



# BOOPATHI RAGHAVAN.S

Civil / Infrastructure Engineer

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Flat 13, Building 1225Y, Hajiyat 939

## EDUCATION

### B.E Civil Engineering

Anna University

2003 - 2007

## LANGUAGES

Tamil Native █████

English Native █████

Hindi Advanced █████

Malayalam Intermediate █████

Telugu Beginner █████

## CERTIFICATION AND TRAININGS

Diploma in Project Professional Management using Primavera P6

CADD Centre, August 2011

ISO 9001 - Internal Auditor

Bureau Veritas, February 2012

In-Plant Training Programme - Basic course in Construction Safety

National Safety Council, September 2011

Category - A Engineer License holder

Council for Regulating the Practice of Engineering Professions" (CRPEP), Bahrain, 2023

One Week International Workshop on Durability of Concrete (IWODOC - 2020)

National Institute of Technology, Karnataka, Surathkal, 2020

## SUMMARY

Category - A, Civil Engineering CRPEP License holder with more than 18 Years of expertise in Infrastructure, Roadworks, Highway and Residential tower Projects across India and Bahrain. Self - driven initiator, efficient organizer and motivator with exceptional strong analytical and problem-solving skills.

## SKILLS

### TECHNICAL AND ANALYTICAL

Supervision · Project Management · Communication · Report Writing · Inspections · Monitoring compliance · Budget management · Design · Construction · Leadership · Analysis skill · AUTOCAD · MS Office · Correspondence · Self-starter · Negotiation

## INDUSTRY EXPERTISE

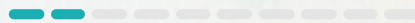
### HIGHWAY PROJECTS



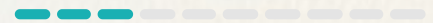
### INFRASTRUCTURE PROJECTS



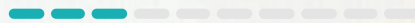
### INDUSTRIAL PROJECTS



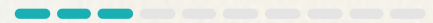
### RESIDENTIAL TOWERS



### MIXED TYPE PROJECTS



### LANDSCAPES PROJECT



## PROJECTS

### East Sitra Housing Project - Phase 1

2022 Sitra

Design and Supervision Consultant for East Sitra project is a social housing development, integrated master plan fully coordinated with traffic and infrastructure requirements. The project is to be built on a reclaimed island of 253.4 ha connected to the Shk. Jaber Sitra Highway by two main accesses adequately located on the western plot boundary.

- Client Management, Quality and Safety Management

### Rehabilitation of Al Saffriyya Palace Avenue

2020 - 2022 Bahrain

Construction of Storm Water, Irrigation network, Road kerb, Earthwork and Asphalt Works

- Construction Management, Quality Management, ISO 9001 External Audit, Material Approvals, Communication

### Lawzi PPP Access Roads

2020 - 2020 Bahrain

Construction of Storm water, Road kerbs, Earth works, Junction with Traffic Signals, Street lighting and Asphalt Works

- Communication, Negotiation, Quality Management System,

### Construction and Maintenance of AMAS (Madinat Salman) Islands 10,11 and 12

2017 - 2020 Bahrain

Construction of Island 10, 11 and 12 with Foul sewer, Storm Water, Potable water, Irrigation, Traffic signals, I.T.S, Electrical (HV, LV, Street light) and Asphalt Works

- Client Management, Report Writing, Progress Reporting, Resource supervision, Material procurements, Snagging, De-snagging, Testing and Commissioning, Project Hand over

## EXPERIENCE

### CIVIL - INFRASTRUCTURE & UTILITY ENGINEER

09/2022

#### Gulf House Engineering

Bahrain

Design and Supervision consultant for the Infrastructure, Residential and Architectural works in East Sitra Housing Project

- Plans, directs, supervises and controls the execution of all business, technical, fiscal and administrative functions of the assigned project or subtask.
- Work with Project Director to develop construction budgets, schedules and plans for the various elements of a project.
- Establishes the program requirements for all areas of the project, and monitors the draft and final deliverables for adherence to these criteria.
- Monitors and reports to management on the progress of all project activity within the program, including significant milestones, and any conditions, which would affect project cost or schedule.
- Establishes regular meetings to review package status and formulate action items.
- Reporting to the Resident Engineer (RE) or the Project Director - Civil Construction, will lead the site team and responsible for managing the services scope to ensure that the site activities are executed by following the construction documents and specifications.
- Liaison with Authorities and Client related to site requirements.
- Responsible for developing strong Client relationships to secure new opportunities and additional work.
- Having overall accountability for all activities within site, both in terms of the staff and the management of the Contractor's Contract.
- Supervises quality assurance inspection staff to verify the work is performed in compliance with the plans and specifications.
- Coordinates and communicates with the Client, Authorities and Contractor's personnel.
- Processes daily project documentation and construction observations.
- Prepares, issues and tracks Contractor's Non-Conformance reports.
- Reviews Inspector's Daily Work Reports.
- Prepares correspondence to the Contractor and Client.
- When necessary, determines the true cost of additions or credits due to the Client and recommends appropriate action.

### CIVIL ENGINEER

2020 - 2022

#### Ahmed Mansoor Al A'ali

Bahrain

Project scope includes re-construction / re-aligning the existing Al Saffriyya Palace Avenue (single lane dual carriage way) between Zallaq Highway and Zaid Bin Omera Highway with new traffic signalized Junction with Road R3841. Total length of the Project is 3.295 Km. The scope of works includes re-construction / re alignment of existing pavement with capillary layer, storm water drainage system associated with watering system and construction of holding tanks, Soft landscaping with Irrigation system, footpath with paving block, Installation of new streetlight columns with light and relocation of affected EWA networks.

- Analyzing cost breakdown for item rates, checking quantity variation and forecasting cost and time over runs
- Monitoring essential procurement schedule and formulated strategy for evaluating contractor and supplier work
- Reporting the delays/constraints at various stages of work progress and resolving the constraints with respective discipline Managers/Engineers
- Estimating the material requirements based on lead duration and as per the work scope & approved drawings and listing for procurement
- Submission of Inspection documents, followup procedure with Consultant / Client and taking approval for the completed activity
- Directing Foreman and other discipline Engineers during the Construction to generate the Work fronts and accelerating Work Progress
- Preparing Operational & Maintenance Manuals for the Network in accordance with Contractual documents, approved drawings, Specifications and Manufacturer's recommendations
- Carrying out routine Inspection during Defect Liability Period and rectifying any identified defect which is within the Work scope
- Preparing Look Ahead program for the activities on weekly and monthly basis in accordance with Project Master Program and its baseline

## PROJECTS

### Bahrain PPP Affordable Housing Project

2016 - 2017

Bahrain

Construction of 1000 Villas and its associated Infrastructure work at Lawzi.

- Timely completion of Project within time and budget, Communication, Negotiation, Quality Management, Snagging, De-snagging, Testing and Commissioning, Handing over procedures

### Alba and Nuwaidrat Interchange - Advance Works

2015 - 2016

Bahrain

Construction of Retaining walls and service roads with Kerbs, Storm Water, Earthworks and Asphalt Works

- Concrete Mix Design trials and approval, Project Quality Management, Client Management, Negotiation, Testing and Commissioning, Handing over of Project

### Mina Salman Interchange Project

2013 - 2015

Bahrain

Construction of Type-B, Modified Type-A and Asphalt Works in Mina Salman Interchange

- Client Management, Negotiation, Quality Documentation, Communication, Quality Reporting, Quality Auditing, Report Submissions, Testing and Commissioning

### Civil and Asphalt Works in Tatweer Petroleum Tank battery

2013 - 2013

Tatweer Petroleum

Construction of Earthworks and Asphalt Works within Tank batteries of Tatweer Petroleum

- Quality Documentation, Report Submissions, Communication, Negotiation, Testing and Commissioning

## EXPERIENCE

### QA QC ENGINEER

2020 - 2020

#### Eastern Asphalt & Mixed Concrete Company

Bahrain

Bahrain PPP Lawzi Access Road

- Reports directly to the Divisional Manager, and shall have full authority to institute actions necessary for the successful implementation of the QA/QC Programme to ensure compliance with the applicable regulatory and statutory requirements, Contract requirements and other specifications
- Co-ordinate activities with relevant parties (QC staff, inspection staff, third party inspection and testing firms)
- Carry out the requirements of the PQP, Contract documents, industry codes and standards and local authority regulations
- Responsible for managing the site related quality processes, including the inspection, internal and third- party testing, identification, handling and preservation of goods on site, and managing the site non- conformance
- Project-wide role - ensures that documentation, the various inspection control processes, all testing procedures, and materials/equipment submittals are properly implemented and fully comply to the Project Requirements and IMS
- Performing trial mix for Concrete as per the Tender documents and Standard codes and conducting Field laboratory tests to determine its strength and durability parameters
- Responsible for analysis, consolidation and presentation of Project Key Performance Indicators (e.g., NCR audits, inspection approvals, document approvals, procurement, design etc.)
- Plan, coordinate and participate in audit and audit actions closure
- Provides technical and functional support and facilitates the interfaces of the various teams on the Project
- Request the intervention of the Divisional Manager, in the event of difficulties encountered in implementing the Integrated Management System
- Responsible in reviewing, completeness, traceability and audit ability of Quality records and As-Built packages throughout the project life cycle
- Prepare and update Audit, NCR, CAR, FCR, QRP, As-built, T&C and any other quality department registers
- Consolidation of Project-wide Quality data for final review and approval of Client
- Statistics and analysis, (KPI) - nonconformity trends, cause and effects analysis, audit findings, design issues, trainings, etc
- Preparation of Project Quality presentations and trainings required for Management Review
- Participate in Snagging of works and handover of works

### CIVIL INFRASTRUCTURE ENGINEER

2016 - 2020

#### TERNA CONTRACTING COMPANY

Bahrain

Infrastructure Works of Islands 10,11 &12 at Madinat Salman (formerly Al Madina Al Shamaliya).

Owner: Ministry of Housing, Bahrain.

Budget: BHD 36 Millions.

The project includes construction of Roads of 18,5 km, Paving blocks area of 200,000 m2, Soft landscaping, Sewer network 12 km (Maximum depth of 12 m), Storm network of 16 km, Potable water network of 10 km, Irrigation network of 12 km, Electrical LV network of 20 km, MV Network of 57 km, Telecom network of 29 km, Street Lights and road signs, marking and signals.

- Client Management, Negotiation, arranging on-time arrival of material at site as per Baseline program, Achieving Milestones, Resource management, Testing and Commissioning, Handing over of Project.

## PROJECTS

### Civil and Asphalt Works in Bahrain National Theatre

2012 - 2013 Bahrain

Construction of Earthworks and Asphalt Works

- Quality documentation, Report submission, Quality monitoring, Testing and Commissioning

### Construction of National Highway from Salem to Ulundurpet section on Built, Operate and Transfer basis

2010 - 2012 Tamilnadu, India

Construction of National Highways with R.OB, Major Bridges, Minor Bridges, Culverts, Retaining Walls and Asphalt Works

- Progress monitoring, Daily Reporting, Inventory reporting, Project management

### Construction of National Highway from Namakkal to Karur section on Built, Operate and Transfer basis

2008 - 2010 Tamilnadu, India

Construction of National Highway with Major Bridge, Minor Bridge, Culverts, Retaining Walls, High Embankment and Asphalt Works

- Progress monitoring, Supervising Contractor works, Material Approvals, Drawing Approvals, Reviewing and Approving Quality documents

### Construction of Industrial Building - Hansen Drives Transmission in SPZ

2007 - 2008 Tamilnadu, India

Construction of Industrial Building with machine foundation

- Communication, Negotiation, Supervision, Progress Reporting, Concrete Trial mix approvals, Quality Management

## EXPERIENCE

### QA QC ENGINEER

2012 - 2016

#### Eastern Asphalt & Mixed Concrete Company

Bahrain

Construction of Infrastructure, Civil and Asphalt Works for Ministry of Works, Ministry of Housing and Private Clients in Bahrain

- Quality Management, Client Management, Communication, responsible for organizing, implementing, conducting, coordinating and managing the QA/QC programs as per the Project Contractual requirements, quality assurance/control principles and their application to engineering, environmental, procurement, construction, testing, operations and commissioning practices sufficient to comprehend specified / regulatory requirements, represent the QA/QC Team for the project during quality assurance audits conducted by the client management or regulatory agencies for the status and assessment of the project during the construction stages.

### ASSISTANT MANAGER - PROJECTS

2010 - 2012

#### S.U TOLL ROAD PRIVATE LIMITED

Tamilnadu, India

Construction of National Highway Section from Salem to Ulundurpet section on Built, Operate and Transfer basis

- Progress monitoring, Project supervision, Supervising Contractor's works, Document review and approval (Drawings, Materials and Inspection Requests), Testing and Commissioning, Communication

### ASSISTANT MANAGER - PROJECTS

2008 - 2010

#### N.K TOLL ROAD LIMITED

Tamilnadu, India

Construction of National Highway from Namakkal to Karur section on Built, Operate and Transfer basis

- Communication, Negotiation, Quality Management, Highway Construction, Material testing, Quality Documentation, Testing, Client Management, Commissioning.

### ASSISTANT ENGINEER

2007 - 2008

#### Shapoorji Pallonji - Engineering & Construction

Tamilnadu, India

Construction of Industrial Building with machine foundation and its associated link roads

- Bar bending schedule, Material Quantity estimation, Budgeting, Planning, Supervision, Testing, Trial mix design and approvals, mock up preparation, Material management, Subgrade works, Commissioning, Quality Documentation, Site Inspections and Client Management