

Name : SUKUMAR N
Profession : Structural Designer
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Overview:

Structural Designer with 6 Years and 8 months of Work Experience in the preparation of General arrangement, Architectural, Plant layout & Fabrication drawings for Industrial Steel Structures and RCC Structures and Good Experience in S3d,E3D 3D modelling and 2D drawing extraction thru DRAW for various Design Standards.

Job Responsibilities:

- Preparation of Civil & Structural Drawings and to suite project requirements.
- Preparing modeling as per design standard using Smart 3D & Aveva everything 3D.
- Modelling of Steel structures, Junction towers, PEB sheds, Main pipe Rack, Access Platforms, Equipment supports, Stair Tower and ladder.
- Preparation of structural drawings by interacting with other disciplines such as piping, electrical and instrumentation regarding the structural requirements.
- Study of Input drawings and Raising queries to clients.
- Preparation & Checking of General arrangement drawings as per Layouts.
- Preparation of GA for various Industrial steel structures like Conveyors, Bunker, Hoppers, Junction towers, PEB sheds, Pipe rack structures and several miscellaneous structures.
- Preparation of detail fabrication drawings for fore mentioned structures.
- Fabrication drawings for Bunker & hopper structure, pipe racks and Conveyor gallery.
- Preparation of detail drawings for forging machine foundation, Chimney, Tunnel & Furnace.
- Preparation of deep foundation, detail drawing for construction, Underground water retaining structures like Sequencing Batch Reactor, Clear Water Reservoir.
- Checking/Preparation of BOQ for steel structures & RCC Structures.
- Familiar in Preparing scheme/ Connection details in the existing structures.

Education:

2015 – 2017 Diploma in Civil Engineering, Tamilnadu Polytechnic College, Madurai, Tamil Nadu with 83%

2013 – 2015 Hsc in Govt.Higher Secondary School overall percentage 84%

Experience:

02.2023 – Present Kellogg Brown & Root engineering and construction (P) Ltd., Chennai.

12.2017 – 02.2023 JTP Consulting Engineers (P) Ltd., Chennai.

PROJECT INVOLVED:

- ✓ P-80 | PETROBRAS | Offshore | Detailed Engineering | FPSO | Brazil
 - Modelling and detailing for Primary and Secondary steel of Modules & Pipe racks, using S3D model.
 - Using S3d Draw for extracting Primary & Secondary Structures drawing & Report Generation.
 - Modelling and detailing for Staircase, ladders & Handrails using S3D model.

- Checking of Navis Model with other discipline modelling work and update the structural model.
- ✓ Plaquemine's LNG project | Venture Global LNG| Detailed Engineering (EPC) |Fixed Platform | Louisiana, USA
 - Modelling and detailing for Primary and Secondary steel of Modules & Pipe racks, Foundation & Pile for Steel structure using E3D model and draft & Auto cad.
 - Detail design drawings for steel plan, Spandrel, bent & Structure foundation & pile.
 - Foundation drawing extraction and Rebar arrangements.
 - Preparation of foundation and pile layout drawing.
 - Preparing stair case detail drawing in AutoCAD & E3d draft.
- ✓ 1600 MT Coal Storage Hopper, *Mangalore , Client: Chettinadu Cements*
 - Preparation of GA & Fabrication drawings for *Hopper Supporting structure*.
 - Preparation of GA & Fabrication drawings for *Surge Hopper & Weigh Bin*.
- ✓ *3x660 MW Koradi TPP Extension Project (MAHAGENCO) Nagpur, Client: ISGEC*
 - Preparation of belt & pipe conveyor layout, GA drawings for Transfer tower, Bunker supporting structure with 100MT bunker
 - Preparation of civil drawings for substation, conveyor & Transfer tower
 - Preparation of GA & Fabrication drawings for Pipe rack.
- ✓ *Detailed Axle forging plant Machine foundation for RWF, Bangalore, Client: ISGEC*
 - Preparation of GA & fabrication drawings for PEB structure with gantry girder
- ✓ *Dalla Cement Works – Client: UltraTech Cements*
 - Preparation of civil & RC drawings for closed & open belt conveyor
 - Preparation of fabrication drawings for the conveyors
 - Preparation of GA for air slide conveyor over existing silo with connection details
 - Preparation of GA & Strengthening details for the existing packing plant
 - Preparation of kiln replacement platform for the replacing of kiln shell
- ✓ *Conveying unit with Overhead bunker – Client: Coal India Limited*
 - Preparation of civil & RC drawings for 40000 Ton RCC bunker along with tipper conveyor steel floor & shed.
 - Preparation of detailed BBS for 40000 Ton RCC Bunker
 - Preparation of GA & Fabrication for truck receiving station with 8 Nos of 120MT Steel Hopper & supporting Structure.
 - Preparation of GA & Fabrication drawings Bunker Super structure
- ✓ *Coal shed & Pet Coke shed for Talcher Fertilizers by Space frame– Client: LNVT*
 - Preparation of GA drawings for coal shed of span 90m & length of 375m
 - Preparation of GA drawings for Pet coke shed of span 90m & length of 97m
 - Preparation of Connection details of Ball
- ✓ *Patna & Cuttack Cement Works – Client: UltraTech Cements*
 - Preparation of civil & RC drawings for Wagon loading shed
 - Preparation of Structural GA for the wagon loading shed of length 715m
 - Preparation of civil & architectural drawings for truck loading.
- ✓ *196MLD WTP at Tiruppur – Client: Eco Protection Engineers*
 - Preparation of civil drawings for IPS & Filter house
 - Preparation of architectural drawings for admin building, filter house & Pump foundations
 - Preparation of civil GA for pump foundation & pipe supports.

- ✓ *92.5MLD STP at Ujjain– Client: Eco Protection Engineers*
 - Preparation of civil drawings for SBR, PTU & Clarifloculator
 - Preparation of civil GA for pump foundation & pipe supports.
- ✓ *JSW Steel Ltd., – Client: LNV*
 - Preparation of steel GA drawings for hopper building with 6 nos of 1400MT circular hopper silo
 - Preparation of fabrication drawings for hopper building
- ✓ *1x11.5MW Power Plant – Client: ISGEC*
 - Preparation of civil & RC drawings for waste pit of size 20m x 30m with PEB shed over the pit with gantry girder
 - Preparation of civil GA for boiler, lime & silo building & FGT
 - Preparation of Fabrication drawings for the PEB shed for boiler & Tipping floor area.

Similar PROJECT Handled:

- ✓ Worked for Worley India Pvt. Ltd. As an external resource for 3 Months as Structural Detailer on a Pipe Rack Project.
- ✓ 50MLD Sewage treatment plant at Nessapakam (*Client: SATTVA*)
- ✓ 37MLD Water treatment Plant at Aizwal (*Client: Eco Protection Engineers*)
- ✓ 10MLD Sewage Treatment Plant at Porur, Kolathur, Nessapakam, Mogappair & Perungudi (*Client: BGR*)
- ✓ Pipe rack supporting structure of length 2kM with fabrication drawings having two & three tier pipe with cable tray & walkway - (*Client: BGR*)
- ✓ PEB structures for GEA Shop & Proposed shop - (*Client: BGR*)
- ✓ Adani Krishnapattanam port - (*Client: Kali FLCe*)

PERSONAL STRENGTHS:

- a. Dedicated and Sincere in work.
- b. Quick Learner
- c. Initiative and Committed to the Project Schedule.
- d. Achieve the target efficiently.
- e. Flexible in time as per Project requirements.
- f. Friendly nature with Team members to create comfortable zone in Work.

SOFTWARE:

- S3d model & DRAW
- E3D model & DRAW
- NAVIS
- Revit Architecture & Structures
- Microsoft Word & Excel
- AutoCAD (2D)

PERSONAL INFORMATION:

Gender	: Male
Date of Birth	: 04.11.1998
Address	: 1/151,Periyanyagapuram Village, Chettikurichi (P.O), Virudhunagar (D.T) Tamil Nadu- 626134
Nationality	: Indian
Languages	: Tamil and English

REFERENCE:

Name	Mr. S. Vasantha Kumar
Designation	Engineering Manager
Company Name	JTP Consulting Engineers Private Ltd.,Chennai.
Contact Tel No.	+ 91 9788421378

Name	Mr. S. Kalyana Sundarm
Designation	Senior Structural Draughtsman
Company Name	TR, Chennai
Contact Tel No.	+ 91 9940465483

DECLARATION:

I hereby declare that the information furnished above is true to the best of my knowledge and belief. I assure that, if I am placed, I will serve the organization with at most genuineness and dedication.

Yours Faithfully
(SUKUMAR N)