Curriculum Vitae

**Yashwant Mishra**

Civil Engineer and Planning Professional

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**QUALIFICATIONS**

## B.E. Civil Engineering Feb.-1987, Devi Ahilya University, Indore, Madhya Pradesh, India

## MAJOR CERTIFICATES

## Advanced Diploma of Project Management, Nov. 2015, Australia.

## Institute of Get Qualified Australia. Level 28, 320 Pitt Street, Sydney, NSW 2000

## Advanced Project Management 40 hour’s program, April-2016, MMTI, Qatar

## White Card -CPCCOHS1001A, Year 2011: Work safely in the construction industry / Card No. 477186 /Construction Induction/Govt. of Western Australia

## REGISTRATION

## Registration Committee for Organising Engineering Professional Practice, EPP/C2177/CE/14-A, Category-A, Kingdom of Bahrain

**IT Skills**

## Well versed with: Primavera P6 (8.3) &P3, MS Project and MS Office (Excel, Word and PowerPoint), AutoCAD (last used version up to ACAD14), Naviswork 3D Modelling, Aconex, SharePoint and CMS-Content Management System.

## CAREER SUMMARY

For over 20 years I have been involved in major civil works for both planning and site supervision. These projects were various civil engineering infrastructure, non-residential building, oil & gas construction projects. Major works included storm water conveyance tunnel, water distribution pipelines, highways, airport works including runway & taxiway construction, civil construction works in energy field and non- residential mid-rise building construction and hotel refurbishment in the urban locations including water front projects.

Highlights:

* An experienced Scheduler & Construction Planner have been involved in mixed use projects including Infrastructure, non-residential Building, Hotel and Energy projects.
* Involved in Change Orders & Delay Claim analysis.
* Experienced in FEED Planning and Cost Control.

I have experience in planning, scheduling, resource management, monitoring, reporting, controls, contracts expertise, project coordination and site supervision apart from design and estimation in few projects. I have also been involved in change orders and delay claims, time impact analysis for various projects. As a planner, I worked in leading international firms in Middle East, Australia and Central Asia apart from indigenous construction works in India.

## MAJOR PROJECTs SUMMARY

## Deep Tunnel Storm Water main Conveyance Tunnel, Terminal Pumping Station AND Sea Outfall project, Dubai, UAE.

## Abu Hamour Storm Water Conveyance Tunnel phase-1, Doha, Qatar

## SGR-Seasonal Gap Reduction Oil & Gas Project Phase 3 & 4, Tengiz, Kazakhstan

## Design & Build WTP for 190 MW Yarnima Power Plant Project, WA, Australia

## Gorgon LNG Civils & U/G services Barrow Island, WA, Australia

## Refurbishment of Regency Intercontinental Hotel, Manama, Bahrain

## Construction of Arcapita Bank Head Int’l Quarters, Manama, Bahrain Bay

## Runway Resurfacing of Bahrain International Airport Manama, Bahrain

## New Doha International Airport, workers camp including WTP, Doha, Qatar

## Water Distribution Mains Phase A&B North of Duhail, Qatar

## Yibal Expansion Green field Crude Oil & Gas Project, Yibal, Oman

## 4 Lane Highway& Bye Pass National Highway-3 project Indore, India

## EPC Projects Construction of Dye Industry Indore, India

## Sardar Sarovar (Narmada) Hydel Project Indore, India

## Water supply pipeline Narmada sugar Industry, Khargone India

## 400 Staff Quarters for Coal India Ltd Chirmiri, (CH) India

## Roads & Steel Structures for National Thermal Corp., Mirzapur, UP, India

## Present status: Project contract completed with CDM Smith in Doha, Qatar, currently in UAE working on Deep Tunnel Storm Water Conveyance System including Pump Station and Sea Outfall.

## DETAILED WORK HISTORY:

**Senior Planning Engineer, CDM Smith, Doha, Qatar [2015 – 2016]**

Abu Hamour Surface & Ground Water Drainage Tunnel Phase 1, was design and construction of 9.5-kilometre-long and 3.7-meter pre-cast segment lined inside diameter, storm water conveyance tunnel. The project also included 24 deep access shafts and their adit-tunnel connections for Qatar Public Work Authority (ASHGHAL).

My involvement for the tunnelling work included, review of the original program base line, monitoring all the phases of the construction including tracking of original additional geotechnical investigation performed by the General Contractor, monitor the design and it’s review, monitor all required permitting (from local and municipal authorities) for construction, site investigation, transportation, environmental activities (material management, dewatering discharge to the sea or into evaporation lagoons etc.). In addition to the monitoring previously mentioned, my responsibility included tracking of procurement including tunnel boring machines till dismantling, precast segments, micro tunnel and open trench pipes, drop shafts etc.; tracking of construction phase including tunnel boring works which required maintaining records of supply and consumption of tunnel precast segments and rings, forecasting of the TBM breakthrough, tracking records and histogram of precast segments of the main tunnel ring and Invert production and consumption compared with the approved baseline data, tracking and maintaining progress curves of access shafts excavation, dewatering, permanent lining and adit works compared with approved baseline program data. I also monitored and helped analysing the site instruction and variation order supporting the contract management team to assess potential claims for time impact assessment affecting the completion of the project.

Another aspect of my responsibilities included utilizing latest version of Primavera P6 software to produce and monitor a resource loaded schedule of works to ensure that the project to be completed on time and within budget. I reported directly to the Project Manager and the senior resident Engineer on all project planning and monitoring related issues, I was responsible to track the review and approval of the submittal work program by contractors. I was also responsible for monitoring the work progress during the construction analysing and comparing the approved baseline program of works with actual progress reporting to Project Manager.

I was responsible for producing weekly and monthly look-ahead schedule, reports about the status of construction progress and implementation of Earned Value Management System, to advise any potential delays in the project completion and to perform time impact analysis. I worked closely with the Project Manager in finalizing delay claims using impacted as planned and as-built methods along with window analysis, analysing concurrent delays if any.

**Lead Planning Engineer, Tengizchevroil LLP, KIS/Orion LLP, Kazakhstan [2014]**

The Complex Technology Line (KTL) Seasonal Gap Reduction (SGR) was a proposed asset development project and part of the Second Generation Enhancement (SGE) at the giant Tengiz Oil Field, located on the north-eastern shore of the Caspian Sea in Kazakhstan and was designed to reduce the summer-winter production gap by providing new KTL cooling facilities to supplement the existing cooling system.

I worked during FEED stage of construction planning. The project included provision of heat exchangers and related pipeline and supporting structure to lower down the summer temperature in the oil pipeline to increase production. During my tenure, I was also involved for one of the turnaround monitoring works.

My major duties were to be responsible for the preparation, progress updating and maintenance of the P6 schedule at all level; coordinate the efforts of the planning team across all project location areas and with external interface; supervise team of planning engineers and analysts in head office and site.

My reason for leaving was cancelation of the oil field project due to capital issues.

**Senior Planning Engineer, DTMT Constructions Pty Ltd, Australia [2012 – 2014]**

The project was construction of combined cycle gas turbine (CCGT) power station to supply 190 MW power to BHP Billiton operated whaleback iron ore mines. I was involved in two consecutive projects; initially civil and underground services and thereafter, non-generating infrastructure (NGI) phase-1.

I worked for development of construction program throughout the life cycle of the project. The civil and underground services included supply and installation of pre-cast and cast-in-situ reinforced concrete foundations and related earth work, whereas NGI project was design and built project included raw and fire water, permeate and demineralised water, waste water system and water treatment plants, connecting pipelines and electrical and instrument cabling works, and commissioning of the plant.

My major duties were developing and updating detailed construction schedule; produce weekly and monthly construction progress including Primavera-P6 Gant Bar chart, progress ‘S’ curves, histograms; record all relevant project data; workout what if analysis; provide and share planning expertise with project controls team.

**Senior Planning Engineer, Leighton Contractors Pty Ltd, Australia [2011 – 2012]**

I was involved on Gorgon project which included three LNG trains of 15.6 million tonnes per annum liquefied natural gas (LNG) facility in Western Australia. I worked for on-Island activities of the civils and underground (U/G) contract on the Chevron operated project, which included earthwork, concrete and drainage, piping, electrical and telecommunications services around the plant site.

My major duties and responsibilities were development and monitoring Level 4 and 5 detailed Primavera-P6 Gantt bar construction schedule; monitor, analyse and review program performance outcomes and recommend corrective action where ever necessary; record and report construction progress data inputs and do verification checks. I also carried out training of Primavera P6 to onsite civil engineers to produce Level 5 program. Major challenge was to achieve the target dates working on Class ‘A’ Nature Reserve Barrow Island, with restricted fabrication and construction activities following strict quarantine procedures, keeping the program update despite of limited and challenging material transport system to the remote island.

**Senior Planning Engineer, G.P. Zachariades (Overseas) Ltd., Bahrain [2010 – 2011]**

The project included dismantling and refurbishment of all interior finishes, HVAC, plumbing and electrical works for 12 storied hotel building and refurbish all as per Clients standard and requirements. After completion of the work in March 2011, I was involved for Banader Hotel High rise building construction of 29 storied building which was later abandoned due to funding issues.

I worked for project scheduling and monitoring, delay claim analysis for the project. My major duties and responsibilities were coordinating information for creating Primavera-P6Gantt bar program for the project, calculation of detailed man-hours, resource loading, updating progress of work, preparation of cash flow ‘S’ curve progress, preparation of recovery program to catch up delays, preparation of short term detailed schedule based on baseline schedule. Major challenge was to achieve the milestone target dates as most interior finishing materials were long lead items of intercontinental shipping transportation.

**Senior Planning Coordinator, Nass-Murray & Roberts J.V., Bahrain [2007 – 2010]**

As a prestigious landmark and with cutting edge design, the International Head Quarters of Arcapita Bank building consisted of 7 floors, including a plant floor and a basement. Floors 1-5 each provided a panoramic view of the waterfront from the south side of the building. The project comprised quality office space, conference facilities, an auditorium and a restaurant, located in Bahrain Bay, a waterfront real estate development situated on the north coastline of Manama in the Kingdom of Bahrain. I worked for scheduling and monitoring including delay analysis. My major duties and responsibilities included recording and reporting progress, prepare monthly, weekly, daily look-ahead Primavera-P3 and later P6 Gantt bar programs; prepare resource histograms, KPIs; generating progress S-Curve, work out what-if analysis; identify critical path and critical activities; prepare supporting documents for delay analysis. Major challenge was to achieve target dates in installation of 5500 tonnes steel structure supported on core of the building to create hanging floors constraining with availability of 400 tonnes crane delivered from overseas project.

**Planning Engineer, Haji Hassan Group W.L.L., Bahrain [2006 – 2007]**

The project included complete dismantling and reconstruction of the live runway and taxiway in different stages as defined by Civil Aviation Authority Bahrain, without interrupting regular flights.

I worked for scheduling and monitoring of the project from the beginning till completion of the project. The major work included removal and reconstruction in pavement quality concrete of runway ends; all the existing taxiways and runway in asphalt; all air field ground lighting fittings and cables; associated and ancillary works.

My main duties and responsibilities were recording and reporting the site progress; prepare hourly program for critical construction phase; prepare monthly, weekly, daily look-ahead P3 Gantt bar programs; prepare resource histograms, KPIs, workout weight factors and generating progress S-Curve, identify critical path and critical activities.

Major challenge in this project was the transition phase when limited length and time of the runway allotted to maintain uninterrupted flight services, which involved careful and accurate hourly scheduling and monitoring.

**Planning and Cost Control Engineer, Al Jaber Engineering LLC Qatar [2005 – 2006]**

The Projects were, construction of labour accommodation camp and commission concrete batching plant and supply of concrete for New Doha International Airport project; GTC 15&16/2002 water distribution mains, phase A&B North of Duhail in Doha. Apart from these, I was involved in tender planning for various projects. I also worked for optimising resource usage coordinating with cost controller.

My major duties and responsibilities were recording and reporting the progress; prepare monthly, weekly programs; prepare resource histograms and KPIs, P3 Gantt bar chart, generating progress S-curve, identify critical path and critical activities, tender planning works, assisting project controls in developing cash flow.

**Civil Engineer, SMC Engineers & Associates, India [2003 – 2005]**

The project was construction of 12 storied Medical Complex. I worked with local engineering associates for estimation works, quantities take-off from drawings and survey log for preparation of interim valuations and payment certificates. Assignments also included computer aided isometric drawings and new colony development drawing plans.

**Civil Engineer, Galfar Engineering and Contracting LLC, Oman [2001 – 2003]**

This project was Engineering, Procurement & Construction (EPC) works of crude oil gathering station expansion which included construction of reinforced concrete foundation for 2 separators of 6000-cum capacity each, 2 tank foundations for 66,000 cum capacity each tank, pump house to accommodate oil and water pumps, supports and sleepers for all connecting pipe line for separator, tanks, flare and wells outside gathering station, fencing and landscaping works.

I was involved for site supervision of civil construction works, following PTW system of petroleum development Oman (PDO), in coordination with mechanical, electrical and instrumentation engineer team. After completion of this project, I worked for Engineering Service Contracts for various civil maintenance shut-down works in the Fahud oil field area in Oman. Maintenance work included all related earthwork, replacement of existing reinforced concrete sleepers, supports and foundations for pipelines and existing plant structures complying with the strict safety standards, completing the work within allotted time frame. All the work inside the plant site required to be complied with the Permit to Work (PTW) system and confined within the area of work allotted by authority.

**Planning Engineer, SsangYong - Oriental J.V., Indore, Madhya Pradesh, India [1998 – 2001]**

The World Bank funded project involved up gradation from 2 to 4 lanes of national highway NH-3, 50 kilometresDewas-Indore Section. This included pre-stressed girder bridge over the river, and culverts along asphalt and pavement quality concrete works. My major duties and responsibilities were to record and report regular progress; prepare Primavera-P3 Gantt bar chart showing progress, quantity execution schedule, resource Schedule, S-curve, generate histograms, what-if analysis, KPIs, progress reports, participate in progress and project meetings keeping in formed the Project construction team.

**Project Engineer, Crown Consultants Ltd., Indore, Madhya Pradesh, India [1995 – 1997]**

The main project included civil construction works for Dye unit including machine foundations and factory utilities. Major construction work included all related earthwork, precast and cast-in situ reinforced concrete foundations for vessels, tanks and related pipeline. Other than main project, I was also involved in Project Coordination of various EPC works for dye industries including execution of civil works of non-residential industrial building construction works.

My major duties and responsibilities were, project coordination works for dye unit at various location in India; execution of civil construction at village Baddi in the district Solan of the state Himachal Pradesh; execution of civil construction to upgrade dye unit at village Maxi district Shajapur of the state Madhya Pradesh. Project coordination also involved dealing with design and procurement for the ongoing project.

**Design Engineer, Ferro Concrete Consultants Pvt. Ltd., Indore, India [1992 – 1995]**

The main project was to provide Irrigation in Gujarat and in desert districts of Rajasthan other than to generate electricity and drinking ware; with an Irrigation strategy of achieving maximum water use efficiency. The work included identifying most efficient route using Survey of India maps, for the minor canal up to the canal outlet where the water is delivered to farmer’s water course. I was involved in survey, planning, design and estimation of the minor canals and associated structures for this project. Other than this project, I also worked during the same period for survey, planning, design and estimation of 7.5 km water supply CS pipeline and pumps from river Narmada to one of under construction Sugar Industry.

**Site Engineer, M/s G.C. Jain & Company, Raipur, Chhattisgarh, India [1990 – 1991]**

The project was construction of double storied, 400 staff quarters for Coal India Ltd in the open cast mining area of Chirmiri. I accomplished site supervision and major duties and responsibilities were to supervise construction activities at project site, compute quantity of material as per the approved construction drawings and demand the material as per site requirement, inspect project sites to monitor progress and ensure conformance to design specifications and standards, direct and participate in surveying to lay out installations and establish reference points, grades, and elevations to guide construction; maintain daily site log book and report to Construction Manager.

**Site Engineer, M/s Baghel& Company, Mirzapur, Uttar Pradesh, India [1987 – 1988]**

The work included construction of major roads and steel structures of Rihand project for National Thermal Power Corporation (NTPC) in the city Mirzapur of the state Uttar Pradesh. I accomplished site supervision for related construction works for the project. My major duties were, supervision of daily work of the plant-road construction and steel structure works as per the schedule of work and as per the approved drawing, record all the site work day to day with attendance of worker, record of all the materials arriving at site, maintain all the daily site work data into working record book and report to Construction Manager.