

# MANAS KUMAR SATAPATHY

Senior Mechanical Design Engineer cum Draughtsman (HVAC)

Project Estimation and Purchases Coordinator

Dubai, United Arab Emirates.

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## Career Summary

Hard-working and adaptable well-trained Mechanical Designer & Draughtsman with more than 10 years of professional experience as HVAC Mechanical Draughtsman, Purchase Coordinator, and as a Quantity Surveyor. Looking for forward-thinking employers who can fully utilize my abilities as well as my aspirations to ensure that businesses run with maximum efficiency in areas of my expertise and with complete control, building business relationships across all cultures and experience levels.

## Area of Interest

- ✓ Drawings in AutoCAD Ver.2000 to 2020 & Revit
- ✓ HVAC Shop Drawings
- ✓ Purchase and Estimation

## Computer Skills

- ✓ Arc GIS, Micro station V8i
- ✓ Microsoft Office,

## Professional Experience

Total Experience 15+ Years' Experience in the field

- **GIS** 5+Years' (in INDIA)
- **HVAC** 10+Year (5 Years in UAE)

### SUN MIDDLE EAST ELECTROMECHANICAL WORKS LLC

HVAC Designer cum Draughtsman and Purchase Coordinator

### RAMTeCH SOFTWARE SOLUTION PVT LTD.

HVAC Draughtsman and Modelor

### RAMTeCH SOFTWARE SOLUTION PVT LTD.

GIS Engineer (Geographic Information System)

Dubai, United Arab Emirates

Nov 2019 - Mar 2022

Dubai, United Arab Emirates

Sep 2017 - Nov 2019

Jul 2011 - Sep 2017 (India)

India, Hyderabad, Telangana.

Jan 2007 - Jul 2011

## Job Responsibilities

As a **HVAC Mechanical Draughtsman**

- ✓ Supervision of high rise Residential and Commercial project, ensuring compliance with safety requirements and with local (UAE) as well as international codes and standards.
- ✓ Work inspections with the consultant for HVAC Material submittals, RFIs, Shop & as built drawing etc.
- ✓ QA/QC In the work and material used following the standards, codes and method of statement.
- ✓ Preparing Daily/ weekly / monthly reports.
- ✓ Oversight of Mechanical deliverables such as Single Line Diagrams, Schematics, Shop Drawings,
- ✓ Preparing BOQs, Price comparisons, Material requests etc in the Project.
- ✓ Making LPOs and meeting with potential suppliers or sub-contractors for receiving quotation and proposals.
- ✓ Reviewing design drawings and prepare detail shop drawing accordingly.
- ✓ Calculation of CFM, air distribution duct design following SMACNA, duct design codes selection of diffusers, grilles G.I sheet etc. (McQuay Software).
- ✓ Calculating the Duct Designing according to the CFM&L/s by using McQuay Software.
- ✓ Calculating the Pipe Sizing for the chilled water & refrigeration system according to the GPM.
- ✓ Preparing in the Shop Drawings, as built, Sections and Schematic for the project HVAC System.

As a **Purchase Coordinator**

- ✓ To prepare BOQ as required for the project.
- ✓ To raise material request & ensure material specification.
- ✓ To order and purchase materials based on progress of site work by coordinating
- ✓ With our accounts department & suppliers.

As a **Quantity Surveyor**

- ✓ To prepare BOQ required for the Project Mechanical & Drainage work.
- ✓ To read and confirms the Tender Specifications with Consultant.
- ✓ To make Estimation and to prepare quotation for the inquiry of MEP works.

## Projects

- ✓ Expo 2020 (Dubai)
- ✓ Harborview (Dubai)
- ✓ The Palm Gate way (Dubai)
- ✓ Marassi Galleria mall (Bahrain)
- ✓ Beech Palace/Chorisia /Hazaa/Chairman/Jvc/Health Club ( Some Villa Dubai )

## Details of some Projects

### EXPO 2020 71-002 OPERATIONS PAVILION Dubai, UAE

This project having seven pavilions Dubai government.

- ✓ **BARWA Financial District (QP DISTRICT), Doha, Qatar**

This project having nine towers and hotel.

- ✓ **THE ADDRESS HOTEL, Dubai, UAE**

This project having residential and Hotel building.

- ✓ **MALL OF THE EMIRATES, Dubai, UAE**

This Project having SHOPPING MALL having Ground Floor and Roof.

- ✓ **ABU DHABI AIR PORT, Abu Dhabi, UAE**

This project having Abu Dhabi Airport.

- ✓ **MARINA GATE, Dubai, UAE**

This project having three towers residential and hotel.

## Project Details of M.E.P. (Scope of Work)

- ✓ Mechanical Shop drawings (MEP) & Builders work information as per shop drawings
- ✓ Installation as per approval shop drawings.
- ✓ MEP Coordination with consultant engineer as per approval shop drawings
- ✓ Record drawings (as built).
- ✓ Working drawings of pipe work general arrangement along with water pipe schematic diagram. Builders work drawings including details of plinths, bases, brackets, wall and floor openings, roof openings, including fan curbs and trimmer requirements.
- ✓ Relevant openings required in suspended ceilings, together with access requirements suitable for testing, commissioning and maintenance. Air handling unit manufacturers dimensioned arrangement drawings.
- ✓ All packaged equipment certified drawings including chillers, FCU, AHU, FAHU etc.
- ✓ This Specification details the minimum requirements for both the operational and technical aspects of the works, the supply, installation, testing, commissioning and maintenance of the proposed Drawing.

## Educational Qualifications

- Board of Secondary Education, Odisha in 1995.
- Intermediate Council of Higher Secondary Education Odisha in 1997.
- Bachelor's Degree in Arts from Anchalik Mahavidyalaya Odisha in 2000.
- I.T.I. Mechanical in Damanjodi Industrial Training Center Odisha in 2003.
- Master Programming in Cad/Cam CIPET from Cipet Odisha in 2005.
- Diploma Mechanical Engineer from AIIT Hyderabad in 2006.

## Personal Details

- Name Manas Kumar Satapathy
- Date of Birth July 05, 1979
- Nationality Indian
- Marital Status Married
- Language English, Hindi, Odia (Speaking and Writing)
- Passport No **M9992348** valid until June 15, 2025
- Residence Visa **Freelance Visa**
- Permanent Address At/Po-Banasingh Via-Mahimagadi  
Dist-Dhenkanal, Pin-759014  
State-Odisha,  
Country - India.