

# NIRAJ P. JOGI

## CIVIL ENGINEER



B.E. Civil in 2009 from Dharmsinh Desai Uni. ,  
Nadiad, Gujarat, India  
[www.ddu.ac.in](http://www.ddu.ac.in)



STAAD Pro, RCDC, STAAD Foundation, ETABS,  
Safe & AutoCAD



Bombay, India



+91-9998497619



nir.213j@yahoo.in



### Profile

- Experience in structural analysis and design of multiple industries, liquid retaining structures, water & sewage treatment plants, solar power plant, commercial and residential projects.
- Analysis, design and detailing of RCC, steel structures, equipment foundations like compressors, pumps, static equipment, tank farm, cooling tower basin etc. using STAAD pro or similar software.
- Calculation of wind, seismic and other loads as per Indian codes.
- FEM analysis for design of water tank and raft foundation.
- Coordination with all other streams viz Architecture, Mechanical, Electrical, Piping, etc. during all stages of design.
- Scrutiny of RCC and steel structures.
- Proficient in workout detail BOQ.
- Review of equipment vendor drawings and geotechnical report.
- Developing civil design basis, design calculation and deliverable list.
- Preparation and checking of fabrication drawings and MTO.
- Manage CAD technicians for the delivery of project work as per agreed program.



### Employment History

Company	Designation	Project Types
<b>TATA Consulting Engineers</b> Sep. 2021 – Present	Manager	Food Industry Project
<b>SMPS Consultants LLP</b> July 2018 – Aug. 2021	Sr. Design Engineer	Industrial Projects Such as Pharmaceutical, Chemical, Food, Material Handling Plant, Pesticide, BOPP, ZLD Plant etc.
<b>Neilsoft India Pvt. Ltd.</b> May 2017 – May 2018	Sr. Design Engineer	Solar Power Plant & Effluent Treatment Plant
<b>DELF India Pvt. Ltd.</b> Dec. 2015 – April 2017	Design Engineer	Industrial & Architectural Projects Scrutiny of Solar Power Plant
Feb. 2015 – Nov. 2015	Working as Freelancer	
<b>Sauranchana Sturcon Pvt. Ltd.</b> Apr. 2012 – Jan. 2015	Design Engineer	Water & Sewage Treatment Plants, Pumping Stations, Industrial Sheds and Water Tanks
<b>HCPDPM Pvt. Ltd.</b> Jan. 2011 – Jan. 2012	Project Engineer	Preparation of BOQ, Estimation, Tender & PMC Job Like Quality Checking, Execution, Work Progress for Arch. Projects
<b>WAPCOS (India) Ltd.</b> Aug. 2009 – Aug. 2010	Junior Engineer	Planning of Narmada Branch Canal Networking System
<b>Ranjit Buildcon Ltd.</b> Industrial Training in 8 <sup>th</sup> sem.	Trainee Engineer	Construction of Railway Over Bridge



## Major Project Description

### ● **New Formulation Plant for Rallis India Limited**

Location – Dahej, Gujarat, India

A Tata group company is in the process of setting up at Dahej, Gujarat, a 30000 kL/MT per annum capacity agro chemicals formulation unit along with warehousing capacity of 10,000 kL/MT of storage of raw material, packing material and finished products. The proposed new set up consist of Main plant PEB Building, Tank Farm for various solvent tanks, a storage shed, formulation plant structures and pipe rack. Besides, Administration building and related utility, ancillary buildings and infrastructure works are also planned. The scope includes entire multidisciplinary engineering support including structural design support to new facilities.

### ● **New Alumina Hydrate Production Facility for M/s Gujarat Credo Alumina Chemicals Pvt. Ltd.**

Location – Mundra, Gujarat, India

The production capacity of plant is 60000 MTPA.

Scope of work included entire multi-disciplinary engineering support i.e., process, structural, electrical, mechanical, civil and HVAC. The major plant structures including pipe racks, belt conveyors, STP, steel platforms, etc. supported on piles.

### ● **Pharmaceutical Projects (OSD & API Plant)**

Location – India & Africa

RCC frame structure with steel roofing & HVAC supporting steel platform, utility building, solvent storage, scrap yard, pipe bridge, transformer foundation, underground tank with pump room. The scope includes entire multidisciplinary engineering support.

### ● **Bio-diesel Manufacturing Plant for Fairchem Speciality Limited**

Location – Sanand, Gujarat, India

The project consisted of plant buildings up to 35m height, pipe racks, under & above ground tank farm, warehouse structures, pump & equipment foundation, control room building etc.

### ● **Nahar Polyfilms Limited, Expansion of BOPP Plant**

Location – Bhopal, India

Expansion of existing facility with an annual capacity of 30000 Ton by adding a new building in the vacant area, adjutant to existing plant. The size of main plant building is 270m x 50m with PEB roofing and RCC slabs in part area. It consisted of equipment foundations, internal & external pipe racks, silo foundation, transformer foundation etc.

### ● **Amul Feed Plant**

Location – Kapadivav, Gujarat, India

The project is of 1000 MT capacity and expandable up to 2000 MT capacity.

It consisted of various units such as Process Building, Grain Process Area, Utility Building, etc

### ● **Liquid Retaining Structures**

Location – India

Water & sewage treatment plants, zero liquid discharge plant of various capacities from 50 MLD to 200 MLD consisted different units such as clarifier, chemical house, filter house, cascade aerator, RO-UF building, pump foundation, MVRE structure etc.

Pump Stations & Underground Tanks of 50000 Ltr. Capacity to 50 Lakh Ltr. Capacities.

### ● **Solar Power Plant for Adani Green Energy Ltd. (5MW to 100MW)**

Location – India

Analysis & design of different units such as module mounting structure, machine room, transformer foundation etc. and checking of area grading.

### ● **Riverfront Development**

Location – Silvassa, Gujarat, India

Analysis & design of RCC retaining walls, multi-level parking, area development etc.

### ● **Residential & Commercial Projects**

Location – Gujarat, India

Residential buildings up to 13 stories with basement, multi-level parking, institutional buildings & bungalows.

### ● **Narmada Canal**

Location – Gujarat, India

Hydraulic design & planning of Narmada branch canal networking system.

## **Co-curricular Activities**

- Take Part in Techfest at IIT, Bombay
- NSE's Certificate in Financial Market

## **Languages Known**

