



MUHAMAD USMAN AKRAM: SR. FORENSIC ANALYST / PLANNING ENGINEER



Profession

Planning Engineer
Delay / Forensic Analyst

Nationality

Pakistani

Years of Experience

+11

Education/ Qualification

BE Civil Engineering
University of Engineering &
Technology, Taxila, Pakistan

FSc Pre-Engineering
Federal Board of Intermediate &
Secondary Education, Pakistan

Computer Proficiency

- Primavera Project planner P6, 8.1, 8.3 & P3
- Microsoft Office 2003, 2007
- Microsoft project
- Eagle Point
- ETABS
- AutoCAD 2D
- Adobe Illustrator CS5

EXPERIENCE SUMMARY

Having over (11) years of working experience in Planning/ Delay Analysis fields related to the construction, power plants and oil & gas projects. Expertise in project planning & control, forensic planning (delay analysis) & claims. Mr. Muhammad Usman provides necessary planning techniques to client/ company and guidance in developing and adopting a practical but transparent system of progress measurement method and structure, aligning with the Plan's WBS, and establish planning deliverable. He performs Delay Analysis with different internationally accepted methods for getting extension of time (EOT) and cost claims. Have been involved in arbitrations.

Key Skills:

- Project Planning (Including Resource Planning)
- Project Monitoring and Control
- Earned Value Management
- Forensic Planning / Delay Analysis
- Prospective Analysis
 - Impacted as Planned
 - Time Impact Analysis
- Retrospective Analysis
 - Windows Analysis
 - Time Impact Analysis
 - As Planned vs As Built Analysis
 - As Built But for Analysis
- Analysis & Evaluation of EoT Claims

PROFESSIONAL EXPERIENCE

SR. DELAY / FORENSIC ANALYST

Jan 2011 - Present

SCHEMA Management Group, Ltd. Dubai, UAE

Currently Working with Schema Management Group - Dubai UAE as Sr. Planning Engineer/Delay Analyst. It is a USA based Project Management & Contracts & Claims Consultant firm. I have been hired as a Planning Engineer/Delay Analyst to perform project planning and delay analysis using internationally accepted different methods of analysis (Both Prospective Analysis & Retrospective Analysis Techniques) for preparation of Extension of Time claims for delayed ongoing projects and also doing Forensic Investigation for completed projects to prepare a strong basis for cost claims and extension of time for delayed projects.

Projects:

Skycourts Dubailand Residential Complex

Skycourts Dubailand Residential complex comprise of 6 buildings of 21 floors each. The developer was National bonds corporation and the Contractor was China State. Schema management was hired by the developer to evaluate and assess the Eot claims submitted by the Contractor. The key responsibilities were as follows;

- Risk assessment
- Preparation of claims defense and counter claims
- Assessment and evaluation of the Contractor's claims
- Attend workshops on claims
- Attend meetings for amicable settlement.

JBR-H01 – Construction of Rotana and Sofitel Hotel

The projects were construction of Rotana and Sofitel hotel in JBR. The contractor was Al Ahmadiya Contracting LLC. Schema management group was hired by the Contractor for the following tasks;

- Perform Time Impact Analysis
- Develop detailed TIA reports
- Prepare EoT claims and associated prolongation costs.
- Identification of affected critical activities
- Detailed concurrency analysis



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HHHR Tower Project (Blue Tower) Dubai UAE (Planning/ Delay Analysis / Arbitration)

The project was construction of 72 storey tower and two car park buildings (10 storeys each). It was a joint venture of Hip Hing Overseas and Al Ahmadiyah Contracting and the client was Dubai International Real Estate. It was planned to complete in 2 years' period but it took 4 years to complete it due to several reasons which are attributed to both Client and Contractor. Our company was hired for an independent analysis by the contractor to prepare expert witness report for the arbitration and also to support the contractor's claim. I have done delay analysis for this project to investigate the causes of delays occurring at different periods of project duration and their effect on the entire project using "Windows Analysis" (a retrospective delay analysis technique) and "As Planned Vs As Built Analysis" methods. Based on these two analysis, Extension of Time EoT reports were generated which constituted a section of expert witness report. We correlated our findings to the contractor's submissions to support the contractor's claim and we have analyzed the contractor's submissions and the client's response to help the arbitration board for appropriate decision.

Jet Propulsion Center Saudi Arabian Airlines Jeddah Airport KSA

The project is construction of Jet Propulsion Center for Saudi Arabian Airlines at Jeddah Airport Saudi Arabia. Schema Management Group is providing services for Planning and Control from Client's end. I had to review the schedules presented by the contractor on monthly basis and make reports for client so that the client can have a clear vision of "what is going on, what has been done, what should have been done and what should be done" at any stage of the project. Also I analyzed the impact of variation/modification/additions to the original scope of the project in terms of time and cost. I will also review and assess the EoT submissions by the contractor.

Infinity Tower Dubai Marina UAE (Delay Analysis/ Arbitration)

This is a unique project. It is a twisted building having about 78 floors. It was started in 2008 and was intended to complete in 2011 however it was delayed and it completed in 2013. I was assigned to perform two types of analysis;

- Windows Analysis (Retrospective Analysis)
- As-Planned Vs As-built Analysis

The delay analysis on this project was very difficult because the records were not available most of the available records were damaged. I did schedule validation and correction of as built data along with delay analysis.

Dredging, Reclamation & Shore Protection Works at La Mer Project Jumeirah Open Beach Dubai UAE

The project is construction of 03 Peninsulas on Jumeirah Open Beach which involves Shore Protection, Dredging & Reclamation Works & Construction of Breakwaters. The client is Meraas Holdings (Dubai), the engineer is SOGREAH Gulf and the contractor is Projectslink LLC. Schema Management Group has been hired by the contractor to provide services for Project Planning and Control and I am deputed by Schema Management Group as Planning Engineer for

- Preparation of Baseline Programme as per Contract Requirements.
- Preparation of Construction Programme for Construction Team
- Revise the Baseline on the Basis of Variation Orders (Design Changes, Scope Changes etc.)
- Prepare a Transparent Progress Monitoring System
- Earned Value Analysis
- Delay Analysis (Prospective & Retrospective) for ongoing and Completed Events.

YAS Island Zone-K Development Works (Infrastructure & Marine Works) Abu Dhabi

The project was development of YAS Island Zone K infrastructure and marine works. I was designated to perform delay analysis (Both Prospective and Retrospective) for Extension of Time (EoT) claims. The contractor was Athena Emirates LLC and the consultants were KBR & Parsons. The contractor (Athena Emirates LLC) hired our company to deal with Extension of Time claims and other contractual matters. Windows analysis was done by me as retrospective analysis technique and Impacted as Planned for prospective approach for ongoing events. Additionally, I provided planning and control support to the contractor. I have designed a transparent progress measurement method for the contractor to understand the current status of the project and to provide the contractor a tool to avoid loss of productivity and make better progress with the available resources.

Barakah Nuclear Power Plant Project Abu Dhabi

The project is construction of Barakah Nuclear Power Plant in Abu Dhabi. The main contractors were Samsung and Hyundai and they had hired the sub-contractor Athena Emirates for construction of Retaining walls, Intake and Mixing Basing and Wharf. Athena Emirates LLC got delayed due to the activities of the Main contractors. Our company was hired by Athena Emirates LLC to prepare EoT claims for them. I have prepared the EoT claims using Retrospective Windows Analysis.

Jumeirah Park Villas Package-5A Construction of 134 Villas

The project was construction of 134 Villas in Jumeirah Park Villas. The contractor was Arabtec and consultant was Al-Dar. The project was delayed and our company was hired by the contractor (Arabtec) to prepare EoT claim. The schedules being submitted by the contractor were of poor quality and were not supporting the contractor's claims. I had to do the schedule validation and correction of as built data as the first step and then I did retrospective analysis to prepare EoT claims.



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Other Projects seconded to by Schema:

- **Qurayyah Combined Cycle Power Plant** Schedule Review and Analysis for Arabian BEMCO
- **Power Project PP12 – KSA** - Schedule Review and Analysis for Arabian BEMCO
- **Muscat and Salalah Airports (Construction of Cargo and MRO Facilities):** Schedule Review and Analysis for for M/s Ghafari Associates
- **Disease Prevention and Screening Center Abu Dhabi:** Planning services for M/s Athena Emirates LLC
- **Al-Badrah Water Front Project Dubai:** Planning Services Delay Analysis for M/s Ahmadiyah Contracting & Trading
- **Dubai International Airport Terminal 2 Project:** Planning and Delay Analysis for M/s Arabtec
- **Al Habtoor City (Construction of St. Regis, Westin & W Hotels):** Planning services/ Acceleration / Disruption Claims (Delay Analysis) for M/s Drake & Scull and Habtoor Leighton Specon JV
- **Muscat Airport (MC1, 2 & 3) Project:** BMS & SCADA Works for M/s Honeywell
- **Construction of Police Headquarters Awir, Dubai:** Planning services / Delay Analysis for M/s City Engineering and Contracting LLC
- **Mechanical works of Das Island Project Abu Dhabi:** Delay Analysis for M/s Euro Mechanical
- **Mechanical works of Zirku Island Project Abu Dhabi:** Delay Analysis for M/s Euro Mechanical
- **Construction of Operations, Data and Cash Center - Al Rajhi Bank Riyadh Saudi Arabia:** Delay Analysis for M/s Drake & Scull
- **Construction of Swiss International School Project:** Planning services/ Delay Analysis for M/s Al Ahmadiyah Contracting & Trading LLC
- **Bulk Handling Facilities – Kuwait:** Delay Analysis for M/s Combined Group Contracting Co.
- **Fire Stations – Burgan – Kuwait:** Delay Analysis for M/s Combined Group Contracting Co.
- **Old Beach Palace, Dubai:** Planning services for M/s CPD Middle East LLC
- **AL Jadaf Delux Hotel Apartments (G+20)** Planning Services for Al-Ashram Contracting Company LLC
- **AMI/250 Al Maktoum Dubai International Airport Project –** Planning services / Delay Analysis for National Contracting & Transport Co.
- **Development of Latifa Bint Hamdan Street - R1029 –** Planning services / Delay Analysis for National Contracting & Transport

PLANNING ENGINEER

2010 – 2011

United engineers & Contractors (UEC) Pvt Ltd Pakistan (P/T)

Project: THQ Hospital building project

Developed detailed work programme for construction of THQ Hospital building project located in Dhirkot, Azad Kashmir Pakistan. The company United Engineers & Contractors Pvt. Ltd. hired me as planning Engineer (Part Time) for the project and consultant was US Aid. I was given the tasks of preparation of Baseline Resource Loaded schedule and production of resource and cost S-Curves and monthly update of the schedule.

PLANNING ENGINEER

2007 – 2010

Various projects

General Tasks on Planning & Delay Analysis:

- Preparation of Baseline programme.
- Preparation of internal construction programme
- Resource loading & Resource levelling
- Setup the system for progress monitoring on daily, weekly and monthly basis
- Preparation of updated schedules on weekly basis
- Cost loading of Schedule
- Preparation of internal budget
- Cost loading of schedule
- Preparation of updated schedules on weekly basis
- Preparation of revised baseline based on design changes and scope changes
- Setup system for earned value management
- Extension of Time Analysis, Develop Dynamic (Daily) Windows Analysis, prepare Forensic Report of Findings, Claims/ Contracts Administration
- Prepare Delay and claim Report for re-plan time schedule of Project and analysis critical path and reason of delay. Treated the prospective approach using the critical driving activities and the retrospective approach using the longest oath to assess the driving activities.
- Concurrency was identified based on the most critical activities and their respective impact on the milestone under investigation. Several graphs and demonstration were generated to portray the above in the Delay Analysis Report.