

# COVER LETTER

**REDDY SWAMI  
CHANDRA REDDY**

✉ rswamichandrareddy123@gmail.com

☎ +91 6302216607

Dear Sir/Ma'am

I am writing to you as a response to your advertisement concerning your need for **Structural Design Engineer**. This position seems an ideal opportunity for me as it matches to my knowledge, experience, skill sets and my carrier ambitions.

During my career as a structural design engineer in **Econstruct Design and Build Pvt Ltd**, I worked on several projects in both **Residential and Commercial Buildings**.

I have good communication, presentation & leadership skills to take the projects and am capable of preparing **presentations & Design Basis Reports** for all types of projects based on Code Standards.

I have excellent abilities to lead the team as structural engineer for executing the works from Start to GFC drawings for the challenging projects.

I have good exposure to Standard software like **CSI ETABS, CSI SAFE, SAP200, CSI Detailer RCDC, Autodesk AutoCAD, IDEA Statica, PROKON, Microsoft Office(Word, Excel, Power-Point)**

I am Having profound knowledge in **Indian and International standard codes**

Within ten years I see my self as senior structural Design engineer, designing Skyscrapers for Multinational Companies

I sincerely look forward to further discussion about the role of the said position.

Thank you for giving me an opportunity to introduce my skills and caliber to you. I highly appreciate your time in considering me.

Sincerely,

*Swami*

REDDY SWAMI CHANDRA REDDY



# REDDY SWAMI CHANDRA REDDY

STRUCTURAL DESIGN ENGINEER

A driven structural engineer, having experience in Modelling, Analyzing, Designing & Detailing of various RCC, Steel structures & Different types of Foundations.

## CONTACT



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Bengaluru, India

## LANGUAGE

English

Hindi

Telugu

## SOFTWARE SKILLS

CSI ETABS

CSI SAFE

SAP2000

CSI Detailer

STAAD Pro

RCDC

Prokon

Autodesk AutoCAD

IDEA Statica

Microsoft Office

(Word,Excel,PowerPoint)

## WORK EXPERIENCE

Structural Design Trainee Engineer | Nov 2021-Till now  
Econstruct Design & Build Pvt. Ltd. Bangalore.

## EDUCATION

BACHELOR'S IN CIVIL ENGINEERING  
Vignan University | 2017 -2021

## TECHNICAL SKILLS

- P- $\delta$  Analysis
- Response Spectrum Analysis
- Dynamic Wind Gust analysis
- Modal Analysis
- Buckling analysis
- Soft Storey effect
- PBD Analysis
- Creep analysis
- Torsional Irregularity
- Stiffness modification factor(SMF)
- Auto construction Sequence Analysis
- Vibration Analysis
- Orthogonal axis analysis
- Water tank designs
- Footing design etc.

## CODE BASED SKILLS

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- IS 456:2000
- IS 1893:2016
- IS 875:1987(Part1,2,3)
- IS 875:2015 (Part 3)
- IS 16700:2017
- IS 13920:2016
- IS 8000:2000
- UBC97
- CEB-FIP

## PROJECTS IN RCC

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- G+42 RESIDENTIAL  
[MUMBAI]
- G+24 REHABILITATION  
[MUMBAI]
- G+16 FLAT SLAB  
[MUMBAI]
- G+12 RESIDENTIAL  
[ANDHERI]
- G+9 RESIDENTIAL  
[MYSORE]
- G+5 RESIDENTIAL  
[MUMBAI]
- G+4 COMMERCIAL  
[HSR LAYOUT]
- G+2 COMMERCIAL  
[NEELMANGALA]
- G+2 RESIDENTIAL  
[TUMKUR]
- WATER TANK DESIN

## PROJECTS IN STEEL STRUCTURES

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- BUNGEE JUMPING  
[GOA]

## MOST CHALLENGING PROJECTS

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- In RCC projects, G+42 building is most challenging project since, it was slender building and governing in lateral displacements, required to design for dynamic gust analysis and also due to more stiffer elements, modal mass participation is difficult to achieve in that particular project.
- In sub structure, it is the pile + raft foundation.
- In G+9, Residential project,. Placement of columns is difficult & the size of the columns are restricted to 230mm width, Since residential building.
- In G+4 Commercial project, sub structure is eccentric footing. Building undergoing differential settlement. for controlling the settlement strap beams are adopted.
- In Steel structures, Bungee jumping is challenging project since, it is huge cantilever and deflection and lateral displacements are governing building.
- In sub- structure it is actually pile + pile cap, Since it is located near by river

## REFERENCE

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Mrs. Shraddha Pingale

Jt.Managing Director

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Econstruct Design & Build Pvt Ltd, Bangalore.

Mr. Sandeep Pingale

Founder & Director

+91 7259921111

Econstruct Design & Build Pvt Ltd, Bangalore.

I hereby declare that all the facts mentioned above are accurate, and I take full responsibility for their accuracy.