTRAL PROCESSING FACILITIES AND POWER PLANT

CLIENT **:** PetroChinaInternational Iraq FZE and Mission oil Field in Iraq
POSITION HELD : Maintenance – Expert Instrumentation & Control
DURATION **:** NOV 2018 to NOV 2020.
Gas Turbine **:** 3 x 12.26 MW **(SGT 400)**
: 2x 47.5 MW (**SGT 800)**
: 5 x 42.1 MW **(MS6001B) - GE**

2.SOGEX OMAN INDIA PVT LIMITED

PROJECT TITLE:

ONGC TRIPURA POWER COMPANY (OTPC) IN INDIA

CLIENT **:** ONGC Tripura Power Company
POSITION HELD : Maintenance - Assistant Manager of C&I
DURATION **:** Sep 2015 to Oct 2016
Gas Turbine **:** 2 x 255.6 MW **GE 9FA.**
Steam Turbine **:** 2x 123 MW – BHEL

3. DAEWOO ENGINEERING AND CONSTRUCTION COMPANY

PROJECT TITLE**:**

PHOENIX POWER COMPANY (SAOC) IN OMAN.

CLIENT **:** Phoenix Power Company – Sur city, Oman.

POSITION HELD : Commissioning & Maintenance Engineer – Instrumentation and Control .
DURATION : Sep 2012 to Feb 2015.
Gas Turbine : 5 x 217.138 MW (Dual Fired) –SGT5 -4000F - Siemens
Steam Turbine : 3 x 328.2 MW - Condensing Type -Fuji.

4. HYUNDAI ENGINEERING AND CONSTRUCTION COMPANY
PROJECT TITLE**:**
RAS LAFFAN C INDEPENDENT WATER AND POWER PROJECT IN QATAR.
CLIENT : Ras Girtas Power Company – Ras Laffan Industrial city, Qatar.
POSITION HELD : Commissioning & Maintenance–Instrumentation and Control
DURATION : Jan 2010 to Jan 2012
Gas Turbine : 8 x 234.59 MW (Gas Fired) -F Series -Mitsubishi Heavy Ind.
Steam Turbine : 4 x 260 MW - Condensing Type - Mitsubishi Heavy Industries.
HRSG : 8 x 450 t/hr- Single Pressure Natural Circulation -Doosan -Korea.
MED Plant : 6.4 x 10 MIGD – Sidem – Veolia France

5. HYUNDAI ENGINEERING AND CONSTRUCTION COMPANY
PROJECT TITLE**:**
DUBAI ELECTRICITY & WATER AUTHORITY IN JABEL ALI L –PHESE 2 IN DUBAI.
CLIENT : Dubai Electricity & Water Authority – In Jabel Ali, Dubai .
POSITION HELD : Commissioning & Maintenance Engineer –Instrumentation and Control .
DURATION : Sep 2008 to Sep 2009
Gas Turbine : 4 x 203.56 MW (Dual Fired) – V94.3A - Siemens.
Steam Turbine : 2 x 200 MW - Condensing Type M30-40 – Alstom.
HRSG : 4 x 424.8 t/hr- Single Pressure Natural Circulation –Nem.
MSF Plant : 4 x 13.75 MIGD (MSF Type)

Nature of Job as Maintenance Engineer

- Maintenance of All Field Instruments.
- Preparing Typical Maintenance Schedules.
- Experience in **MAX DNA 1000 DCS.(METSO AUTOMATION)- DCS .**
- Experience in **TELEPREM - XP , SPPA-T3000.**
- Knowledge in **PCS 7 SIEMENS .**
- Experience in **GE MARK VI SPEEDTRONIC CONTROLLER**.
- Experience in **OVATION - EMERSON - DCS .**
- Experience in **DIASYS NETMATION – MITSUBISHI – DDC.**
- Experience in **YOKOGAWA CENTUM VP - DCS.**
- Experience in Auto Plant Startup (Total 12 Modes) Done.
- Plant Interlock and Trip Test Done . (with Simulation)

- Knowledge in the use of Computerized Maintenance Management System (CMMS).
- Calibration of Switches, Gauges, T/C, RTDs
- Commissioning of GAS TURBINE Trip Test, Alarm Test , and Protection Functional checking .
- GAS TURBINE Trouble Shooting and Modification Work in the Field & Control System.
- GAS TURBINE , HRSG , STEAM TURBINE Every startup support to CCR operator.
- Performs minor Maintenance on units and Auxiliaries.
- GAS TURBINE - Maintenance of machine every trip make a Incident report preparing.
- GAS TURBINE - Ensures that the turning gear system is functioning properly during shutdowns or Ttrip outs.
- GAS TURBINE - Calibration of IGV.
- GAS TURBINE - START -UP PREPARATION
- Commissioning & Maintenance of GAS TURBINE Fire Protection & Gas Detection System.
- GAS TURBINE - Responsibility to carry out the repair and maintenance work of all types of field instruments such as temperature, pressure, level, flow, vibration, speed, flame detectors, transmitters, switches, gauges, recorders and analyzers. Calibration and maintenance of various types of control actuators e.g. Hydraulic, pneumatic and motorized control valves
- Commissioning of GAS TURBINE DFO FIRING in gas turbine.
- Commissioning of GAS TURBINE DE-NOX DFO FIRING skid in gas turbine.
- Commissioning of GAS TURBINE FUEL CHANGE OVER in GAS TURBINE.
- FUEL GAS SKIDS - Maintenance of ESD VALVE, FG INLET FILTER , FG HEATER , FG PRS SKID , FG IGNITION SKID , FG BOOSTER COMPRESSORS .
- FG PRS SKID - Calibration of Pneumatic type Positioner Control Valves & Pilot Valve, Slam Shut Off Valve.

- Maintenance of Fuel gas FLOW COMPUTER Periodically Calibration checking.
- GAS TURBINE - Maintenance of Servo valve , Pneumatic & Hydraulic valve during showdown period checking.
- Commissioning of HRSG BOILER TRIP TEST ,ALARM TEST ,FUNCTIONAL TEST DONE .
- Maintenance of HRSG BOILER & DUCT BURNER System functional checking during shutdown.
- Maintenace of SELECTIVE CATALYTIC REDUCTION System .
- Maintenace of SWAS PANEL analyser periodically calibration & checking.
- Maintenace of DOSING PUMPS periodically calibration & checking.
- STEAM TURBINE START -UP PREPARATION ..
- Experience of Steam Turbine Governor logics DEH, SPEED CONTROL, LOAD CONTROL , INLET PRESSURE CONTROL .
- Maintenance of DUMP CONDENSER & SURFACE CONDENSER System and STEAM JET AIR EJECTER SYSTEM .
- Maintenance of HP TO LP , HP TO IP STEAM PRESSURE REDUCE System .
- Maintenance of Steam Turbine auxiliaries Lube oil, Hydraulic Oil System, Gland Steam System, Turbine Start-up sequence.
- Experience of conducting overspeed tests, valve tests, tuning of hydraulic control valves and TSI from Turbine Control system.
- Maintenance of ID & FD & PA Fans.
- Maintenance of Air Heaters and Trial run of Rotary Equipments
- Maintenance of Valves & Dampers.
- Maintenance of UCP, ECP, VMS, and DCS Panels.
- Maintenance of ASLD System.
- Contingency Arrangement for First Light- Up
- Maintenance of local control panels
- Maintenance of oil Fire skid in all Elevation of 500MW Boiler.
- Charging of DCS panel.
- Maintenance of control signals in LT and HT Switchgear.

RESPONSIBILITIES

- Logic modifications for systems during plant showdown & running according to the process.
- Modification of the new logics with existing Logic.
- Preventive Maintenance (P.M) carried out, As per Monthly Schedule. (Yearly & Halfly & Quarterly & Monthly P.Ms carried out as Per check list.
- Ensuring Safe and Efficient Performing of CM (Corrective maintenance).
- Ensures that procedures for the safe execution of tasks are in place and adhered to (including Task Instructions, Permits-to Work, Task Risk Assessments, and Toolbox Talks)
- Participates in Emergency Response organization as required (this may include responsibilities in Search & Rescue and Fire Fighting).
- Preparing Master Data sheet for Preventive Maintenance & Predictive Maintenance Schedule
- Shutdown Job Done with as Per Schedule.
- Maintenance of Defective Report Prepared.
- Maintenance of Monthly Report Prepared.
- Prepare present daily maintenance reports.
- Prepared P.M procedure & Calibration procedure for field Instruments.(Gas Detectors, Analyzers for SWAS PANEL ,Flow computers, CEMS, Control Valves.
- Trouble Memo Clearing.
- Plant Every Instrumentation work Order prepare (Permit to work) PTW through CMMS & SAP .
- Daily meeting with the operators and maintenance personnel for the updating of ongoing activities and the co-ordination of the new activities.
- Assist with design and specification required for plant modifications.
- Configuration and Monitoring & Troubleshooting of Bently Nevada 3500 Vibration Monitoring System.

- Expertly Review and Troubleshooting of long time pending issues related to Control system DCS, ESD/F&G, Field Instruments, Package PLC systems and Package Relay control Panels.

- Preventative maintenance routines in CMMS, Well versed with CMMS tools like Maximo.
- Preparation of cause & effect matrix, logic diagrams, control narratives and safety narratives, any other necessary control & ESD system related documents for the system configurations.
- Delegate and arrange for the execution of planned and emergency maintenance works such as manufacturing, modification, rectification, replacement and repairing of electronic and instrument equipment, devices, cards, machineries.
- Prepare present monthly reports on backlog and shut down work.
- Daily Routines Checking Field Instruments & Priority ALARM Checking from CCR & Trend take out from DCS & Troubleshooting..
- Punch list Development and tracking.
- Maintenance of CEMS , GAS TURBINE ,STEAM TURBINE , HISTORIAN PC & OPC SERVER.
- Preparing Spare Parts Inquiries and Inventory control for all instruments Spare Parts, Special tools, test equipment and Manpower requirements.
- Administer requisitions for maintenance supplies, special tools, equipment and the like.
- Experienced in the Field Instruments and control systems Procurement Activities.
- Expertly review Technical Bid Evaluation (TBE) of the offer provided by Buyer/supply department for the spares of control system, field instruments, analyser, telecom, Fire and Gas system and skid component.
- I created, planned, organized, and conducted training needs analysis to provide development of new Omani, Iraq, Qatar graduates and technicians to achieve engineering competency.
- Diagnostic, troubleshooting communication protocols as Modbus, Ethernet, Switches, Routers.
- Managing and operating system administration (control access, backup, check pointing, ...)
- Maintenance of all PLC systems old and New Programs Backup.
- I expertly provided Control System preventive maintenance on over all plant control packages.

- Allen Bradley Rslogix 5000 PLC Troubleshooting, I/O assign & Logic Modification and old program taken Backup.
- Siemens S7 automation systems (S7-400 , S7-300, S7-1500, S7-1200) PLC Troubleshooting ,I/O assign & Logic Modification and old program taken Backup.
- Relay logic control panels internal wiring changes and as per control philosophy panel function checking
- Maintenance of TMR PANEL checking.
- Monitor works and work areas to ensure safe working**.**
- Co-ordinate work on instruments with operations and maintenance planning.
- Monitoring As Built Drawing,
- Logic and graphics creation and modification, Simulate the Signal, trend report preparation in DCS.
- Configuring in I/O cards, links, module allocations, cabinet alarm.
- Maintenance of PLC software and I/O cards, communication protocols and local Communication equipment.
- Offline Loading of Automation processors, configuring hardware's.
- Calibration of Control Valves & Stroke checking of Hydraulic Control Valves.

PERSONAL DETAILS:

Father Name : S.J.GURUSAMY
Pass Port No : S3512242
Date of Birth : 26-03-1984, 34years
Languages known : English, Hindi, Tamil.
Gender : Male
Marital Status : Married.
Permanent Address : 2/607,E.B Colony,
Thiruvalluvar Valagam,
Chttinayakan Patti (P.O),
Dindigul Dist, TAMIL NADU STATE, **INDIA**. 624004

DECLARATION

I hereby declare that the above-furnished details are true and correct to the best of my knowledge.

Yours sincerely,

Date :
Place : **(G.VIJAYAN PRABU**)