**K. Prashanth**

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**MECHANICAL –MAINTENANCE & CONSTRUCTION MANAGER**

**Target Industry: Power, Energy, Oil & Gas, Construction and Mining**

**PROFILE SYNOPSIS**

* A highly competent and self-motivated Mechanical Engineering Professional with an experience of over **14+ years in Project Site Maintenance** **& System erection** with reputed companies in Power and Oil& Gas Sector. Currently associated with **Sembcorp Energy India Ltd**  in the capacity of **Project manager for Construction & Maintenance.**
* Functioned as the single focal point of contact between the Client, consultants and the Construction Contractor(s); and handling diverse activities such as BOQ preparations ,shutdown planning, scheduling, estimations of the shutdown activities , resource allocation, budgeting, procurement activities checking for the shutdown jobs, cost-control, erection and commissioning of shutdown activities and team management, preventive maintenance, Regular maintenance, asset replacement, inventory analysis , financial handling and strategy planning , ensuring the project objectives are delivered with success with in the time.
* Strong exposure in best utilization of the equipment and system by resource planning.
* Reviews TAR planning what orders are being worked, updates them accordingly, what orders are coming on the next shift and ensures materials and equipment are available, and meets with the next shift to give them a status from the previous shift. Problem solving, multi-tasking, time management, team building and scheduling TAR jobs.
* Continuous improvements in maintenance activity to reduce the cost of maintenance.
* Preparation of budget and capital plan for the financial year. continuous monitoring the equipment effectiveness, availability and condition. Schedules the required manpower and equipment for the execution of the T&I
* Good command on HAZOP’s study, method study and RA preparations and permit to work procedures at site.
* Execute corrective measures when early warning signs exist on performance issues of the equipment’s and system.
* Equipment & Asset replacement planning and preparation of the analysis for new procurements.
* Strong hold in maintenance activities of static & rotating equipment, shutdown activities for major power plants.
* Coordination between execution team, procurement, quality checks, manpower allocations and other disciplines.
* Good communication skills facilitating effective liaison with sub-contractors, vendors and clients to complete a project in stipulated timeframe.
* Good experience in preventive maintenance and material required forecasting.
* Experience of handling of health, safety and environmental aspects of the project construction. Also experience in turnaround and shutdown projects within the time schedule.
* Experience in QA/QC policies and follow-up with sub-vendor for the deliverables to furnish the client for clearances.

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| **Core Competencies**   * Construction, Maintenance, shutdown activities. * Project scheduling and Estimations and Costing * Independent decisions &risk analysis * Dependability and undertake self-development * Coordination with disciplines and team playing * Maintaining of spares listing and Technical Support for site activities * Coordinate with vendors and subcontractors for timely execution. * Documentation and Reporting. * Equipment monitoring the healthiness and take preventive maintenance. * Understand the responsibility and accountability of continuous operation of the system. | **Technical Expertise**   * Construction & Maintenance of projects for Power, Mining and construction industries. * Responsible for delivering turnaround planning & execution for various power plants with compliance & firm commitment to HSE & QA/QC performances.. * Feasibility report preparations, Maintenance monthly reports etc., * Technical and commercial presentation for management. * Spare listing and ensure the inventory list preparation and checking the stock availability for preventive maintenance of the system . * Material Specification with BOQ preparations for new procurement. * Preparing Techno-commercial Quotations, Negotiating contracts, Cost control and site management. Good Exp Method study and RA. * Prepare the realistic turnaround budget based on final scope of work and execution plan. This position shall be cost conscious and always in look out for opportunities to reduce the cost of turnaround. * Computer Skills: MS Office Suite (Word/Excel/PowerPoint), MS Project (Project Management tool) , AutoCAD and the Internet. * Maintenance activities for BOP & BTG with overhauling experience. |

**KEY FUNCTIONAL AREAS**

* **Project Management:** Project Planning, Technology / Machinery Selection, Engineering, Construction Management, Work Delegation, Monitoring Progress, Resource Planning And Mobilization, Cost Control, Material Management, Invoicing and Payments, Site Coordination, Erection and Commissioning, Review Meetings, Inspection and Testing, Liaison and Client Interaction
* **Engineering Designs and Drawings:** Project Design, Process Design, Detail Design & Engineering, Planning, Implementation, Validation, Risk Analysis & Mitigation And Process Improvements
* **Site Construction & Project Management:** Adept in monitoring construction of the projects from inception to planning to completion; coordinating design and planning to ensure design standards are met and maintained; conducting and performing site surveys during various stages of the construction project; analyzing vendor proposals and selecting the appropriate one for each project; analyzing construction technical documentation for accuracy, feasibility, quality and conformance to industry standards.
* **Maintenance activities:** preventive maintenance, equipment healthy ness checking , BOI checking and procuring required items in well advance, method study preparations, risk assessment for each and every activity , well knowledge in tools and tackles and scheduling of each jobs. Prepare the realistic turnaround budget based on final scope of work and execution plan. This position shall be cost conscious and always in look out for opportunities to reduce the cost of turnaround.
* **Inventory management:** Spares and standby equipment’s shall be arranged before any breakdown of the system.

Outsourcing of the equipment with cost analysis for hiring basis.

* **Contract Management:** Project Estimation, Bidding, Contract Negotiation, Contract Administration, Budget Control, Inspection, material follow-up , job expediting and Handover
* **Health and Safety Management:** Ensure compliance to all relevant QHSE procedures and controls across engineering function to guarantee employee safety, health, legislative compliance, delivery of high quality products/service and a responsible environmental attitude.
* **Team Management:** Resource Planning, Work Delegation, Managing Cross Functional and Multi-Cultural Teams, Providing Support.

**CAREER SUMMARY**

**Dy. General Manager – Project Maintenance & Construction**

**Sembcorp Energy India Ltd., Feb 2011 - Present**

Project

* **2 x 660 MW – Thermal Power Project (Nellore) Stage -1 –Desalination plant of 13 MLD**
* **2 x 660 MW – Thermal Power Project (Nellore) Stage -2 –Desalination plant of 10 MLD**

**Water systems, Coal handling system, ship unloading system, Off Shore and On Shore Piping, AHS, clinker handling system and Heavy equipment maintenance.**

**Key Responsibilities:**

* Functioned as the single focal point of contact between the Client, consultants and the Construction Contractor(s); and handling diverse activities such as BOQ preparations ,shutdown planning, scheduling, estimations of the shutdown activities , resource allocation, budgeting, procurement activities checking for the shutdown jobs,cost-control, erection and commissioning of shutdown activities and team management, preventive maintenance, Regular maintenance, asset replacement, inventory analysis , financial handling and strategy planning , ensuring the project objectives are delivered with success with in the time.
* Strong exposure in best utilization of the equipment and system by resource planning.
* Identify the resources, contracts required to execute the approved final scope of work. Draw out an execution plan following the best practices.
* Prepare the realistic turnaround budget based on final scope of work and execution plan. This position shall be cost conscious and always in look out for opportunities to reduce the cost of turnaround.
* Initiate & finalize the technical scope of the contracts for contract procurement.
* Lead the team of materials/contract planners to ensure that all the resources are available on or before time.
* Ensure day-to-day work is performed effectively, efficiently and safely in order to increase profits for the company.
* Reviews TAR planning what orders are being worked, updates them accordingly, what orders are coming on the next shift and ensures materials and equipment are available, and meets with the next shift to give them a status from the previous shift. Problem solving, multi-tasking, time management, team building and scheduling TAR jobs.
* Continuous improvements in maintenance activity to reduce the cost of maintenance.
* Preparation of budget and capital plan for the financial year. continuous monitoring the equipment effectiveness, availability and condition. Schedules the required manpower and equipment for the execution of the T&I
* Good command on HAZOP’s study, method study and RA preparations and permit to work procedures at site.
* Execute corrective measures when early warning signs exist on performance issues of the equipment’s and system.
* Equipment & Asset replacement planning and preparation of the analysis for new procurements.
* Strong hold in maintenance activities of static & rotating equipment, shutdown activities for major power plants.
* Good communication skills facilitating effective liaison with sub-contractors, vendors and clients to complete a project in stipulated timeframe. Experience of handling of health, safety and environmental aspects of the project construction. Also experience in turnaround and shutdown projects within the time schedule.
* Team up with all stakeholders to resolve technical issues, project issues using sound project and engineering practices. Experience in QA/QC policies and follow-up with sub-vendor for the deliverables to furnish the client for clearances.
* Enforce operational discipline by ensuring all workplace and process safety procedures and practices are understood and implemented in order to avoid potential WPS and PSM incidents occurring.
* Ensure that the safety & well-being of employees, contractors, and others are always the first consideration in decisions on cost, production, quality and productivity.

*Shutdown and Maintenance works*

* Identify the list of jobs activities and along with criticality.
* Shortlisting the activities in shutdown requirement and arrange material requirement list.
* Spare Inventory and standby equipment for mitigation in case of breakdowns.
* Arranging the list of activities required on sequence and clearance for procurement for shutdown activities material BOQ list.
* Maintenance of crushers, screens, feeders, conveyors, dozers and payloaders with regular intervals.
* Stacker cum reclaimer regular preventive checking and maintenance.
* Implementation of the plans and schedules for effective output.
* Technical and moral support to the team for completing the job in time.
* Manpower and area preparations to be done. Activity scheduling and monitoring done.
* Activity start to end monitoring and coordinating the site and checking equipment healthiness.
* Activity status and site technical problem solving during the shutdown activities.
* Punch list completion and shutdown closing with QA and inspection clearances.

*Turn around works:*

* Responsible for delivering turnaround planning & execution for various power plants & firm commitment to HSE & QA/QC performances.
* leading a team of planners & schedulers to achieve the turnaround objectives.
* Responsible to coordinate & follow up with a multidisciplinary team of operation, maintenance, engineering, inspection, project, shops & support services, etc. to achieve the milestones for the turnaround planning & execution phases.
* Made the turnaround planning milestones target dates on the assigned plants/units and follow up to achieve the target.
* Kick-start the planning process by requisition of scope input from the operation, inspection, engineering and maintenance. Develop, challenge and finalize the approved scope of work.
* Identified the long lead materials and lead/guide the planners to order the materials. Support the planners with material specification in coordination with engineering support unit.
* Identified the resources, contracts required to execute the approved final scope of work. Draw out an execution plan following the best practices.
* Prepared the realistic turnaround budget based on final scope of work and execution plan. This position shall be cost conscious and always in look out for opportunities to reduce the cost of turnaround.
* Initiated & finalize the technical scope of the contracts for contract procurement.
* Leading the team of materials/contract planners to ensure that all the resources are available on or before time.
* Leading the primavera planner/scheduler to prepare the activity schedule, review and finalize the schedule based on critical path method. Challenge and optimize the schedule submitted by the contractors.
* Prepare the execution organization chart for approval. Finalize and requisition the shops and support facilities.
* Preparation of pre-turnaround activities.
* Performed assigned duties and responsibilities as part of the approved turnaround execution chart.
* Monitor and track the deviation between the plan and actual. Record the areas of improvement for the future and prepare the post-turnaround report and organize the critique meeting.

**Manager – Power Project Division**

**Punj Lloyd Power Division May 2010 - Jan 2011**

Projects

* **2 X 300 MW – Thermal Project (DIL, Chandrapur)**
* **2 x 270 MW – Thermal Project (GVK, Punjab)**
* **Coal handling system including water treatment and Pipe laying more than 10 KM.**

* Involved in Project management for BOP, project scheduling, BOI and subcontracting.
* Diligently scheduled the BOP system and mile stones. Preparation of L2 and L3 schedules .
* Resource allocation for the execution works. coordination with client and sub vendors.
* Monitoring the site progress and provide the technical support. checking the execution procedures and ensure the contractor to follow the as per the safety and work procedures.
* Project progress status updating and monitoring the budget. Attending progress review meeting and planning mitigation plans. Manpower and P&L arrangement for smooth erection.
* Construction drawing review at site and educate the contractor for erection methodology as per the drawing.
* Site resource allocations and material follow-up for the erection requirements as per the schedule.
* Site Coordination for Erection and Commissioning of power plant systems.
* Contractor billing verifications. Site planning for controlling cost overrun.
* Punch points and erection clearance procedure taking form client and Commissioning the system as per the commissioning philosophy. Sound knowledge about the tools and tackles.
* Preparation of method study and procedures and ensure all the resources to be at site for commissioning.
* Additional claims record presented every month to client and management and preparation of due-diligence report for all critical issues. Daily monitoring the tool box talk report and inspect the safety site requirements.
* Site activity monitoring and correcting the discrepancies at site. client interaction for progress monitoring.
* Experience upgradation of existing project with modifications.
* Procurement of heavy earth equipment’s ( Dozers, Payloaders , JCB and trucks )
* **2 x 300 MW Thermal Power Plant Project (Haldia, West Bengal)**

Scope: Concept development, bid specification, revised flow diagram and prepared Estimation & Costing for BOP systems

Role:

* Involved in Project scheduling, sub-contractor bid specifications for ordering the job, overall cost preparation, BOI and subcontracting awards for BOP systems. Site planning.

**Senior Engineer –Lead Project Engineer**

**Tata Consulting Engineers Dec 2007 - Apr 2010**

Projects

* **2 X 507 MW – Thermal Project (Uddipi, Mangalore)- Ship loading, Wagon loading, Internal coal handling with track hopper and bunker loading system design and erection review.**
* **2 x 600 MW – Thermal Project (CEPL, Tuticorin)- coal handling and heavy earthmoving machine contract finalization.**
* **2 X 250 MW – Thermal Project (Sikka, Gujarat)- wagon loading and unloading system, mine conveyors and crushing plants.**
* **2 X 250 MW – Thermal Project (Bina, Madhya Pradesh)- mine conveying and crushing system.**
* **SEW stone crushing plants**

Role:

* Diligently analyzed Vendor drawing, verified specification & design basis report and developed concept note for BOP systems. Efficiently prepared specification and C/s. drawings along with project cost estimations.
* Successfully developed entire project planning, construction activity procedures, design basis reports and construction drawing reviews. Efficiently managed bid evaluations and contract finalizations
* Site coordination for the construction drawing review and issues resolving.
* Design review and specification preparation for heavy earth moving machines and Stacker cum reclaimers.
* Stone crushing plant entire design and detail engineering drawings with MPS preparations and finalization of the contracts.
* Developed operation & maintenance sequence documents along with the training material.
* Site Coordination, Erection and Commissioning, Review Meetings, Inspection and Testing, Liaison and Client Interaction

**Engineer – Plant System Engineering Department & Coordination**

**Doosan Engineering & Services India Pvt. Ltd, Dec 2006 - Dec 2007**

Projects

* **Coal Handling System for 1 x 700 MW – Thermal Project (Odin, Thailand)**

Layout preparation, & Material purchase specifications as per construction requirements –

* **Designing and Techno-commercial quotation for Compressed Air System and its P&ID of Barka Phase – II (Oman Project) Combine Power Cycle & similar works for Desalination Daharki - Combine Power Cycle project.**
* Site Coordination, Review Meetings, project status reports and Client Interaction for updates on progress.
* Special training for client and project handling.
* Experience in combine cycle maintenance study reports and method study preparations and attending site construction review meetings

**Senior Executive (Engineering & Execution also Assisting Marketing For Proposals and Site management)**

**Hyquip Projects Pvt. Ltd Apr 2004 - Dec 2006**

Projects

* **Bio-Mass Power Projects, Captive Power Projects & Cogen Power Projects**: Design and proposal specifications of Fuel & Ash handling system and project budgeting, BOQ preparation, planning and scheduling of those projects.
* **Cement Plants**: Material handling system design and proposals for clinker, coal, sand, other aggregates handling & bag handling. After award of contract from client site management, erection supervision of those systems.
* **Steel Pants:** site constriction drawing review for iron ore and coke execution works coordination, tender specifications preparation and overall budget checking
* **Sugar Plants:** Handling site construction works including monitoring the site progress report preparations.
* **Crushing plants :** crushers , screens , Feeders, breakers entire erection and commissioning.
* **Mining equipment’s:** Surface earth Crushers , screens , Feeders, Mobile feeders, breakers and stackers entire client interaction at site erection and commissioning with maintenance of 1 Yr.

**EDUCATION**

* **B Tech - Mechanical Engineering**, Sri Ramananda Thirdha Institute of Science & Technology, Nalgonda, India (Jawaharlal Nehru Technological University), 2004
* **Post Diploma in Industrial Engineering & Management**, Government Polytechnic, Ramanthapur, India, 2000
* **Diploma in Mechanical Engineering**, VMR Polytechnic, Andhra Pradesh, India, 1999
* Pursuing **Diploma in Oil and Gas Management** fromUniversity of Petroleum & Energy (UPES) - Dehradun**-2018**

**ACHIEVEMENTS:**

**Has established excellent creditability in the company for meticulous project planning and execution, of crucial and capital-intensive projects, w.r.t. the stipulated parameters and strict time schedule adherence. Best optimization and idea award in 2015 at SEIL ,Recipient of ‘Best Employee and Long Service Award in Sembcorp Power plant in 2016 and recognized as ‘Best Employee’ in Punj Lloyd Power Division in 2010. Handling various high value projects costing thousands of crore.**

Trainings / Abroad working:

* Technical Discussion and execution monitoring on Stacker cum Reclaimer and Crushers, China, 2012 and 2013.
* Steel cord Belt Inspection in Germany, Thermal Powertech Corporation India Ltd, 2012.
* Workshop on Client Handling and Documentation in South Korea, Doosan Engineering & Services India Pvt. Ltd, 2007. Worked for Odin project for coal handling and heavy earthmoving equipment design, specification preparations and contract finalization.

**PERSONAL DETAILS**

* Date of Birth: 12 Apr 1980
* Nationality: Indian
* Passport No: N4000536 valid till 13 Oct 2025
* Languages Known; English, Hindi, Telugu, Kannada
* Location preference: Abroad