

# R. Bala Subramani

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**Presenting over 9 years' experience in Building HVAC & MEP services (HVAC, Firefighting, Plumbing) construction projects across India & Oman, and seeking assignment as....**

## HVAC & PLUMBING DESIGN & DRAFTING

Extensive working experience in contractor and client domain, and proven ability to handle post contract project life cycle through the stages of HVAC drafting, HVAC design, Mechanical drafting (Drainage, water, firefighting, irrigation services), Takeoff quantity for Tender. Track record of success in delivering projects drawing & design within, quality & timeline parameters; closely working with client, consultants, contractors, vendors & project management team. Capable of independently managing mechanical/plumbing/firefighting scope of works and coordinate entire gamut of MEP with other disciplines at various stages of MEP projects. Strong commitment to quality, timeline and cost; professionally competent to lead project management functions at all stages of the project, driving excellence in operations, while efficiently managing interfaces and dependencies to bring out deliverables in order to achieve schedule milestones. **Areas of Interesting ....**

⊕ HVAC design / drafting mgnt      ⊕ MEP design / drafting mgnt      ⊕ Construction Management

## EXPERIENCE SUMMARY

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<b>HVAC &amp; MEP Drafting Engineer   Abu Hatim Group – Muscat, Oman</b>	<b>Aug2017– Present</b>
<b>HVAC Design and Drafting Engineer   UPSPL – Chennai / Bangalore, India</b>	<b>Jun 2016–Aug2017</b>
<b>HVAC Draftsman   Enmac Systems Pvt Ltd – Chennai, India</b>	<b>Apr 2012– Jun 2016</b>

## PROFESSIONAL SYNOPSIS

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- Design & Drafting experience in HVAC systems hotel, hospital, shopping mall, residences, commercial building and clean room. good drafting knowledge of HVAC ducting design, VRF & chilled water pipe sizing, Schematic Layout and chiller Plant Room shop drawings, coordination drawings, and builders work drawings with proper selection & Elevation.
- Proficiency in HVAC heat load calculation: manual, excel sheet and carrier HAP software. duct static pressure calculation, pump head calculation, lift well and staircase pressurization calculation, chiller pressurization tank & cooling tower make up water calculation, car parking & kitchen ventilation systems, thermal comfort air conditioning calculation. Proficiency in VRF Pipes seizing software for toshiba daikin, carrier & lg.
- Evaluating design drawings and calculations for plumbing components, piping and mechanical systems to satisfy target requirements throughout the design process and contribute to content and direction. Mechanical and plumbing combined services internal & external MEP co-ordination shop drawings.
- Good selection knowledge of chiller, cooling tower, chilled water pump, AHU, VRF indoor & outdoor & Airside equipment's. Good working knowledge of various building services design codes such as British Standards, ASHRAE, ISHRAE, NFPA, and other international design codes.
- Preparing bill of quantities for HVAC and Plumbing services & tender drawings take off all material quantities.
- Attend site meetings with Client, Consultants and HVAC & MEP sub contractor for co-ordination and execution of projects.

## SOFTWARE SKILLS

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- Good Working Knowledge in AutoCAD 2D.
- Basic of Revit MEP.
- HVAC Design: Carrier HAP Software.
- VRF Pipe Design Software: Toshiba, Daikin Carrier & LG.
- M.S Office, M.S Word.

## INTERPERSONAL SKILLS

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- Good public speaking and compeering skill.
- Self-Motivated & Quick Lerner.
- Problem Solving, Creativity & Teamwork.
- Trustworthy.

## PROJECTS HANDLED

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### IT Parks

- Kotak Mahindra Bank.Ltd @ Chennai.
- Accenture Innovation Center @ Bangalore.
- Cogizant @ Mepz, Chennai.
- Wipro Technologies @Chennai.

### Hotels

- Hablis Hotels @ Chennai.
- Beyond Hotel @ Coimbatore.
- The SPK Hotel @ Madurai.
- GoldHub Restaurant @ Ulbarga.

### Hospitals

- Apollo Cardiac Centre @ OMR.
- Muthu Meenakshi Hospital @ Pudhukottai.
- Mehta Hospital @ Chennai.
- CMC Hospital (OT) @ Vellore.
- Sri Balaji Multi Speciality Hospital @ Chennai.

### School & Colleges

- APL Global International School @ Chennai.
- SSN Engineering College @ Chennai.
- Xime Business School @ Chennai.
- Sri Ram Engineering College @ Chennai.

### Industrial

- Brakes India Ltd- ABS Building @ Padi Factory, Chennai.
- Amara Raja Infra Pvt.Ltd @ Tirupathi.
- Interplex Electronics India Pvt. Ltd @ Sriperumbudur.
- Chennai Engineering Coating Company Pvt.Ltd @ Chennai.

### Residential villas & Appartments

- VGN Homes Private Limited @Chennai.
- Newry Propoerties- Serenity Appartment @ Chennai.
- Accord Villa @ Adayar.
- GRT Jewelry, NAC Jewelry & Prince Jewelry, @ Chennai.

### Oman Muscat:

- RCA Office and Laundry @ Mobella.
- General secretariat – New office building @Al rawiya.
- Villa-01North, South, Villa-02, 03, 04, 05 & AC Garage @Barka Palace.
- ROP Viewing Gallery @ Wattayah.
- Hisn A'Shumookh - Underpass 259mtr Tunnel @ Nizwa.
- Oman Museum across Ages -Underpass @ Nizwa.
- MOD New Officers Mess - Rao Camp @ Khassab.
- ROP- Primary Substation @ Alkhoud.
- Muskat Electricity- Primary Substation @ KOM.
- Mozoon Electricity- Primary Substation @ Al Awabi, Al Hazim & Wadi Pani.
- AAmah Villa @ Baaushar Heights.

## EDUCATION

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**Diploma in Mechanical Engineering (Refrigeration and Air-conditioning),  
A.M.K Polytechnic College, Chembarambakkam, Chennai.  
Affiliated to Anna University. 82%**

## PERSONAL PARTICULARS

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- **Date of Birth:** Jun 02, 1992
- **Languages Known:** English, Tamil, Telugu
- **Nationality:** Indian
- **Passport No:** Z3964934
- **Marital Status:** Single
- **Skype Name:** live:..cid.23f52b323432ce9d
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