

Name **Jitendra Kesharao Hatwar**  
Date of birth 1981, 24 May  
Nationality Indian  
Profession Water/Wastewater Engineer  
Membership Life member of Indian Association for Environmental Management  
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### Key qualifications

**Postgraduate in Civil engineering** with 10 year's national/international experience in field of **Water/Wastewater** design consultancy. Has been involved in preparation of master plan, feasibility reports, detailed project report, detailed engineering design and tender documents for **water & wastewater** engineering project

Also, has worked on prestigious projects funded by External funding agency like **World Bank, ADB and JBIC**.

### Education

2007 Diploma in Industrial Safety, NILEM, India  
2005 M-Tech (Civil), specialization in Environmental Engg., IIT-Roorkee, India.  
2002 B.E (Civil), Nagpur University, India.

### Computer literacy

- Software Packages AutoCAD Civil 3D 2009, Mapinfo 10, EPANET, WaterCAD, WaterGEM V8i, SewerCAD V8i, StromCAD V8i and MS Project.
- Platforms Windows 98, XP & Vista.

### Employment record

**Oct 2010 – till date** **Sr. Design Engineer, Hyder Consulting India Pvt. Ltd, Bangalore (Hyder Consulting, UK)**

Responsible for hydraulics, detail design/drawing review of WWTP (**Reed Bed (Constructed Wetland), FAL and SBR**), Water Network, Sewer Network, Drainage Network, P&ID, Pumping station, CSO's, Attenuation Tank, thrust block design, pipe routing, L-section, connection details and Cross Section etc. Also responsible for preparation of Work Site Information Design Statement, Monitoring Plan, Contingency Plan, Design Safety Review, Design check compliance with Alliance QA/safety/environment goals and Progress Report.

### Project Handled

- Crossrail (Whitechapel Station, Farringdon Station, Pudding Mill Lane Portal, Paddington & Plumstead) Thames Water, UK
- Pumping Station, Holsworthy, South West Water, UK
- Muharraq STP & Sewer Conveyance, Ministry of Work, Bahrain (100 MLD SBR STP).

- Tottiford Hydraulic Design, South West Water, UK
- Lower Basildon STW, Thames Water, UK.

**May. 2009 – Oct 2010**

**Design Engineer, Dar al Handasah, Pune (Dar Group, Lebanon)**

As Design engineer, responsible for techno-economical evaluation of sewage treatment plant and hydraulic/process design of sewage treatment plant (**Extended Aeration and SBR**). Planning and design of water supply, sewerage and drainage system. Also responsible for design check compliance with Alliance QA/safety/environment goals and Review of valve and fittings material (as per ASTM, BS and IS standards) supplied by the contractor.

**Project Handled**

- Lagos Central Model City Master Plan - Urban Master Plan, Nigeria.
- Badagry Master Plan, Nigeria.
- Catumbela International Airport - Infrastructure, Angola.
- Motor World Development infrastructure Design, Abu Dhabi.
- Supervision of Construction of the Rehabilitation of Sagamu and Ijebu-Ode Water Supply Systems in Ogun State.

**Dec. 2006 – May 2009**

**Design Engineer, DHV India Pvt. Ltd, New Delhi (DHV Group, The Netherlands)**

As design engineer, responsible for site visits, data collection, population projection, water demand analysis, source identification, design of transmission main, gravity main, GLSR/ELSR and distribution system. Preparation of layout, Planning and design of sewerage system, drainage system, pumping station, water treatment plant and sewage treatment plant (**UASB, EAS, OD, WSP, FAL and MBBR technology**). Preparation of detailed design report including, bill of quantities and cost estimates.

**Project Handled**

- Consultancy services for the preparation of Master Plan for Sewerage and Drainage, Feasibility Study and Preparation of Detailed Project Report for Sewerage for 8 towns (Saharanpur, Muzaffarnagar, Ghaziabad, Noida, Mathura, Vrindavan, Agra & Etawa) of Uttar Pradesh under Yap-II, 2006-09 (JBIC funded).
- North Karnataka Urban sector investment program, Package-3 (Gulbarga, Shahabad, Yadgir, Bidar and Basavakalya) for Karnataka Urban Infrastructure Development and Finance Corporation 2009(ADB funded).

**Aug. 2006 - Dec. 2006**

**Design Engineer, Unitech Ltd, Gurgaon**

As Design engineer, involved in reconnaissance survey, site visits, design of building services (water supply, sewerage and drainage system including WTP and STP), liaisoning with contractor, preparation of project report including BOQ's, cost estimates, preparation of technical specifications and tender documents.

**Project Handled**

- Cyber Park, (Infospace) 13.35 Acres

- Group Housing, (The Close) 38.78 Acres
- Plotted Colony, (Nirvana Country) 222 Acres
- Plotted Colony, (Unitech Resorts) 104.10 Acres
- Residential Plotted Colony, Mohali, Punjab, 350 Acres
- Amusement Park Project, Rohini, 152.60 Acres

**Aug. 2005 - July 2006**

**Deputy Engineer, Lea Associates South Asia Pvt. Ltd, New Delhi (Lea International, Canada)**

As design engineer, responsible for planning and designing of water supply, sewerage and drainage system including WTP, STP, BOQ's and cost estimate. Preparation of initial environmental examination (IEE), environmental impacts assessment (EIA) and environmental management plan (EMP) for various infrastructure developments projects.

#### **Project Handled**

- Consultancy services for updated strategic option study (SOS) for the core network of Gujarat for roads and building department (R & BD), 2006.
- ADB assisted Madhya Pradesh rural road sector-I project-LN No. 2018PIC Bhopal package MP-01, 2005.
- Consultancy Services for Formulation of Development Strategy and Action Plan for a New Town – A Global City on NH-8 (Shahjahanpur-Neemrana-Behror) in the Rajasthan Sub-region of the NCR, Rajasthan, 2005.
- Consultancy services for the feasibility study and detailed project report for four/six lanning of Rumuli-Rajamunda section of NH-215, Orissa under NHDP phase-III., 2005.
- ADB assisted North Eastern Region Urban Development Project: TA-4348-IND, 2005.

**Aug. 2003 – July 05**

**Studies on distillery wastewater treatment system with reverse osmosis (M-Tech Thesis)**

Carry out feasibility study for treatment of distillery wastewater using reverse osmosis (DT membrane) for zero discharge and compared with Bio-composting, Ferti-irrigation (land treatment). The pilot plant at India Glycol Ltd, Kashipur and full scale RO plant at Shaw Wallace Distillery Ltd, Meerut has been studied. It is found that RO system can be applicable for distillery wastewater system with prior pretreatment of spentwash.

**Aug. 2003 – July 05**

**Development of techno-economics of bio-composting for distillery wastewater (M-Tech Project)**

A study includes techno-economics and detailed design of bio-composting process Sugar Mill, Dhampur. It is found that bio-compost using the press mud and spentwash from the sugar mill/distillery is the technique through which a plant can achieve zero pollution status.

**July 2002 - July 2003**

**Civil Engineer, M/s. V. L. Urewar & Contractor, Nagpur**

As civil engineer, responsible for preparation of tender documents, issue of construction drawings and construction supervision of residential building work including BOQ's and cost estimate.

### **Training & Publication**

- Introduction to PondPack V8i, Bentley Institute, April, 2010.
- Introduction to StormCAD V8i, Bentley Institute, March , 2010
- Hydraulic and Hydrology Engineering Training, 4 Days from Bentley Institute, May 27-30, 2008.
- Water Management for Sustainable Agriculture Production in Canal Commands" sponsored by CAD & WM, Ministry of Water Resources, Govt. of India, (2005).
- Co-author of a paper on “**Cost effective alternatives for disposal of distillery spent wash with a view to achieve zero discharge**”, Proceedings of International Conference on Advances in Industrial Wastewater Treatment, held at Chennai (Sponsored jointly by French and German Govts. and Anna University, Chennai), Feb. 9-11, 2005.

### **Extra-Curricular Activities**

- Joint Secretary of Student Affair Council (SAC) committee IIT-Roorkee (2004-05).
- Counselor of Jawahar Bhawan IIT-Roorkee (2004-05).
- Volunteered for the National Service Scheme (NSS) and participated in Pulse Polio Immunization (2000-02).

### **Certification**

I, the undersigned, certify that to the best of my knowledge and belief, these data correctly describes me, my qualifications, and my experience.

**Dated: 01/08/2012**

**Jitendra K. Hatwar**