

Appana Santosh

B.Tech(Civil Engg.), NIT Calicut, 2009-13

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PROFESSIONAL SUMMARY

- 5 years of experience in Structural Design and Cost Estimation of Multi Storey Buildings.
 - Proficient in using Staad Pro, Etabs, RCDC and Autocad Softwares
 - Reputation for on-time delivery of projects while maintaining the quality standards.
 - Preparation and evaluation of tender documents.
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WORK EXPERIENCE

Assistant Manager – Civil (July-2017 to present) Executive – Civil (April-2015 to June-2017)

HSCC India Limited

Design and Engineering (Structure Department)

Structural Design of Multi Storey Buildings

- Structural Analysis and Design of Structural Elements which include Isolated footings, Strip Footings, Raft, Columns, Beams, Slabs, Flat Slabs, Stairs, Retaining Walls, Underground Tanks for Multi Storey Buildings (Hospitals and Residential Blocks) using Staad pro, Etabs, Excel Sheets and Manual Calculations as per Indian codes.
- Verifying and approving the drawings prepared using RCDC and AutoCAD Software of Multi Storey Buildings (Hospitals and Residential Blocks).
- Verification of Analysis results and Design Calculations.
- Planning and Inspection of Geotechnical Investigation and study of Geotechnical reports
- Preparation and evaluation of Tender Documents
- Collaboration and coordination with Architecture, Electrical, HVAC and Project Management departments for smoother and hassle-free delivery of projects.
- Mentoring junior staff and draughtsmen.

Projects Undertaken

- Geriatrics Block at AIIMS, New Delhi consisting of three Basements + Ground + Eight storeys
- Super Specialty Block at Shimla under Pradhan Mantri Swasthya Surakasha Yojana consisting of two lower Ground + Ground + Six storey
- Super Specialty Blocks at various locations viz. Kota, Gwalior, Jabalpur, Rewa, Patiala, Siliguri, Dibrugarh under Pradhan Mantri Swasthya Surakasha Yojana consisting of ground + Five storeys
- Residential Quarters (Type-III and Type-IV Housing) and Hostel Blocks at Regional Institute of Medical Sciences, Imphal.

Executive – Civil (Nov-2013 to March-2015)

HSCC India Limited

Design and Engineering (Estimation Department)

Cost Estimation of Multi Storey Buildings

- Preparation of Preliminary, Detailed Estimates, Bill of Quantities for civil works.
- Preparation of Rate Analysis of civil works by considering the market rates of different materials and Labour (by using Esta software).
- Preparation of Justification Statement of civil works.
- Preparation and evaluation of Tender Documents.

Projects Undertaken

- Residential Blocks (Type Quarters and Hostel Blocks) at National Cancer Institute, Jhajjar, AIIMS
- VVIP Paid Ward consisting of three basements + ground + nine storeys at AIIMS, New Delhi
- Sub Specialty Block at NIMHANS, Bangalore

Trainee Engineer– Civil (May-2013 to Oct-2013)

Power Mech Infra Limited

Project Management Department

Client : Bharat Heavy Electricals Ltd.

Project : 2X800MW Yermarus Thermal Power Plant, Raichur.

Duties and Responsibilities:

- Preparation of Sub Contractor Bills and certifying them as per work order.
- Preparation of Client Bills and getting certified as per Bill of Quantities.
- Preparation of Daily Progress reports, Weekly Progress reports and scheduling the activities according to the progress of the project.
- Estimation of Quantities from the drawings.
- Preparation of Bar Bending Schedule.

EDUCATION

Qualification	Board/University	Institute/School	Year of Passing	Percentage/ CGPA
B.TECH (Civil)	National Institute of Technology Calicut	National Institute of Technology Calicut	2013	7.65
Intermediate (Class 12 th)	The Board of Intermediate Education of Andhra Pradesh	St Patrick's Junior College, Hyderabad	2009	91%
SSC (Class 10 th)	Andhra Pradesh Board of Secondary School	Sri Guru Datta High School, Hyderabad	2007	88%

ACADEMIC PROJECTS & SEMINARS

1. **Optimization of Linear Pipe Network Systems**, Academic Project, August 2012- March 2013.
Optimized a water distribution pipe network by treating parameters- pipe diameter, discharge and pressure head as design variables so as to arrive at a network economically more feasible to meet a given supply demand scenario.
2. **Estimation of Peak Outflow Hydrograph due to Earth Dam Failure**, Academic Project, January 2012- March 2012.
Developed a method to predict dam breach outflow hydrograph of an earth dam. Also, studied the influence of breach development time of the outflow hydrograph.
3. **Rammed Earth Construction**, Seminar, October 2012.
Critically reviewed the characteristics, advantages, and construction procedure and design considerations of rammed earth through this seminar.

COMPUTER SKILLS

- Proficient in Staad Pro, Etabs, AutoCad, RCDC, Esta Softwares
- Experience using Primavera & MATLAB.
- Microsoft Office: Word, Excel and PowerPoint.

AREAS OF INTEREST

- Reinforced and Pre-stressed Concrete Structures
- Structural Analysis
- Quantity Surveying and Cost Estimation

LANGUAGE SKILLS

English (Fluent), Hindi (Intermediate) and Telugu (Native)
