

PERSONAL DETAILS

Name	Raju Ramdas Wagh
Profession:	Structural Engineer
Date of Birth	24 th July 1983
Nationality	INDIAN
Total years of Experience	12.00 Years
Permanent Address	Raunak Row House No :- 10,Happy Home Colony, Dwarka , Nashik.
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Objective:

To give my level best with what I have & what I can for being a key player in challenging & creative environment along with development of my nation.

Key Qualification

- Have Eleven & Half Years of Profession experience in the field of Structural Engineering. The Experience covers in Structural Design of Chemical , Petrochemical & Refinery Process Industry as well as in Infrastructure field.

The experience spectrum covers **Analysis and design of steel frame structure, design of Pipe rack , Design of Annular raft Foundation of 42.00m high Heater Structure, Design of Technological structures, Design of Equipment foundations, Dynamic analysis of machine foundations, Design of crossover structure, Design of composite Pipe rack, Design of Storm water drain, Design of Contaminated rain water system, Review of vendor GA dwg. & loading data , Finite Element Analysis of foundations, Review of design documents & Structural drawings, Cable trench design for Substation, Design of Pipe sleeper, Thrust Blocks, Preparation of Bill of Quantities. Prepared user friendly MS-Excel Sheets for Design of Slab, Beam, Column & foundation design as per Indian Standard, Design of machine foundation for dynamic analysis, Cantilever Retaining wall design, Design of base plate, splice plate design etc.** Also have excellent knowledge of engineering software such as STAAD pro, Navisworks for review.

In Infrastructure Field, experience spectrum covers In-house Design of Box Culvert, Design of Minor Bridges, In-house Design of Retaining Wall, Design of Administrative Building, Design of Plant Foundations, Design of U-Through Wall Section, Review of Design & Drawing of Box Culvert , Review of Design & Drawing of Minor Bridges, Review of Bridge Bearing, Review of Major Bridge Design & Drawing, Review of Pipe Culvert Drawing, Review of Flexible Pavement Design Report as per IRC-37-2018 Provisions, Determination of Flexible Pavement thickness for Tendering Purpose.

EDUCATIONAL QUALIFICATION

Degree	Institution	Year of Passing	Percentage / CGPA
M. E. (Structures)	K.K. Wagh Institute of Engineering Education & Research, Nashik	2013	7.92 CGPA
B. E.	K.K. Wagh Institute of Engineering Education & Research, Nashik	2005	67.47%
DIPLOMA	Government Polytechnic Nashik	2002	85.95%

Computer Proficiency:

- STAAD – Pro.
- MS Office.
- AUTOCAD

Special Achievements :-

- Scholarship for the Academic Year 2002-2003 from **Sir Ratan Tata Trust** .
- **Padmashri Karmaveer Kakasaheb Wagh** Memorial Merit Scholarship for academic year 2003 -2004.
- Certificate of proficiency for securing **First position in ME- 1st year Civil – Structures during academic year 2011-2012.**
- Certificate of proficiency for securing **First position in ME- 2nd year Civil – Structures during academic year 2012-2013.**

Training :-

- Attended Training on “Design, Construction & Maintenance of Flexible Pavement “, Conducted by Central Road Research Institute, Delhi on 21/07/2014 To 25/07/2014.

WORK EXPERIENCE

Total Work Experience	20-03-06 -3-3-2011
Organization :	1) Toyo Engineering India Private Limited
Designation :	Senior Assistant Engineer – (Civil Design Department)
PROJECTS	
1) Project Name	SULPHUR RECOVERY UNIT PROJECT - VIZAG
Duration	20 th March 2006 to 31 st January 2007
Design Task :-	<ul style="list-style-type: none">• Design of Piperack• Design of Cross over Structure.• Design of Equipment Foundations.
2) Project Name	MCCPTA – HALDIA.
Duration	1 st February 2007 to 31 st March 2008
Design Task :-	<ul style="list-style-type: none">• Design of RCC Box Culverts.• Design of Equipment Foundations.• Design of Piperack• Dynamic Analysis of Machine Foundations for various modes of vibrations.• Design of Storm water drainage system .• Design of Industrial rack for supporting electrical cable tray, Instrumentation duct, Pipe supports.• Design of Local Supports.• Design of Local Platforms.
3) Project Name	Shell Singapore
Duration	1 ST April 2008 to 31 st June 2008
Design Task :-	<ul style="list-style-type: none">• Design of Local Platform.• Design of Retaining Wall.• Design of Block Foundation for Supporting Skid.
4) Project Name :-	Haldia Petrochemicals Limited.
Duration	1 st July 2008 to 31 st February 2009
Design Task :-	<ul style="list-style-type: none">• Design of Technological Structure.• Design Pipe supporting Structures.• Review of Design & Drawings of outside party.• Design of RCC Box Culverts .
5) Project Name :-	KSRU- Sulphur Recovery Unit Project -Bhathinda
Duration	1 st March 2009 to 31 st March 2010

Design Task :-	<ul style="list-style-type: none"> • Design of Composite Piperack for supporting Process pipes, Electrical cable trays, Instrumentation ducts & Air fin Cooler. • Design of Technological Structures. • Design of compressor foundation for Dynamic loading. • Design of Silencer Supporting Structure. • Design of Pump foundations for Dynamic loading. • Review of Vendor drawing of Equipment Foundations & Air Fin Cooler data .
6) Project Name :-	Diesel Hydrotreater Project –HPCL Mahul Refinery Mumbai.
Duration	1 st April 2010 to 3-3-2011.
Design Task :-	<ul style="list-style-type: none"> • Design of Steel Piperack for supporting Process pipes, Electrical cable trays, Instrumentation ducts & Air fin Cooler . • Finite Element Analysis of Annular Raft foundation for Heater & Verifying it's results by manual calculations.
Organization :	2) Technoforce Solutions India Pvt LTD.
Designation	Senior Structural Engineer.
Total Work Experience	From 01/02/2013 To 30/05/2013
1) Project Name	Nagarjuna Agrichem LTD.
Design Task :-	<ul style="list-style-type: none"> • Design of Equipment Supporting Structure. (For ATFD & Staircase Setup) • Submission of Load Data sheet for foundation design along with base plate & Anchor bolt design.
2) Project Name	Hetro Labs LTD.
Design Task :-	<ul style="list-style-type: none"> • Design of Equipment Supporting Structure. • (For ATFD , SPDU, Partial Condenser & Staircase Setup) • Submission of Load Data sheet for foundation design along with base plate & Anchor bolt design.
3) Project Name	Daya Lubricants Pvt Ltd.
Design Task :-	<ul style="list-style-type: none"> • Design of Equipment Supporting Structure. (For ATFD , SPDU, Partial Condenser & Staircase Setup) • Submission of Load Data sheet for foundation design along with base plate & Anchor bolt design.
4) Project Name	Cipla Pvt Ltd.
Design Task :-	<ul style="list-style-type: none"> • Design of Equipment Supporting Structure. (For ATFD , SPDU, Partial Condenser & Staircase Setup) • Submission of Foundation Design & Drawing.
Organization	3) Uhde India pvt. Ltd.
Designation:	Executive Engineer

Total Work Experience	From 20-12-2013 to 28-02-2014.
1)Project Name	CFI Industry – Ammonia & Urea Plant - USA
Design Task :-	<ul style="list-style-type: none"> • Design of Piperack Structure. • Design of Local Platform
Organization	4) Ashoka Buildcon Limited
Designation :	Junior Executive
Total Work Experience	From 03-03-2014 to Till Date
1) Project Name	Mudhol Nippani Road Projects (SH-18)
Design Task :-	<ul style="list-style-type: none"> • Review of Design & Drawing of Box Culvert. • Review of Design & Drawing of Minor Bridge. • Review of Design & Drawing of Pipe Culvert. • Inhouse Design of Box Culvert under Change of Scope. • Inhouse Design of Overhead Gantry. • Inhouse Design of Plant Foundation. • Inhouse Design of Retaining Wall for Minor Bridges. • Review of Load Testing Report of Minor Bridges. • Inhouse Design of Cantilever Gantry
2) Project Name	Dhankuni Kharagpur Road Projects (NH-6)
Design Task :-	<ul style="list-style-type: none"> • Structural Design of VMS Gantry. • Structural Design of Trauma Care Center Building. • Structural Design of Restaurant Block Building. • Structural Design of Dormitory Block Building. • Structural Design of Restaurant Block Building. • Structural Design of Residential Quarter Building. • Structural Design of Box Bridge Structure under Change of Scope. • Structural Design of Solid Slab for Minor Bridge
3) Project Name	Bagewadi – Bailhongal – Saundatti (KRDCL)
Design Task :-	<ul style="list-style-type: none"> • Inhouse Design of Minor Bridges. (14 nos) • Inhouse Design of Box Culvert. (16 nos) • Development of Excel Sheet Program for Abutment Substructure. • Development of Excel Sheet Program for Pier Substructure. • Development of Excel Sheet Program for Box Bridge Structure. • Development of Excel Sheet Program for Hydrology Calculation for Minor Bridges by Area Velocity Method. • Development of Excel Sheet Program for Solid Slab. • Development of Excel sheet program for Girder Type Bridges. • Development of Excel Sheet Program for Box Culvert. • Development of Excel Sheet Program for U-Through Section. • Development of Excel Sheet Program for Retaining Wall. • Development of Excel Sheet Program for Crack-width Calculations.

	<ul style="list-style-type: none"> • Development of Excel Sheet Program for Elastomeric Bearing Design • Approval of Design & Drawing of Bridges & Culvert from Independent Engineer (i.e. LASA India, New Delhi) • Load Testing of Girder Type Bridges. • Design of Plant Foundation.
4) Project Name	Hungund – Muddebihal-Talikot Road (KRDCL)
Design Task :-	<ul style="list-style-type: none"> • Inhouse Design of Minor Bridges. • Inhouse Design of Box Culvert. • Design of Plant Foundation. • Typical Design of Retaining Wall for Various Height. • Design of Plant Foundation. • Inhouse Design of Overhead Gantry
5) Project Name	Madhugiri- Mulbagal Road Project (NH-234)
	<ul style="list-style-type: none"> • Review of Design & Drawing of Minor Bridges. • Review of Design & Drawing of Box Culvert. • Review of Pipe Culvert.
6) Project Name	Ranastalam- Anandapuram Road Project Andrapradesh (NH-16)
Design Task :-	<ul style="list-style-type: none"> • Review of Design & Drawing of Box Culvert. • Review of Design & Drawing of Minor Bridges. • Review of Design & Drawing of Vehicular Underpasses. • Review of Design & Drawing of Light Vehicular Underpasses. • Review of Design & Drawing of Typical Design & Drawing of Retaining Wall for Various Height Considering filling Material as Earth & Fly ash option. • Review of U-Through Wall Section for Box Culvert.
7) Project Name	Islampur Bypass (NH-31)
Design Task :-	<ul style="list-style-type: none"> • Review of Design & Drawing of Box Culvert. • Review of Pipe Culvert Drawing. • Review of Design & Drawing of Vehicular Underpass
8) Project Name	Jalgaon-Bhadgaon (PKG-1) & Bhadgaon-Chalisgaon Road Project (PKG-2) - (NH-753J)
Design Task :-	<ul style="list-style-type: none"> • Review of Design & Drawing of Box Culvert & its Approval from Proof Consultant & Authority Engineer. • Review of Design & Drawing of Minor Bridges & its Approval from Proof Consultant & Authority Engineer. • Review of Design & Drawing of Major Bridges & its Approval from Proof Consultant & Authority Engineer. • Review of Design & Drawing of Load Testing for Major & Minor Bridges. • Review of Working Drawing of Pipe Culvert

	<ul style="list-style-type: none"> • Inhouse Design of Retaining Wall with & without Shear Key Option Design for Major Bridges, Minor Bridges & Box Culvert • Inhouse Design of U-Through Wall Section. • Inhouse Design of Plant Foundation. • Review of Bearing Design & Drawing • Review of Pedestrian Underpass & Vehicular Underpass Design & Drawing & its approval from Authority Engineer.
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Languages

Languages	Reading	Speaking	Writing
English	Good	Good	Good
Hindi	Good	Good	Good
Marathi	Good	Good	Good

Hobbies :-

- Playing Cricket
- Preparing Design Sheets on Excel.

I hereby declare that the above mentioned information is correct to the best my knowledge and I bear the responsibility for the correctness of the above mentioned particulars.

Place: - Nashik

Wagh Raju Ramdas.

Date: - 06/09/2020