



**L C Goyal**

***DGM***

***Energy Infratech Private Limited***

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## PROFILE

Mr. L C Goyal is post graduated from Indian Institute of Technology, Roorkee, Gold medalist.

He has a professional experience of over 18 years in civil design using Finite Element Method and structural analysis based software. He has expertise in designing of Water Conductor System and Power House complex (Surface and underground Structures) of Hydro Power Projects ranging from **5 MW to 1750 MW** in India and abroad (Bhutan, Uganda, and Tanzania).

He was associated with Reliance infrastructure Ltd. from 2007 to 2008 and worked on the position of Senior Manager (Civil Design) on different assignments related to the design of civil components in the hydro powerplant and Thermal Ultra Mega Power Project.

He was also associated with National Hydroelectric Power Corporation from 2001 to 2007 and worked on different assignments in various capacities. Mr. Goyal hold the position of Assistant Manager Civil Design in the design division, NHPC head office and has been involved in the design of various prestigious project.

Prior to joining NHPC, he was involved in the Ministry of Water Resources ( MoWR) project of River Brahmaputra entrusted to Water Resources Development and Training Center ( WRDTC), IIT Roorkee as a Senior Research Fellow (SRF).

Following are the list of projects that he has undertaken:

- Karuma HP Project (600 MW), Uganda
- Isimba HP Project (183 MW), Uganda
- Teesta Stage – III H.E. Project (1200 MW), Sikkim, India
- Dikchu H.E. Project (96 MW), Sikkim, India
- Malana Stage – II H.E. Project (100 MW), Himachal Pradesh, India
- Gullu H.E. Project (24 MW), Chhattisgarh, India
- Tashiding H.E. Project (97 MW) ,Sikkim, India



- Jorethang H.E. Project (96 MW), Sikkim, India
- Kuri-I H. E. Project ( 1125 MW), Bhutan
- Kurichu Augmentation H.E. Project (75 MW), Bhutan
- Kiba HPP, Uganda
- Mawphu H.E. Project (85 MW), Meghalaya, India
- Demwe Lower H.E. Project (1750 MW), Arunachal Pradesh, India
- Jangi Thopan Powari H.E. Project ( 960 MW) , Himachal Pradesh, India
- Nikachhu H.E. Project (118MW), Bhutan
- Sainj HEP (5 MW), Himachal Pradesh, India
- Panan H.E. Project (300 MW), Sikkim, India
- Loktak downstream H.E. Project (66 MW ) , India
- RongniChu H.E. Project (96 MW) , Sikkim, India
- Rangit-IV H.E. Project ( 120 MW) , Sikkim, India
- Hale Rehabilitation HP Project ( 21 MW) , Tanzania
- Double lane tunnel for Sawalkote H.E. Project
- Krishnapattanam UMPP (4000 MW), Andhra Pradesh, India
- Teesta stage- V H.E. Project (510 MW), Sikkim, India

### ***Professional Highlights***

#### **Energy Infratech Private Limited**

Dy. General Manager

At EIPL, his areas of responsibilities are as follows:

- Complete construction stage Civil detailed design and engineering of all components of Hydropower Projects, especially Water Conveyance System and Power House complex (Surface and underground Structures)
- Tender Stage Design for the project and Tender Evaluation of the project
- Detailed review engineering of the projects
- Detailed Project Report design of the projects
- Structural design of all structures of Underground & Surface Power House and ancillary works by numerical 2D and 3D modelling
- Tunnel and support design, underground excavations, surface excavation, slope stability, foundations, groundwater seepage, concrete lining design of hydraulic Tunnels/Shafts using 2D finite element analysis of geotechnical structures software Phase 2.
- Preparation of Technical Specifications, cost estimation, engineering drawings, Cross Functional Coordination, Team Management etc.
- Construction supervision at site



### ***Educational Qualification***

#### **M. Tech in Hydraulics Engineering**

IIT, Roorke in Jan. 2000

Gold Medalist

#### **BE Civil Engineering**

M.B.M. Engineering College, Jodhpur (Rajasthan) in 1997

### ***Membership of Professional Associations***

The Institute Of Engineers (India) - F-1212970