

MR. APINAT THONGNUCH

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Career Objective : To apply for the position of civil engineer or relate field.
Expected Salary : 46,000 Baht (Negotiable)

Personal Details

Date of Birth: December 16, 1986
Race: Thai
Marital status: Single
Military status: Exempted

Summary

- 10 years of experience in construction work. (Hydropower project, Tunnel, and Pipe jacking)
- Experienced supervise tunneling work (id. 3.2, 2.6 m.), approx. 1,870 meters in length.
- Experienced in underground construction such as shaft, manhole sinking and diaphragm wall. (48 meter deep for dwall)
- 5 years in hydro power project. (India)
- 1 year in Singapore for pipe jacking work by MTBM, Sewerage project for Public Utilities Board, Singapore.
- Personal strength: flexible and adaptable – adjust well to any task and situation, positive attitude, self – motivated and focused on team performance.
- Able to work on shift.

Experiences

Outgoing cable tunnel of Chidlom Terminal station project, MEA

Mott Macdonald (Thai MM)

(Bangkok, Thailand)

June 2017 – March 2021

Civil Engineer (Consultant)

Project details: Construction of cable tunnel for installation of high voltage cable (24kv, 69kv, 115kv) including 4 shafts, 3 Tunnel (ID 2.6, 3.6 m) approx. 1,870-meter length. Sinking 15 Manholes (A/J, O/J type) for construction duct bank by pipe jacking method approx. 1,128 - meter length.

Owner: Metropolitan electricity Authority of Thailand (MEA)

Project cost: Approx. 914 million Baht.

Responsibilities

- Site supervision and quality assurance of a project – to ensure all construction activities conform with technical specifications.
- Reviewed construction drawings from contractor to assure compliance with the design and MEA standards.
- Monitored submission and reviewed technical documents, construction methods statement, and quality control before construction at the site.
- Monitored site progress and preparing a daily report, direct report to project manager and MEA representative.
- Participate and witness all acceptance tests for the materials used in the project. (Tunnel concrete segment, Tunnel steel segment, rtrc pipe, concrete pipe for jacking work, concrete slump test, mortar flow test, concrete trial mix)
- Supervise construction of underground work such as excavation shaft and manhole sinking, construction of manhole A/J, O/J type, installing all equipment in manhole such as pulling iron, id plate, expansion bolt, ground rod, platform, ladder, steel hook in a manhole.

- Ensuring contractor working with safety, such as traffic control during work on night shift, arrange a meeting before work in confine space area and preparing safety document, work permit for MEA.
- Participate and witness ductbank construction, RTRC installing, RTRC mortar grouting, and test dummy all duct bank.
- Preparing progress photos (night shift) for monthly progress presentation.
- Review and verify contractor daily report, monthly report, and monthly progress billing compare with actual work.
- Coordinate with MEA person for any issue or work permit before contractor working inside the existing manhole.
- Inspection of tunnel segment, segment gasket before install in the tunnel, checking the direction of TBM, checking the volume of annular grouting after assembly tunnel segment, checking grout pressure. Ensure all work conforms to specifications.
- Participate and witness in a trial pit to survey any obstacle in the underground for planning and specify a location for manhole sinking.
- Supervision of pipe jacking work (ID 1.5, 1.8m.), ensure the direction and pressure used according to calculation sheet.
- Supervision of concrete structures such as the construction of ventilation building, concrete structure inside the shaft.

Jurong Eastern Catchment Package B, Proposed Sewers in Jurong East and Jurong West Areas Project. (Singapore)
Ed Zublin Ag. (Singapore Branch) **March 2015 – March 2016**

Site engineer (Pipe Jacking work)

Responsibilities

- Responsible in the measuring, record, and reporting on progress of pipe jacking work.
- Overall decision making with respect to the TBM operation with operator and crews.
- Ensuring safety, quality of the work and materials available for the site.
- Preparation of daily report, shift report and Tunnel Boring Machine (TBM) monitoring reports.
- Managing in ordering and scheduling to supply materials, ensure all the material and equipment are in time and in stock.
- Preparation detail of bar cut list and drawing for permanent manhole for construction.
- Manage and supervise all construction works such as shaft sinking diameter 5 – 6.5 m. depth 12 – 18 m, manhole construction and temporary structure for TBM.
- Attending weekly meetings for planning.
- Monitoring daily pre-start and toolbox meeting for direct work team to ensure safety.
- Preparation of method statements for reinstatement of shaft.

Mae Moe Coal Mining Project. (Mae Moe, Lampang, Thailand) **December 2014 – March 2015**
NWR-SBCC JOINT VENTURE

Site engineer

Responsibilities

- Excavate a lignite supply to EGAT (Electricity Generating Authority of Thailand) power plant.
- Responsible for managing heavy machinery for excavation such as Euclid EH1700(Dumper), Komatsu H95(Excavator), CAT 140H(Grader), CAT D7R(Bulldozer), Hitachi Ex2500(Excavator) and controlling operator 30 persons.
- Daily progress reports arrangement such as SMU/Trip, number of trips per day, total quantity of lignite.

Koldam Hydro – electric power project (4x200 MW.) **December 2009 – December 2014**
Bilaspure, Himachal Pradesh, India.
Italian – Thai Development Public Company Limited

QA-QC engineer: February 2014 - November 2014 (10 months)

Responsibilities

- Preparing quality papers for monthly report follow by FQP (Field quality plan) from the construction contract
- Conduct quality assurance inspection and reporting.
- Conduct to test compressive strength of concrete cube, shotcrete sampling in the laboratory (QC section), Batching plant calibration, slump test, Checking the moisture in Fa, Ca before starting concrete in daily.
- Grading of FA, CA.
- Participate installing instruments with subcontractor (Encardio – rite, India) such as PTP (Porous tube piezometer), OCP (Open chamber piezometer), CSS (Cell settlement system, Hydraulic overflow settlement cell), Vinchon apparatus (measurement the relative displacement), Upright pendulum, Invert plumb line, V-notch.
- Preparing monitoring report all instruments in dam and spillway while start impounding on 1st stage for monitoring consistency of dam.
- Coordinate with instrument subcontractor for ordering and follow up on a material.

Site engineer (Spillway concrete): February 2012 – January 2014 (2 years)

Responsibilities

- Responsible for concrete work in the main structure such as Pier, Weir, Chute slab, Bridge over each pier, Right and the left guide wall, Stoplog, Flip bucket including Cladding wall.
- Ensuring safety, quality of the work and materials available for working.
- Monthly progress reports arrangement.
- Dealing with Indian subcontractors effectively, supervising and controlling Indian workers around 300 persons in spillway concrete section.
- Responsible planning, attending for a daily/weekly meeting with the owner. (NTPC, National Thermal Power Corporation, India)
- Organizing labor, staff, machine, and material.
- Providing progress of work for each sub-contractor for making the payment in the monthly bill.

Quantity Surveyor Engineer: December 2009 – January 2012 (2 years 2 months)

Responsibilities

- Responsible for billing work. Take off and calculate quantity such as concrete, rebar, formwork and all items that indicated in drawing for proceeding a monthly bill. (Anchor bolt, rock bolt, geotextile, half pipe, water-stop)
- Responsible for checking time sheet all subcontractors for making monthly payment bill.
- Accumulate and update the progress for report to project manager. (Spillway, power intake and bottom outlet for concrete progress)
- Collect the total disputes item quantity such as concrete, rebar and formwork for reconciliation with owner (NTPC).

Education

Mahidol University, Salaya campus (Nakorn Pathom, Thailand)

Graduated in 2009

- Bachelor of Engineering, Department of Civil Engineering

Benchama Rat Rangsarit school (Chachoengsao, Thailand)

Graduated in 2004

- Major: Science - Math

Affiliation

- Council of Engineers (Thailand), associate engineer license. (present) (กย.โยธา)
- Tunnelling and Underground Construction Society (Singapore) membership (TUCSS), 2015
- BCSS certificate. (BUILDING CONSTRUCTION SUPERVISORS SAFETY COURSE, Singapore), 2015

Skills

- Knowledge of office software (MS office) and engineering software (AutoCAD).
- Good command of spoken and written English.