



ARUNKUMAR C., PMP : SR. PLANNING ENGINEER / DELAY ANALYST



Profession

Planning Engineer
Delay Analyst

Nationality

Indian

Years of Experience

+11

Education/ Qualification

PGD – PEM, National Institute of Construction Management & Research (NICMAR), Pune

B.E. (Mech) Kavikulguru Institute of Technology & Science, Nagpur University

Academic Project

Post-Graduation Thesis paper on 'Application of LOB Techniques in the Construction of Oil and Gas Pipeline Projects'

Graduation –Mahindra & Mahindra, Nagpur
Project: Design and fabrication of 'Leakage tester for 4 cylinder Diesel Engine'
- Developed project outline using Six Sigma Methodology
- Carried out design value Calculations
- Successfully fabricated and tested on engines
- Accepted by R&D department as a basis for further detailed study

Computer Proficiency

Primavera 3 & 6 versions,
Primavera Risk Analysis,
MS Project,
Suretrack,
Timeline,
Microsoft Office

Professional Affiliation

Society: Project Management Institute (PMI), USA
Chapter: Arabian Gulf Chapter
Member ID: 1580846

Professional Certification

PMP Certification
ACI Arb (Pursuing)

Project Management Institute, USA; PMP# 1485833

EXPERIENCE SUMMARY

Certified Project Management Professional with ten (10) years of Project Management Experience across Middle East. Result oriented, effective communication and presentation skills, analytical approach. Focused in Planning, Cost Control and handling Contractual requirements in a Contractor's environment. Represent planning function for Internal and external Quality Audits.

PROFESSIONAL EXPERIENCE

Functions being handled

- ❖ Planning
- ❖ Cost Control
- ❖ Delay Analysis
- ❖ Contract Administration

▪ Planning

- Identify Contractual Milestones and requirements
- Develop Baseline Schedule for full scope of works including Sub-Structure, Super Structure, Interior Finishes, MEP, External works etc
- Develop and assign activity codes based on area, nature of work, co-ordination with other trades
- Prepare Engineering deliverable list with target date for completion and in line with project schedule
- Develop and establish progress measurement and monitoring systems by recording progress on daily basis using daily work records.
- Analyze Critical Path and available float for activities
- Load resources (Man-hours and Cost) to establish Earned Value Metrics on the project.
- Develop S curves (Early Curve and Late Curve) for Engineering, Procurement and Construction
- Develop project structure in SAP, assign and track costs expended against the budget
- Establish Progress Measurement System (PMS) to establish physical progress achieved
- Develop reporting structure and formats (Daily, weekly, Monthly)

▪ Cost Control

- Track and Monitor resources expended against project budget and caution management on possible deviations.
- Establish Earned Value System to analyse and track project performance in terms of time and cost
- Verify subcontractor's measurement sheet for progress claimed and status of Inspection approval
- Implement Cost Control measures on projects to reduce petty cash expense by booking costs against cost accounts.
- Track Expenses against the project budget

▪ Delay Analysis

- Prepare variance report by recording activities slipped from baseline schedule
- Prepare exception reports by comparing performance of two periods
- Submit letters to notify a potential event of delay referring to the pertinent contract clause
- Maintain Delay event register / Notice of Delay log / Access Schedules etc.
- Prepare Extension of Time claims (EOT) using any method like Window Analysis / As-Planned Impacted etc. as agreed with the Client.

▪ Contract Administration

- Administer the assigned Contract and ensure that contract requirements are complied in terms of document submissions, event notifications
- Compile contemporaneous records for each event
- Conduct periodic contractual review
- Set-up Documentation System on projects.



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Aug 2015 – present

Schema Management Group - Dubai, UAE

Projects Handled

- Prolongation and Disruption Claims for Petro Rabigh (RP-2), Saudi Arabia
 - Identified all the events that led to the delay and collected the contemporaneous records to form basis of the prolongation claim.
 - Utilized Measured Mile Analysis to identify the loss of productivity and correlate with the events identified through delay analysis
- Delay Analysis and Extension of Time Claim for Nasr Full Field Development Project, Das Island
 - Identified all the events that led to the delay and collected the contemporaneous records to form basis of the claim.
 - Utilized Time Impact Analysis (TIA) method of delay analysis to assess the impact on the completion milestone.
 - Substantiated claim through contemporaneous records by performing document discovery
- Prolongation and Disruption Claims for Midfield Terminal Project (MTB), New Abu Dhabi Airport
 - Identified the events by utilizing Time Impact Analysis (TIA) method as agreed with the Engineer
 - Utilized Measured Mile Analysis to identify the loss of productivity and correlate with the events identified through delay analysis
 - Prepared Quantum report on disruption due to loss of productivity.
- Project Planning and Delay Analysis support services for Burj Vista Tower, Dubai
 - Provided complete project management service representing the Contractor for an iconic High rise building project located on Sheikh Rashid Boulevard.
 - Submitted an Extension of Time Claim for 545 Days.
 - Contractor excused for 518 days.
- Project Planning and Delay Analysis support services for MotionGate Theme Park, Dubai
 - Provided complete project management service on behalf of the Contractor for 33 unique buildings of different Hollywood Themes.
 - Prepared and Submitted the Extension of Time Report
 - Notified through letters on delay in access provided as a result of changes in MEP systems in terms of additional scope due to Intelligent Lighting System and associated BMS works.
 - Notified through letters on Completion of Scope for each building
- Delay Analysis for Torch Tower, Dubai
 - Prepared Baseline schedule for the project
 - Prepared and Submitted the Delay Analysis report using Impacted As-Planned Methodology
 - Prepared and submitted the cost of preliminaries for the extended time period.
- Delay Analysis for Intercontinental Hotel, Doha
 - Identified all the events that led to the delay and collected the contemporaneous records to form basis of the claim. Used the Impacted as Planned method of analysis.
 - Assessed progressively and cumulatively the Impact of events on the project completion milestone.
- Delay Analysis for Mushrif Healthcare, Abu Dhabi
 - Assessed the Impact of identified delay events periodically using the Time Impact Analysis (Windows Analysis)
- Delay Analysis for Hotel W, Westin and St. Regis, Dubai
 - To enable the use of Windows Analysis, developed As-Built Schedules on Monthly Intervals for consistency in forensic analysis.
- ❖ Other Projects where planning service was provided to prepare baseline schedule and progress monitoring
 - Cityland Mall, Dubai - Prepared and submitted Baseline schedule for the project
 - Dubai Happiness Center - Prepared and submitted Baseline Schedule
 - Warner Bros Theme Park, Abu Dhabi

PLANNING ENGINEER / DELAY ANALYST

Apr 2015 – Jul 2015

ETA Star Engineering & Contracting W.L.L., Doha

Projects Handled

- Dohaland Phase 1B
 - Recorded delay events in the Event register.
 - Updated Notice of Delay log periodically
 - Prepared Extension of Time Claims using Time Impact Analysis (Windows Analysis)
- Construction of New College of Engineering
 - Recorded delay events on MEP activities on account of delay in Civil works by Main Contractor.
 - Prepared Extension of Time Claims using Time Impact Analysis (Windows Analysis)



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PLANNING ENGINEER

Mar 2012 – Mar 2015

Naser Baddah General Trading & Contg Co. WLL, Kuwait

Projects Handled

- Construction of Crude Oil Wash Tank
 - Prepared Schedule for construction of Crude Oil tank and associated safety systems
- Construction of Landfill Facilities for Hydrocarbon Contaminated Soil, Kuwait Oil Company (KOC)
 - Prepared Schedule for landfill operation to contain Hydrocarbon contaminated soil
 - Tracked project actual progress against planned and reported variance on weekly intervals
 - Gained experience on Leachate Systems and filtration system for containing contaminated soil
- Mina Saud Pipeline Integrity Upgrade and Relocation of Manifold, Saudi Arabian Chevron (SAC)
 - Prepared Schedule for Tie-in operation of 20" and 16" Eocene and Ratawi crude oil co-ordinating with Oil Control operation team

Notable Comments

- Received appreciation from management for recording the daily work production with manpower requirement
- Presented to management on the topic "Benchmarking Productivity and its effect on project costs"
- Presented to management on the topic "Managing Construction Claims"
- Visited Testing facility in Saudi Arabia for FAT (Factory Acceptance Test) of Online Crude Analyzer.
- Received Appreciation from Client (Chevron) for successful planning and execution of Tie-in works.

PLANNER & SCHEDULER

Sep-2011 - Jan 2012

AEPL-OASIS LLC.

Project Handled

- 246 MW Simple Cycle Power Plant, Al-Hila-IRAQ
Installation & Commissioning of 2X123 MW (GE Frame 9Es) Gas Turbines, Control Room Installation (LV & HV Switchgears, DCS, SCADA), 6.6KV MV Switchgear, Black Start & Emergency Generators. Piping Work, Power & E&I cables of LDO, HFO, Fuel Gas, Hot Water, Instrument Air, Fire Fighting, Demin Water Systems.
 - Development & Controlling of Project Master Schedule utilizing Primavera P6, resource loading as per Critical Path.
 - Prepared the Project Daily/Weekly/Monthly Progress Reports. (Plan vs Actual Status, Resource Deployment Status, EHS Highlights, QA/QC Statistics, Construction Bottlenecks, Weekly/Monthly Updated Schedule and Photographical Progress).
 - Monitored the Project Master Schedule and generating Look-a-Head Schedules.
 - Developed EoT - Project Delay Analysis Report, with Reasons & Resolutions
 - Developed Resources Deployment Status (Budgeted vs Actual)
 - Developed Manpower & Equipment Deployment Histograms
 - Established Coordination with Site Engineers, check the Site Concerns & issuing the notifications.
 - Developed Monthly Interim Payment Certificates as per Executed Quantities / Percentage (as per FIDIC/Contract agreement)
 - Prepared & Analyzed Variation / Change Orders.

Planning Engineer

Apr 2007 – Sep 2011

Galfar Engineering & Contracting SAOG, Muscat, Oman

- Redevelopment of Al Shattie East and Ber Bint Najem West
 - Prepared Schedule for Construction of Township
 - Prepared separate program for testing and commissioning of MEP systems including 50kms chilled water systems pipeline with leakage detection system and integration with BMS systems
- Extension of Service Building and Construction of Car Museum, Bait Al Barrakah
 - Planned for Hot Tapping service – Connection of new chilled water line with existing live system
- Construction of Lexus Car Wash
 - Gained experience on Integration of new BMS systems with existing system
- Al Ameen Mosque
 - Planned for Installation of underfloor cooling systems at sahan
- Construction of 33/11KV Substations at Ghala Industrial Area
 - Planned for Installation, testing & commissioning of Step down transformers