

KANNADHASAN MURUGESAN

M.E-Construction Engineering and Management (Civil Engineering)

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Career Objective:-

Seeking the position of **CIVIL ENGINEER** to work in a challenging and fast-paced environment where I can contribute to the growth of the company while constantly developing my own skills and abilities

Professional Summary:-

- **Over 10 years** diverse experience in **Planning & Construction**, especially in **Mining Projects at Kingdom of Saudi Arabia, (Gold Mining - Ma'aden Mansourah Massarah Gold Mining, Phosphate Mining - Ma'aden Wa'ad Al Shamal Phosphate Company)** and Residential and Commercial Buildings Projects at India
- Experience in reviewing of client drawings, including civil, architectural, structural, and equipments, as well as client specifications and standards.
- Experience in preparation & submission of job execution plans / method statement and project risk analysis for client approvals
- Experience in and identifying discrepancies or conflicts in the design drawings and raising of technical queries.
- Experience in **site visiting for new projects, quantity surveying, submission of proposal for new projects, and additional scope of works, variation orders, re-conciliation** and final closeout.
- Experience in materials take-off, bar bending schedule (BBS), materials purchase, internal material request, purchase request, technical supports to procurement team, materials receiving and inspection.
- Experience in site coordination, valuation of works done, invoicing, monitoring of payments, sub-contract billings and follow-ups
- Experience in **construction of tailing storage facility, including excavation, embankment earth filling, compaction, testing's, foundation and concrete, HDPE liner works.**
- Experience in **construction of equipment foundations and building constructions, like, substation, office and control building, maintenance building, roofing structure** etc.
- Experience in architectural works like windows, doors, internal partition works, cupboards, tiles, ceilings, internal & external painting, fencing and gates etc.
- Experience in **scheduling with primavera P6, schedule developing, resources loading, s-curve** (early, late & mean curve), **schedule monitoring, weekly updating, critical path, delay analysis, PMS update and reporting, daily, weekly and monthly reports.**
- Experience in **construction completion walk downs (CCW), mechanical completion walk downs (MCW), pre-commissioning & commissioning walk downs, punch points closing and final handover**
- Experience in **AutoCAD 2D & 3D, STAAD Pro Analysis, Primavera P6 Scheduling, Navis works project review, Autodesk 3Ds-Max and Microsoft office.**

Academic Qualification:

- **Master of Engineering (M.E) in Construction Engineering and Management** from T.S.M Jain College of Technology, Kallakurichi, affiliated with Anna University Chennai. **[Educational documents were attested and verified by the UAE embassy and WES Evaluation Completed for Canada]**
- **Bachelor of Engineering (BE) in Civil Engineering** from Roever Engineering College, Perambalur, Affiliated with Anna University Chennai.

Additional Qualification:

- **P.G Diploma in Quantity Surveying and Valuation** from Annamalai University, Chidambaram.
- **Diploma in Industrial Safety** from Annamalai University, Chidambaram.

Residency Status / Right to work:

Require sponsorship or a current employment offer in order to apply for a visa and work for a new employer.

Work Experience: 8 Years at Saudi Arabia.

Civil Engineer – Gulf Asia Contracting Company LLC.

Dec-2015 to Present

Varies Projects:

- **Tailing Storage Facility (TSF), Client – Ma’aden** **Mar-2023 to Present**
Highlights: Surface Preparation, Proof Rolling, Soil foundation, Soil borrow, hauling, Screening, Embankment wall earth filling stage by stage, construction of spillway and ramp access, HDPE liner works.
- **Taif Pump Station Upgrade Project, Client- Bechtel / Ma’aden** **Oct-2022 to Feb-2023**
Highlights: Civil: Equipment foundation & Structural support foundations works. Structural: Pump Platforms, tray support structure, access platforms and transformer shelter structures. Equipment: Pump, motor, Diesel generator, pre-fabricated substation and transformer works.
- **Ma’aden Mansourah Massarah Gold Mining, Client - Larson & Turbo Ltd / Ma’aden** **Nov-2021 to Sep-2022**
Highlights: Civil & Architectural: Substation, Control Room, Process Building, Gold Room, warehouse Building & Asphalt works. Structural: Conveyors, Pipe Racks, Primary & Secondary Crusher structure, transfer station. Equipment: Primary Hopper, Apron Feeder, Grizzly Feeder/vibrating grizzly, Primary & Secondary Crusher, Chutes Conveyor Pulleys, Idler, Motors, Dust Extraction Systems, Ball mill, Thickener & Metallic Tanks
- **Power plant & RO plant Maintenance works, Client - ACWA Power / NOMAC** **Mar-2020 to Jun-2021**
Highlights: Civil building maintenance works in power plant & RO plant, including repairing civil paving, Cable trench, Drainage, building walls, roofing, and structural platforms.
- **Remediation Project of overland conveyor and beneficiation plant, Client - Fluor / Ma’aden** **Jun-2019 to Feb-2020**
Highlights: Remediation works of conveyors, Hoppers, Chutes, and Grizzly Feeders, Apron Feeder.
- **Sulphate of Potash (SOP), Client – Fluor / Ma’aden** **Jun-2018 to May-2019**
Highlights: Process building, Substation, office building, control building, warehouse building, Pipe rack, tank farms, road, drainage, and Fence
- **Concentrate Storage Facility & Waste Conveyor System, Client - Fluor / Ma’aden** **Mar-2017 to Apr-2018**
Highlights: Concentrate Stockpile building, feeding conveyor, Return conveyor, hoppers waste conveyor, road & drainages.
- **Overland conveyor and Beneficiation Project, Client – HQCEC / Fluor / Ma’aden** **Nov-2015 to Feb-2017**
Highlights: Overland Conveyor (15 Km long), sacrificial & Crushed ore conveyors, Rom Hoppers, Primary & Secondary crusher, Substation, Maintenance & control building, Road, Drainage, fence works, grizzly feeder, vibrating feeder, Rod mill, thickener & Tanks.

Work Experience: 2 Years at India (Part Time)

Planning Engineer – Prime Engineering & Contracting Company.

July-2013 to Sep-2015

- **Construction of Residential and Commercial Buildings**

Highlights: Preparation of residential building plan, elevation, estimation, building valuation and reporting to the manager as well city union bank. Municipality’s approval for building construction, Regular site visit, supervising, Procurement of construction materials, concrete etc.

Reference and Certificates copy will be provided upon request.

Overall Responsibilities:

Engineering:

- Reviewing of client drawings and Preparation of Construction Procedure / Method statement for civil, architectural, Structural, and Equipment works.
- Reviewing of drawing mismatches, conflict with existing structures/Equipment, and raising technical queries to the client, to solve the concerns.
- Coordination with supplier for developing the steel drawings, Erection drawing, shop drawing, material list, and assembly bolt list.
- Reviewing and approval of supplier steel structural detailed drawing as per client specification and standards.
- Reviewing structural fabrication error and issuing the discrepancy report to supplier for replacement of materials or site modification.
- Ensuring all deliverables, and document procedures are aligned with company and client procedures.
- Preparation of Redline markups and As-built drawings for civil, architectural, and structural disciplines.
- Review of customer input documents, basic design drawings, connections, and other requirements.
- Review of clashes in 3D modeling/Navis, with other disciplines.
- Review of General arrangement drawings, Erection drawings & Fabrication drawings from sub-contractors.
- Preparation of report based on steel fabrication and site priority requirements, Equipment arrival, etc.
- Sharing of works to team members to complete the project with schedule and client as per requirements
- Technical Assistance for site queries, clashes, and other concerns
- Resolve the engineering problems by modifying procedures and developing new approaches
- Maintaining drawing status, reports to clients about delivery of drawings

Planning:

- Schedule Preparation-Primavera P6, developing, resources loading, S-curve (Early, Late & Mean curve), schedule monitoring, weekly updating, critical path, delay analysis, PMS update and reporting.
- Quantity takeoff for Civil, Architectural, Steel Structural, and Equipment with respective drawings.
- Preparation of bar bending schedule (BBS) for buildings, civil foundation, pedestal, and paving works.
- Working with project teams to establish the construction activities and duration based on project norms
- Advising management for variation and scope change promptly
- Monitoring the changes/revisions in design drawings, assessing effects on cost, quantity, pricing, and negotiating variation to the Engineering
- Organizing the meeting with the site representative and sub-contractor on weekly basis for discussing the constructability and other site concerns
- Periodical reports to client and management on a weekly and monthly basis
- Updating the PMS progress and preparation of supporting documents to submit the monthly invoice on regular basis.
- Providing contractual support in project live value, S-curve, forecast, cash flow, and variation orders
- Regular reporting to the manager about the schedule and plant progress
- Preparing & submitting daily progress report, weekly progress report, and monthly progress report to the client on regular basis.
- Organizing the meeting with the client/designer for discussing project deliverables, progress, etc.
- Tracking of progress and manpower with a comparison of schedule
- Submission of R.A bills with required supporting documents and progress reports.
- Updating plans/forecasts on a weekly / monthly basis.
- Plan for daily, weekly & monthly Maintenance schedules & activities.
- Site visit for updating the actual progress every day and resolving site concerns

Construction:

- RCC Foundation works for steel structure platforms, static and rotating equipment, including conveyors, crusher, grizzly feeder, screw feeder, vibrating feeder, take up towers (VGTU & HGTU), rails & tripper car.
- Site Supervising for all kind of civil works, including site preparation, earthworks, bulk excavation, backfilling, compaction and testing
- Construction of tailing storage facility, including excavation, Hauling of earth materials, Sieve analysis, embankment wall earth filling, compaction, testing's, foundation and concrete, HDPE liner works.
- Execution of Architectural works like, fixing of windows, doors, internal partition works, cupboards, tiles, ceilings, internal & external painting, fencing and gates etc.
- Experience in steel structure fabrication, Pre-Assembly and Installation works
- Coordinating with site team and sub-contractor to establish the construction methodology
- Interface with other departments (Mechanical, Structure, Piping, HVAC, E & I) regarding project activities and sequence
- Providing required support to the project management in project execution as per the construction schedule
- Forecast and recommendation of overtime to meet the project target, if required.
- Advising suitable technologies, and methodologies to improve plant progress increasing efficiency.
- Providing technical support and engineering clarification to the construction team and sub-contractors
- Prepare and monitor weekly / monthly construction targets for all the disciplines in line with the construction schedule
- Civil building maintenance works, including repairing civil paving, foundations, cable trench, drainage, building walls, roofing, and structural platforms.
- Conducting the Daily Toolbox Talk prior to starting work.

Procurement:

- Construction materials procurement and follow-up for delivery as per construction schedule
- Overall coordination with procurement as well material supplier for delivery of materials and preparation OSD report (Overage/Shortage/Damage)
- Overall coordination and tracking for client deliverable materials – bulk materials, Project equipments
- Raising of Internal material request (IMR), Purchase Request (PR), and technical support to procurement & supplier for purchase

Commissioning:

- To conduct the internal walk down to ensure that all the scope of work is completed as per contract and variation orders
- To conduct the system & sub-system walk-downs for operational and non-operational systems
- Construction completion walk-downs and Mechanical completion walk-downs to start the pre-commissioning activities
- Preparing of punch points for each discipline with required categories, punch ID/barcodes
- Overall coordination with construction to close the punch points
- PSSR (Pre-Start-up Safety Review) walk-downs before starting the commissioning activities
- Collection of commission report data for summarizing.
- Track and review progress through meetings.
- Lubrication plan for all the equipments.
- Coordinating with the operation and maintenance team to follow up and monitor the issues.
- Monitoring the availability of spare parts.

Lifting:

- Preparation of all the lifting plans for standard and non-standard equipment and structure installation works
- Lifting study and analysis for heavy lifts
- Selection of lifting tool, slings, bow shackles, D shackles, chain blocks, and spreader bar.

Passport Details:

- Passport number : **M6054549**, Date of issue : **06-02-2015**, Date of expiry : **05-02-2025**, Place of issue : **Trichy**

Declaration:

I hereby declare that the above-furnished information is genuine to the best of my knowledge.

Yours Sincerely,
Kannadhasan Murugesan.