RAJAT SACHDEVA
CIVIL STRUCTURAL ENGINEER
rajatsachdeva_10@yahoo.com (+91-9996096096)

OBJECTIVE: Seeking career growth in field of civil engineering and utilizing the knowledge possessed from my past experiences. To work with motivated attention, to excel in the job, offered to me.

PROFESSIONAL EXPERIENCE:

1. Tractebel Engineering Pvt. Ltd. formerly known as "Lahmeyer International Pvt. Ltd". (June-2015 to September 2018)
2. Cinda Engineering & Construction Pvt. Ltd. (September 2018 to Currently Working)

PROFICIENCIES

- Design and Detail engineering in 3D environment of Civil Structural/Architectural area of Oil & Gas Industry, Thermal Power plant, Combined Cycle Power Projects, AIS & GIS Substations..
- Conversant with American and Various International Building Codes for both Steel & Concrete Structures (AISC 360-05, 10, ACI 318-08, ASCE 7-05, UBC-98, IBC-05, IS-802).
- Analysis and Design of Oil & Gas & Power Plant Structures such as Pipe Racks, Conveyors, Complex Steel buildings like GTG & STG & RCC Structures & Substations using software STAAD-Pro, STAAD Foundations, SP3D, Smart Plant Review, PLS Tower, RAM Connection etc.
- Standardization of design methodology and developing standard programs for manual excel design calculations. Co-ordination with the Clients for approval of drawings.

SPECIALIZATION EXPERIENCE

- Approx. 4 Years of experience in Computer Aided Analysis, Design and Detailing of Steel and Concrete structures of Coal & Gas Based Power Plant Projects & Substations (including Design & Detailing of Pipe Racks, Crain Girders, Gantry Girders for Electric Operated Overhead Cranes, Elevated steel Platforms, Operating floors, AIS/GIS Buildings, Control Building with cable cellars, Gantry Towers & Beams, Transformer Foundations & Auxiliary Equipment Foundations.)

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PROJECT CURRENTLY WORKING ON

- LNG REGASIFICATION TERMINAL AT DHAMRA PORT (5MMTPA)

  - Project Client : Adani
  - Project Location: Dhamra, Odisha (India)
  - Project Duration: Sept 2018 To TILL DATE (Currently Working On)

Responsibilities in Project:-

- Structural Design & Detailing of Substructure & Superstructure of Various Civil structures
- Steel & Concrete Pipe Racks,
- Workshop & Warehouse Shed
- BOG Compressor Shed
- Designing & Detailing of Steel fabrication Drawings & Connection.
- Conducting regular meeting with PMC/Clients for resolving any concerns in project.

LIST OF ALL PROJECTS EFFECTIVELY COMPLETED

- 2X450 MW COMBINED CYCLE POWER PLANT TURAKURGAN,UZBEKISTAN

  - Project Client : UZBEKENERGO (Unit of Government Of Uzbekistan)
  - Project Contractor: Calik Enerji/MHPS
  - Project Location: Turakurgan, Uzbekistan
  - Project Duration: DEC-2016 To SEP-2018

  Project Brief: The proposed power project shall consist of two combined cycle blocks, each comprising of one (1) GTG, one (1) HRSG and one (1) STG along with common BOP (balance of plant) facilities and 220kV switch yard for power evacuation

  - Responsibilities Served In Project:
  - Complete Detailing & Design of various Steel & Concrete complex structures (using American Codes & Standards.
  - Design of Equipment Foundation & Building Foundation.
  - Estimation & Costing including Man-Hour estimations.

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Below listed structures were designed & successfully executed at site.

- Gas Turbine Building: - A 23 m High Complex Steel Structure housing the Gas Turbine with 125 TONS EOT crane & various equipments. Complete Design & Detailing of Superstructure & Foundation were successfully taken up & concluded. All Steel Connection design & detailing USING Ram Connection, including checking/reviewing of steel fabrication drawings.
- Central Control Building: - G+2 Concrete Building Structure with Cable Room at Ground Floor, Switchgear Room & Central Control Room at First & Second Floor Respectively. Complete Design & Detailing of Foundation & Superstructure with Rebar-Cad drawings has been successfully completed.

- Softening Plant Building: - Complete Analysis & Design of Steel Superstructure & Foundation.
- In-house Heating Water System Building: - Complete Analysis & Design of Steel Superstructure & Foundation
- Power Station Auxiliary Transformer Foundation: - Complete Analysis & Design of Foundation.
- Workshop & Administration Buildings: - Complete Analysis & Design Superstructure & Foundation.

- POWER PLANT 13 COMBINED CYCLE POWER PLANT (SAUDI ELECTRICITY COMPANY)
  - Project Client : SAUDI ELECTRICITY COMPANY
  - Project Location: Riyadh (Saudi Arabia)
  - Project Duration: June-2015 To OCT-2016
  - Responsibilities: Structural Analysis & Design of Superstructure and Foundations of Process buildings & Steel Structure Sheds equipped with heavy EOT crane capacity (115 TONS) using American and Saudi Codes & Standards. Preparing Design Criteria for the project, Developing design Standard Excel sheets. List of building done completed in project are:
  - Fuel Gas Compressor Shed (with 50 TON EOT Crane Capacity)
  - Electrical Control Building
  - Main Power House Building (with 115 ton EOT Crane Capacity)
  - Hydrogen Generation Building
  - Water Treatment Plant

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➢ 400 KV & 765 KV SWITCHYARD STRUCTURES

- Project Client : Power Grid Corporation of India (PGCIL)
- Project Location: Substation to be set up in Bhuj (Gujarat)
- Project Duration: 25-Feb-2015 To 10-Apr-2015
- Responsibilities : Analysis & Design of Gantry Beams, Towers & Equipment Support Structures using Staad Pro V8i including calculation of loads due to Wind, Conductor deviation, Conductor Tension for both Normal & Short Circuit Conditions. Preparation & Detail Review of Fabrication Drawings.

➢ NEYVELI NEW THERMAL POWER PROJECT 2X500 MW AT NEYVELI (TAMIL NAIDU)

- Project Client : Neyveli Lignite Corporation Ltd. (NLC)
- Project Contractor: Bharat Heavy Electrical (BHEL) & ESSAR Group
- Project Duration: April-2015 To June-2015
- Responsibilities : Provided consultancy services to Client NLC i.e. Reviewing of Design Calculations, Arrangement & Adequacy of Civil Structures listed below :-
  - ➢ Service Building
  - ➢ DM Clarified Water Pump House
  - ➢ DG Building
  - ➢ Lignite Handling System

➢ 380/132/33KV BSP AL-MADHYA

- Project Client : Saudi Electricity Company
- Project Duration: March-2015 To June-2015
- Responsibilities : Design & Detailing of 380 kV GIS building with power control cable tunnels and stepped access, Reinforced concrete foundations for the Power Transformers, Station Service Transformers, Capacitor Banks and PACUs.:-
- Fire pumps house, underground RCC water tank and connected trenches & miscellaneous structures.

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Educational Details:

1. B.E in Civil Engineering scoring 71 % with first division from Punjab Technical University, Jalandhar, Punjab. (2012-2015)
2. Diploma in Civil Engineering scoring 70 % with first division from Haryana Technical Education Board. (2009-2012)
3. Class Xth from P.K.R Jain Public School Ambala City.(CBSE Board-2009)

Personal Details:

Date of Birth:	10th July 1994
Marital status:	Unmarried
Father's Name:	Rajesh Kumar Sachdeva
Mother's Name:	Rama Sachdeva
Present address:	H.No.986, First Floor Sector-28, Sarasvati Vihar Gurgaon-122002.
Contact number:	+91-9996096096

I do hereby declare that all the information given above is true to the best of my knowledge and belief.

Rajat Sachdeva

(Signature)