

CURRICULUM VITAE

SATISH PATEL

Academic Branch : B.E. (Mechanical)
Present Address : F-3-21, IOI Boulevard, Jalan Kenari 5, Bandar Puchong Jaya,
47100 Puchong Selangor, Malaysia
Email id : patel.or.s@gmail.com
Contact No. : (+91) 8754188876 and (+60-162442319)
Date of Birth : 03rd April, 1984
Passport No. : N0854368

Seeking assignments in Projects Execution, Scheduling & planning, commissioning, maintenance with an organization of repute.

OBJECTIVE

To find a challenging & creative position in a company and working as a team member to do best for the organization.

JOB PROFILE

- **14.0** years of progressive experience in Project control, Planning, Erection & Commissioning, Maintenance of heavy mechanical equipments in Thermal & Waste heat recovery power plant. (1000 MW, 700 MW, 250MW, 22.5 MW WHRB).
- Leads the project team allocated to the project, defining main guidelines, allocating project tasks, and motivating and monitoring internal and external resources to accomplish all tasks and milestones.
- Responsible for overall co-ordination of Mechanical projects works under assigned project and provides leadership to the maintenance team, which comprises of Engineers. Ensures timely completion of project milestones with strict compliance to Quality and HSE norms.
- Monitoring project progress, schedule and directing team actions to achieve successfully established budgetary and contractual targets.
- Project deliverables, including on-site activities are being completed within the project baselined cost.
- Preparation of detailed DPR documents, negotiations, finalization and liaison with contractor for timely execution, liaison/co-ordination with client/consultants/IBR/Third party agencies.
- Develop resource plans, progress curves and forecasts; ensure optimum utilization of the resources in the maintenance of plant.
- Coordinate with EPC/O&M contractor, support and supervise the project engineering, installation, commissioning up to project over.
- Evaluate technically supplier offers for spares and services. Participate in maintenance budgeting for five years, monitor and control maintenance costs.
- Developing detailed project schedules (L1, L2 and L3, L4, L5 levels) with highlighting critical path to track and ensure timely completion of the project, communicate project status, and highlight issues to the project execution team and management, initiate measures to resolve issues and catch-up plan.
- Maintenance Planning, Annual & forced outages, Short- & Long-term maintenance, Spare parts planning, Budget Control, contract Management.
- Planning and effectuating preventive & predictive maintenance schedules of various machineries & power plants to increase machine up time and equipment reliability through maintenance management system.

- Demonstrated special skills in minimizing waste and cost control.
- A brief of my **strategic skills** is appended here under:

Project Estimates & Execution, Planning	ISO scheduling & monitoring (9001-2000) & EMS-(14001-2004)	Work Management
Contract Management	Finishing items	Resource allocation
Work Methodology	Strong Interpersonal Skills	Maint. SAP Module

PRESENT WORK EXPERIENCE

Organization : M/s JML MAINTANANCE SDN BHD, @ Malaysia (DEC-19 to Present)

Located : Tanjung Bin (Pontian), KEV Site (Kapar), Petronas (MTBE) Gebeng (Malaysia)

Designation held: Site Project Manager

Reporting to : General Manager- (Projects)

Project Responsibility - (700 MW & 1000 MW TPP)

Project: - RH Pendent Replacement Work and Other Pressure part & Auxiliaries works, TG Bin # 04 (1000 MW)

Client: - GE Power (Steam & Power System)

- Participate in the Projects works in TanjungBin Unit (Steam power plant 1*1000MW) for GE steam Boilers & Turbine and their Auxiliaries as a Project Manager.
- Removal and Replacement of RH Coil Assembly (50 Nos) at during Outage in Tanjung Bin Power Plant, Unit # T4. (GE Power)
- RH Coil replacement work, Lifting, Erection & Alignment, Fitup, Welding and 100 % radiography for complete RH coils joints For GE power/Malakoff at Tanjung Bin Power Plant. (Capaicty-1000 MW).
- Planning & execution of fabrication & Erection of Monorail lifting devise is used through the manhole to handle RH Coil Assembly form Inside to outside and outside to inside of boiler.
- Execution of outage works (FGD Diffuser & HPU Tanks Internal Blasting & Painting + Boiler Skin Casing Works). Installation, strengthening of rear hopper bottom structures materials.
- TG overhauling, TG auxiliaries, Screw compressors, cooling tower analysis, CT fans gear box data analysis, BFP overhauling.
- Planning and execution of removal & replacement of new damper in ID Fan (A&B) seal air damper installation work.
- Planning of Silo (A&B) modification work (complete cleaning, alignment, piping & valves work etc.)
- Safe working assessment including JSA (Job safety analysis) and HIRA (Hazard identification and Risk assessment). Strictly follow 9 GE Safety directives & rules. Establishing the work permit system for all maintenance staff.
- Good knowledge in execution & reviewing of Work Procedure, Standard Operating procedures, ITP/ QAPs/MQPs/, Welding schedule, WPS/PQR.
- Resolve of deviations pertaining to NCR, Corrective action request, Site Deviation request, and field observation reports etc. Skills on Non conformity Management, Root Cause analysis.

Project:- FSH, RH, PSH, SH, Economizer tube pendent replacement & repair work and other pressure part & Auxiliaries works, TG Bin # (3*700 MW)

Client: - Malakoff Power (Malaysia)

- Participate in the Project maintenance/repair works in TanjungBin Unit (Steam power plant 3*700MW) for IHI steam Boilers & its auxiliaries as a Project Manager.

- Planning & Execution of Pressure part (RH, SH, PSF, PSH, Pentahouse, Economizer tube repair/coil replacement work. Lifting, Erection & Alignment, Fitup, Welding and 10 % radiography for complete coils joints
- Execution of Fabrication & Erection of Boiler bottom hopper Supports, ID fans, Inlet Duct & Outlet Ducts, etc.
- Repair /replacement work of Soot blower of boiler furnace area and HP & LP valves of steam lines.
- Efficiently communicate with project & maintenance team members & client's representative for capital & turnaround projects details & ensure completion of task according to the accepted standards of time & quality.
- Undertake regular inspection & coordinate with all dept. of plant for maintenance work & coordinate with O&M contractors for availability of manpower & execution of maintenance work.
- Execution of preventive maintenance & to ensure implementation of maintenance schedule as per the check point/SOP defined for each machine/equipment.

Project: - Provision of Procurement, Construction, Installation and Commissioning of High-Pressure Steam Boiler part & auxiliaries works # (Capacity -60TPH Boiler)

Client: - PETRONAS Chemicals MTBE Sdn. Bhd.

- Participate in the Project works in Petronas MTBE plant for Provision of Procurement, Construction, Installation and Commissioning of High-Pressure Steam Boiler (60TPH) and Ancillaries at PETRONAS Chemicals MTBE Sdn. Bhd., as a Site Project Manager.
- Ensure smooth coordination along with the Project Planning & Coordination for DPR creation (master network schedule) for all the projects before kick-off as well changes during execution of construction work.
- Adherence of Dispatch Plan, Commissioning Schedule, as per Contractual Scope of Work and adherence to delivery/update with action plan to complete project within contractual time.
- Establishing schedules and budget for the projects and monitoring progress against these schedules to achieve project key milestones.
- To assist with QA processes and procedures to ensure delivery of high-quality documentation and projects.
- To assist procurement team with providing technical information in regard to the project procurement requirements.
- Ensure compliance with HSSE standards, especially Process safety standards, Life Saving Rules and HSE critical tasks. (Follow ZeTo Rules)
- Execution of work progress, site condition, findings conducted from the site visit at PCMTBE, In general, site visit is to meet up with OWNER to understand the preliminary site requirement, constraint and challenge for starting the site work procedure.
- Controlling /monitoring / evaluating Monitoring and reviewing activities to ensure that they are accomplished as planned. Making the construction ability plan for projects works.
- Prepare Activity list, schedule for Project, all in coordination with project controlling group.
- Planning & perform pre-commissioning and commissioning of mechanical static and rotating equipment's like but not limited to pumps, blowers and fans, compressor, mixers and agitators, heat exchangers, safety valves, burners, soot blowers, etc.
- Fabrication & Erection of HP, LP and BOP Piping's, Supports, ID fans, Inlet Duct & Outlet Ducts, etc.

- Resolve of Deviations pertaining to NCR, Corrective action request, Site Deviation request, and field observation reports etc. Skills on Non conformity Management, Root Cause analysis.
- Maintain MIS report for project profitability, Project Valuation Report (PVR), Job cost report (JCR).
- Good knowledge of industry codes and standards namely; ASME Section VIII Div. 1 & 2, TEMA, API 650, API 620, AWWA, EN 14015, ASME section VIII Div 1 UHX, OISD 117, OISD 144, NFPA 13, NFPA15.

PREVIOUS WORK EXPERIENCE

Organization : Bhatia Coke & Energy LTD. (BCEL) (APRIL-10 to Nov-18)

Located : Chennai (T.N.)

Designation held : Manager (Project and O&M)

Reporting to : Sr. Vice President -Services and Engineering

Project Planning & Maintenance Responsibility- (135 MW & 22.5 MW Waste Heat Recovery Boilers)

- Project planning, estimation, execution, fabrication, erection & commissioning for 135 MW (01 unit) TPP power plant for BCEL. (Boiler-PF Boiler 1x490 TPH, working pr.140 kg/cm², Temp.540 DegC, Turbine- 1 x 135 MW double cylinder turbines with HP-LP bypass, condensing cum extraction).
- Project planning, execution, erection & commissioning for 22.5 MW (01 unit) power plant for BCEL. (**Waste Heat Recovery Boiler 04-nos**, working pr.68kg/cm², Temp.495 DegC, Turbine- 1 x 22.5 MW Straight condensing Single Cylinder with uncontrolled bleed for feed heating turbine, Multistage, impulse, nozzle governed bleed cum condensing, condensing cum extraction).
- Anchoring and planning erection & commissioning activities for all equipment's well within the prescribed time limit. (STG, TG Auxiliaries, Boiler pressure parts, Boiler auxiliaries, ACC, ESP, Rotating equipment's, IBR/NIBR piping's, Valves, ID fans, Inlet Duct & Outlet Ducts, etc.)
- Controls project plan by reviewing design, specifications, plan and schedule changes, recommending actions.
- Attending Technical Review Meeting with Vendor/ Client & consultant and Engineering co-ordination between client, consultant & vendors.
- Interacts with consultants, vendor's contractors and other third parties regarding operations and/or special projects and provide field input for improving their products performance, pricing, quality, delivery, etc.
- Manage the project budget by overseeing budget expenditure, conducting regular reviews against plan and budget and taking corrective actions as required.
- Supervision of fabrication & erection of **12000 MT structures**, fabrication of **IBR/NIBR piping & piping** supports installation of the same with NDE.
- Handled material inspection with sub-contractor and check marking, cutting, fit-up, of steel structure, columns and beams as a part of pre-election procedures.
- Safe working assessment including JSA (Job safety analysis) and HIRA (Hazard identification and Risk assessment). Establishing the work permit system for all maintenance staff.
- Ensure compliance to Field QAP, Protocol requirements, recording & resolution of NCR.

Maintenance Responsibility-(22.5 MW Waste Heat Recovery Boilers)

- Mechanical Maintenance activities (Routine, Preventive, Breakdown, of Power Plant equipment including 04 Nos Boilers, 02 Nos Turbine & Generator, BOP at 22.5 MW Power Plant.)
- Knowledge on Spare parts, types of spares, identification of spare part on each Auxiliary system are essential. Involved in vendor coordination on the technical requirements of the spare parts.
- Responsible for the minimum and maximum control of spare parts within the Department to ensure that sufficient spare and /or replacement parts are readily available and inventories are adjusted to reflect usage.
- WHRB boilers and TG overhauling, TG auxiliaries, Screw compressors, cooling tower analysis, CT fans gear box data analysis, BFP overhauling.
- Check turbine-generator running behavior prior to shut down; perform vibration measurements.
- Turbine, gear box & generator overhauling job i.e. (Checking of axial float- turbine shaft, dismantling of front & rear bearing housing, checking of clearance, recording of alignment readings etc.)
- Check alignment between the Generator and the LP Turbine and record the alignment between the LP rotor and the Generator. Servicing of turbine SV and CV.
- Well versed with the commissioning, troubleshooting, operation, overhauling & maintenance of TG, Boiler Pressure Parts & Its Auxiliaries, BOP (Air compressor, WTP, Fire Fighting etc.).
- Finding opportunities for **energy saving in auxiliary power** and improve the power generation by improving in main steam temperature, reducing line leakages, improving pipe line insulations.
- Optimize Mean Time between Failure (MTBF) and Mean Time to Repair (MTTR).
- Spares/accessories, job planning and distribution, preparations of schedules, checking of reports, maintenance & troubleshooting of systems
- Ensure timely input for submission of structural & equipment's Erection Measurement Sheet.

Organization : SUNIL HITECH ENGINEERS LTD. (JULY-07 to MARCH-10)

Located : Sarni (M.P.), Parli- V (M.H.), and Nagpur (M.H.)

Designation held: Sr. Engineer

Reporting to : General Manager

- Site Sarni (M.P.P.G.C.L.), [Structural planning, erection, overhauling of the pressure parts of 2 units each of **210 MW** & 1 of **200 MW** Boiler for Madhya Pradesh power Generation corporation Ltd].
- Site Parli-V (M.S.P.G.C.L.), MAHAGENCO, [Structural planning, erection, overhauling of the pressure parts of 02 units each of **210 MW** & **250 MW** for Maharashtra Power Generation corporation Ltd.]

Project & Maintenance Responsibility - (210 & 250 MW TPP)

- The service includes erection, overhauling & maintenance and renovation of TG, boilers & auxiliaries, repair, modification and rehab for utility boilers of **210/250 MW**, pressure parts, milling systems, rotating parts.
- Erection and repair of all types of HP boiler tube such as Reheater coil, Economizer coil, LTSH coil, Platen super heater coil, Final Super Heater Coil, Arch tubes in **250 MW & 210 MW Unit (BHEL MAKE BOILER)**.
- Capital overhaul, preventive maintenance, break down maintenance of coal mill, Bowl mill with classifier type in 803 XRP [Pressured] in size, size nos. per unit having 39.68 TONE PER HOUR (TPH)

capacity for a pulverized in 250 MW unit.

- As working in CHP, having the responsibility of planning, scheduling & ensuring proper execution of maintenance plan. Maintenance of Wagon Tippler, Track Hopper (2belt with 4 paddles), Stacker cum Reclaimer (S-1600MTPH R-1460MTPH), Crusher (1000MTPH), with Conveyor belt of 1800MTPH*2 Series.
- To assure HSE compliance. Ensure all supervisors, and subcontractors are informed about health, safety and environmental requirements, precautions and procedures, make sure that HSE instructions are followed.
- Visual inspection (internal & external) of static equipments for weld/material surface discontinuities.
- Witnessing of hydro static test and pneumatic test of piping & other equipments.
- Making the all arrangement for the erection work procurement of materials needed for fabrication.
- Perform maintenance including, but not limited to, mechanical, hydraulic, power transmission, lubrication, process pumps, etc.
- Attending tube leakage of HP boiler, erection and servicing of HP & LP valves, dampers etc.

SKILLS

- Ms OFFICE, MS Project, Ms Excel, DOS, WINDOWS XP, Auto CAD-2014, SAP, Citrix,

ACHIEVEMENTS

- Received outstanding performance & appreciation certificate for completion of RH Coil Replacement work with in schedule @ GE Power, TJB4 -**Boiler (1000 MW)** as project manager.
- Involved in overhauling of **210 MW / 200 MW** Boilers (04nos) and Coal handling plant overhauling for capacity of **250 MW** Plant.
- Outstanding performance and appreciation certificate for completion of 135 MW& 22.5 MW project.
- Corrosion Management training at CIL.
- Outstanding performance and appreciation certificate for making such a project (car for handicap).

PROFESSIONAL QUALIFICATION

Graduate in Mechanical engineering with 65% from Technocrats Institute of Technology Bhopal (M.P.) University RGPV Bhopal, (2003-2007).

EDUCATIONAL QUALIFICATION

- 12th with 73.77%, (M.P. BOARD) 2002.
- 10th with 66.80 %, (M.P. BOARD) 2000.

DECLARATION

I hereby declare that the above-mentioned information is correct up to my knowledge and I bear the responsibility for the correctness of the above-mentioned particulars.

Place: Johor (Malaysia)

(Satish Patel)