

# CURRICULUM VITAE



## **VIPUL YADAV**

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### **Mechanical Engineering Graduate with 15 plus years of experience in MECHANICAL (MEP) / HVAC / Construction, Design & Estimation/ Testing & Commissioning**

Industry Preference: Construction / Infrastructure / Airport ( PTB, Runway Fire stations, ATC tower & associated buildings / I T Park / Railways - Metro Rail Under ground stations & Tunnel / Hospital

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#### **OBJECTIVE**

To be a result oriented professional in achieving the company's profit and sustainable growth by providing all physical and mental capabilities.

#### **SUMMARY**

A result driven professional who achieves all organizational objectives by giving maximum devotion and integrity in fulfilling all commitments of the organization by sustainable management of human and financial resources.

#### **EDUCATION SUMMARY**

Degree	University	Specialization	Year of Passing
M.B.A. (Part Time)	Guru Gobind Singh Indrapratha, University (New Delhi)	Consultancy	2016
Advanced Certificate in Project Management	Larsen & Toubro Institute of Project Management, Vadodara, Gujrat	Project Management	2015
B.Tech.	Noida Institute of engineering & Technology, Greater Noida affiliated with U.P. Technical University, Lucknow (Uttar Pradesh)	Mechanical	2006

#### **PROFESSIONAL EXPERIENCE**

Over 15 plus years of functional experience in Detailed Engineering design, Estimation, Execution and Project management of Electro mechanical services in various Hospital projects, Commercial buildings and Airport, Runway fire stations, Airport Traffic Control Tower, IT Park, Metro Rail

**HVAC, Fire Detection & Protection system, Elevators and Escaltors, Plumbing and Drainage system, Tunnel Ventilation system** conforming to international standards.

- Preparation and monitoring of Project Schedule & Project trackers for GFC / Shop drawings, Material Delivery and work progress and interface & coordination of electro mechanical services.
- Preparing RFI's (request for information) or design / co-ordination issues from drawings to reduce risks in construction thru correctly coordinating design documents.
- Conducting meetings with Consultants and contractors for reviewing Project progress, design and delivery targets / issues and preparing consolidated reports / MOM
- Implementation of Quality Check list (HVAC, Fire protection & Control systems), timely inspection and certifying check list of Non conformance report etc.
- Using specialist design skills and knowledge early in the process to ensure informed decisions, Evaluate design options during design review to minimize changes during construction
- Coordinating with Facility Management or Client representative for handing-over process.
- Review of material submittals & method statements
- Execution and co-ordination with respect to the all other services (civil, electrical, mechanical, plumbing, fire fighting etc.)
- Estimation of HVAC tendering works
- Floating enquiry to the supplier/ manufacturers for specialized works.
- Collection of rates from various suppliers.
- Calculate the quantities for the works from tender documents.
- Estimate proposal, queries regarding the tender documents with client/consultants.
- Testing & commissioning activities with Progress reporting, monitoring, witnessing on the design/build contractor.
- Assuring that contractors have carried out testing and commissioning as and in accordance with the applicable technical specification with proper codes and standards.
- Reviewing and accepting as-built drawings and records are reflecting in detail the as-built condition of the MEP installations.

#### **EXPERIENCE SYNOPSIS**

**AR Riyadh New Mobility, CWG Group: Orange Line - Metro Rail Project**  
( Salini Impregilo, Larsen & Toubro, Nesma & Partners ) JV  
Riyadh, Kingdom of Saudi Arabia

From July 12, 2017 to March 31, 2021 as **Senior Project Engineer MEP**

**Registered as Engineering Technologist in Saudi Council of Engineers**  
Membership no. 704650

#### **Company profile:**

Ar Riyadh New Mobility Consortium (ANM) was selected to deliver the 41.8Km Line 3 of the Riyadh Metro which will form part of the six-line mega project that will run for a total length of 176Km across the city. ANM is led by Italian construction group Salini Impregilo and includes partners Larsen & Toubro (India), Nesma (Saudi Arabia), Ansaldo STS (Italy), Bombardier (Canada), Idom (Spain) and Worley Parsons (Australia).

**Job Responsibilities: Mechanical (HVAC, plumbing, Fire Fighting) Works for DUG Section- 7 Deep Under Ground Stations, Tunnel Ventilation Works, Evacuation shafts**

1. Monitoring, Executing interface & co-ordination Project of HVAC/ fire fighting/ Plumbing/ Electrical services works.
2. Responsible for Installation of Air-handling units, Fan Coil Units and ceiling suspended Installation of Primary pumps, Secondary pumps.
3. Responsible for Installation of Heat Recovery unit.
4. Responsible for Installation of MS pipe, supporting and insulation all over the closed loops system.
5. Responsible for Installation of GI Duct factory fabricated for all AHU's connection, fresh air supply, exhaust air system, winter cooling connections, heat recovery units connections.
6. Responsible for Chemical Cleaning, Passivation of open/closed loop system before initial start-up of the system.
7. Responsible for Testing and commissioning of chillers, pumps, Air handling units
8. Responsible for installation of Fire fighting, Fire alarm works.
9. Responsible for installation Plumbing & drainage.
10. Tunnel Ventilation system (OTE duct works with vermiculite coating & UPE duct with fire rate paint, Fans , Track ventilations works (Jet Fans - 42 Nos)
11. Testing & commissioning activities with Progress reporting, monitoring, witnessing on the contractor.
12. Water mist system installation (Pipes, Nozzle, Valves, High pressure pumps (stations) in Tunnel (11 Km)
13. Responsible for assuring that contractors have carried out testing and commissioning as and in accordance with the applicable technical specification with proper codes and standards.
14. Responsible for reviewing and accepting as-built drawings and records are reflecting in detail the as-built condition of the MEP installations.

**ALKOMED ENGINEERING SERVICES COMPANY WLL,  
Manama, Kingdom of Bahrain**

From October 4, 2015 to June 13, 2017 as **Estimation Engineer (HVAC)**

**Registered as Mechanical Engineer in Council of Regulating the Practice of Engineering Professions (CRPEP) Category – B  
Registration no. EPP/C2239/ME/06-B**

**Company profile:**

Alkomed Engineering Services Company WLL is one the largest and leading MEP contracting and utility company in Kingdom of Bahrain. It is registered as Grade A Electromechanical contracting company in ministry of works. Working with various clients, **Bapco, Alba, Balexco, MCSC** and all major clients.

**Job Responsibilities:**

1. Estimation of HVAC & Plumbing services works.
2. Responsible for providing complete quantity take-off, analysis, and estimate, and studies for all deliverables involved in the assigned scope.
3. Tender document evaluation/understanding of scope
4. Estimation of the quantities for tender and verify bill of quantity.
5. Preliminary costing and pricing. Responsible for costing & estimations, obtaining subcontract prices & supplier prices by floating sub-contractor enquiries and supplier enquiries.
6. Collection of rates from various supplier/ manufacturers for specialized works.
7. Calculate the quantities for the works from tender documents.

8. Estimate proposal, queries regarding the tender document with client/consultants.
9. Checklist of documents to be prepared for the submission of the bid.
10. Tender proposal submission as per the technical requirements of the clients.
11. Assist in processing of service requests from projects.
12. Attend pre-tender meetings and site visits as directed.
13. Preparation of compliance statement and deviations made for tender documents.
14. Prepare and finalize the tender/bid documents and make timely submittal in full compliance as per tender requirements.

**LARSEN & TOUBRO Limited, Construction  
(Building & Factories IC – Commercial Buildings & Airports)**

From March 17, 2008 to March 31, 2015 as **Assistant Construction Manager**

**Company Profile:**

L&T Construction – L&T is India's largest engineering & construction organisation. Many of the country's prized landmarks projects- Airport, Metros, its exquisite buildings, tallest structures, largest industrial projects, longest flyovers, highest viaducts - have been built by Construction. Leading-edge capabilities of ECC cover every discipline of construction: civil, mechanical, electrical and instrumentation engineering.

**Undertaken Projects:**

**IT Park Project- HCL Technologies, Sector 126, Noida (Uttar Pradesh)**

From August 2014 to 31 March 2015

Designation- Assistant Construction Manager (MEP-HVAC)

Client- HCL Technologies

Consultant- TATA Consulting Engineers

**Job Responsibilities:**

1. Monitoring, Executing, Interface & coordination Project of HVAC works for chilled water capacity plant of 3200 TR (800TR x 4 nos).
2. Installation of Air-handling units Floor Mounted and ceiling suspended (150+100) nos with MS pipe thru chilled water.
3. Installation of Primary pumps 4 nos, Secondary pumps 7 nos.
4. Installation of cooling tower 1000TR capacity 4 nos
5. Installation of Heat Recovery unit- 4 nos and winter cooling cabinet fans- 8 nos.
6. Installation of MS pipe, supporting and insulation all over the closed loops system.
7. Installation of GI Duct factory fabricated for all AHU's connection, fresh air supply, exhaust air system, winter cooling connections, heat recovery units connections.
8. Chemical Cleaning, Passivation of open/closed loop system before initial start-up of the system.
9. Testing and commissioning of Chiller, pumps, air handling units.
10. Installation parking ventilation jet fans 60 no's, Tube Axial Smoke exhaust fans, lift lobby, lift well Pressurization system.
11. Testing & commissioning activities with Progress reporting, monitoring, witnessing on the design & build contractor.
12. Assuring that contractors have carried out testing and commissioning as and in accordance with the applicable technical specification with proper codes and standards.

**New Air Traffic Control Tower** at Delhi Indira Gandhi International Airport (India) is the Tallest in India (101 m high)

From 15 December 2011 to 31<sup>st</sup> July 2014

Project value- 198 crore INR (MEP approx. 80 crore)

Designation- Assistant Construction Manager/ **MEP Co-ordinator**

Client- GMR Delhi International Airport Private Limited

Consultant- RSP Bangalore/HOK International

#### **Job Responsibilities:**

1. Monitoring the overall contracting procedure to ensure on going compliance with the company's internal policies and procedures.
2. Tracking the status of all contractual and maintaining a master list of contracts and related forms.
3. Review of amendments/variation order incl. Commercial issue for rates & quantities.
4. MEP – coordination of all MEP services construction activities, Clashes, and technical work routing of services with finishes activities.
5. Ensure relevant contractual correspondence is properly registered in the document management system.
6. Assist in the resolution of contractual disputes and involve for legal inputs.
7. Contractor's mobilisation as per the requirement of the project.
8. Project plan preparation as per the contractual start & finish dates.
9. Purchase order/work order and preparation in connection with purchase team for for terms & condition as per the contract.
10. Follow up with the suppliers for timely delivery of the equipments/material and ancillary items as per the technical specification.
11. Tracking for the payments of the suppliers/contractor's with the commercial department.
12. All the changes which incur cost is notified to the client as Change Order request.
13. Submission of all the Change Order's cost estimate and finalize the quantities as per the actual measurement.
14. Preparing the Project schedule with respect to the actual progress of the project.
15. Preparation in connection with quality team material submittals/method statements as per the technical specification.
16. Preparation of plan and arranging for the Third party for the inspection.
17. Preparation of all end documentation works with the in connection with suppliers and project site team for the handing over of the system.

#### **Delhi International Airport, Terminal-3 Green Field Project**

From- March 17, 2008 to 15 December 17, 2011

Larsen & Toubro Limited, Construction EPC contractor

Designation-Senior Engineer (Mechanical) and Promoted to Assistant Construction Manager (Mechanical)

Client- GMR Delhi International Airport Private Limited

Consultant- Parson Brinkerhoff

Contractor HVAC- ETA Consortium (ETA Ascon UAE & ETA Engineering Pvt Ltd India)

It is the largest fast track HVAC project in India of costing 492 crore with plant capacity of 18500TR (2500 TRx7) cooling capacity, 7 million Cum/hour ventilation capacity, Energy saving features with VFD drive motors, Co2 and Voc censors, Heat recovery wheel and free cooling in winter seasons. Life and fire safety features implementing smoke removal system from fire dampers, lift lobby, lift well, stair case pressurisation etc.

2.5 lac sqm duct network and 46 km chilled water closed circuit.

Project Value- 8500 Crore (HVAC works 392 Crore)

### **Job Responsibilities:**

- 1 Monitoring and executing HVAC works for Passenger Terminal Building at arrival level, airline offices in arrival level, Baggage sortation Hall.
- 2 Reviewing the Technical submittals & Specifications for proper co-ordination and execution works.
- 3 Follow up and timely implementation of the technical submittal & drawings comments to the subcontractor.
- 4 Monitoring Sub-contractor's work to ensure quality and progress of work as per schedule.
- 5 Coordination with Sub contractor/ Employer to provide solutions affecting design developments / coordination matters.
- 6 Achieving monthly targets and giving inputs for monthly billing based on actual progress of work at site.
- 7 Interface co-ordination for HVAC works with interface manager in connection with other MEP & finishes team at site.
- 8 Equipments installation of Air Handling units, Fan coil units Airline offices, Baggage sortation hall, VIP Lounges.
- 9 Installation of supply/return/smoke/exhaust air duct.
- 10 Testing & commissioning works for Air handling units, Fan Coil Units, fresh/exhaust fans.
- 11 Preparing of access plan for the equipments to there locations in co-ordination with Floor manager.
- 12 Installation of AHU, FCU, duct, pipe and its insulation works.
- 13 Preparing the plan to give clearance for the finishes works and execution of works as per the area of priority.
- 14 Fire alarm and Fire fighting construction works of WSFS building at Runway.
- 15 Testing & commissioning activities with Progress reporting, monitoring, witnessing on the design & build contractor.
- 16 Assuring that contractors have carried out testing and commissioning as and in accordance with the applicable technical specification with proper codes and standards.
- 17 Reviewing and accepting as-built drawings and records are reflecting in detail the as-built condition of the MEP installations

### **Enviro Roots Pvt Ltd in 2007**

#### **Project Engineer - Estimation works**

### **Alfa System & Services, Noida (Uttar Pradesh) in 2006**

#### **Metro Hospitals & Heart Institute, Air conditioning works at Noida**

#### **Project Engineer - Estimation works**

### **Additional courses:**

1. Advance Diploma in Air conditioning & Refrigeration in 2007 from IERF, New Delhi, India
2. Diploma in Engineering (Mechanical) in 2001 from Aligarh Muslim University, Aligarh (Uttar Pradesh), India

### **Training programs:**

1. One day training program of VRF selection & piping design at Blue star India Ltd, New Delhi.
2. One day training Program of Piping design of Chilled/condenser water piping at Indian Society of Heating Refrigeration and Air-conditioning Engineers at New Delhi.
3. One day training Program of Duct designing at Indian Society of Heating Refrigeration and Air-conditioning Engineers at New Delhi.

**PLANNING SOFTWARES:**

MSP

**PERSONAL INFORMATION**

NAME : Vipul Yadav  
FATHER'S NAME : Yadram Singh  
DATE OF BIRTH : 10 November 1979  
LANGUAGES : English and Hindi  
NATIONALITY : Indian  
Address : Noida Extension (Uttar Pradesh) INDIA  
Driving license : Bahrain, Saudi Arabia

Dated:

Place: Noida Extension (Uttar Pradesh) INDIA

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