



V.K. SINGLA

General Manager

Energy Infratech Private Limited

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PROFILE

He is a mechanical engineer with more than 40 years of experience in designing hydro-mechanical equipment, turbines, valves and associated mechanical BOP for Hydro-electrical Projects. Prior to joining EIPL he was associated with SNC Lavalin Engineering India Pvt. Ltd and Bharat Heavy Electricals Ltd. and was handling mechanical aspect of various hydro-electric projects. Enlisted are the few projects undertaken by him:

- Kameng H.E. Project (600 MW), NEEPCO, Arunachal Pradesh
- Parbati II Hydroelectric Project (800 MW), NHPC, Himachal Pradesh
- Tala Hydroelectric Project (1020 MW), Govt. of Bhutan, Bhutan
- Almatti Hydroelectric Project (290 MW), KPCL, Karnataka, India
- Indira Sagar Hydroelectric Project (1200 MW), NHDC/NVDA, Madhya Pradesh, India
- Kabini Hydro-electric Project (20 MW), AP state Electricity Board, India.
- Penna Ahobilam Hydro-electric Project, (20MW) APSEB, Andhara Pradesh India.
- Shivapur Hydro-electric Project, Bhoruika Power Corporation Ltd, Karnataka, India.

Professional Highlights

Energy Infratech Private Limited

General Manager

He is involved in the preparation of Feasibility study of Hydro projects and Detail Project Reports of hydro mechanical equipment. He is also involved in designing of radial gates, vertical slide type and fixed wheel type gates, stoplogs, trash racks; and hydraulic hoists, rope drum hoists, gantry cranes etc. and preparation of technical specifications for tender documents for hydro-mechanical equipment. Other activities include estimation of quantities and cost of hydro-mechanical equipment, engineering services for bid evaluations, site & shop inspection, owner engineers; review and checking of vendor design and drawings of hydro-mechanical equipment.



SNC Lavalin Engineering India Pvt. Ltd. New Delhi

Senior Specialist - Mechanical

Areas of experience include tender and DPR level design calculations, preparation of technical specifications and drawings for hydro-mechanical equipment, turbine, main inlet & penstock valves, associated mechanical auxiliary equipment and BOPs. The activities include sizing of generating equipment, finalization of station layout; and estimation of quantities and cost of project. It also includes bid evaluation, techno-economical negotiation with vendors, review and checking of vendor's design and drawings, in-plant inspection & progress monitoring; and due-diligence study. Enlisted are the few projects undertaken by him:

- Super Trishuli H.E. Project (100.5 MW), Blue Energy Pvt. Ltd. Nepal
- Etailin Hydroelectric Project (3097 MW), Jindal Power Ltd. Arunachal Pradesh
- Tato -II Hydroelectric Project (700 MW), Reliance Energy Ltd, Arunachal Pradesh
- Kutehr Hydroelectric Project (240 MW), JSW Energy Ltd. Himachal Pradesh
- Alaknanda HEP (300 MW), GMR Badrinath Hydropower Generation Co. Ltd., Uttarakhand
- Bhairon Ghati Hydroelectric Project, Uttranchal Jal Vidyut Nigam, Uttarakhan
- Attunli Hydroelectric Project (680 MW), Jindal Power Ltd, Arunachal Pradesh
- Naying Hydroelectric Project (1000 MW), DSC Power Ltd, Arunachal Pradesh
- Hutong II HE Project (1200 MW), Mountain Falls India Pvt. Ltd., Arunachal Pradesh
- Kamala Hydroelectric Project (1800 MW), Jindal Power Ltd, Arunachal Pradesh
- Tila Hydroelectric Project (440 + 420 MW), KSK Energy Ventures Ltd. Nepal

Bharat Heavy Electricals Limited, Bhopal

Additional General Manager

Areas of expertise in BHEL include design and material planning, approval of design and drawings, technical specifications & QAP for raw material, turbine components and mechanical auxiliary equipment and BOP. Experience also includes technical scrutiny of purchase files, techno-commercial negotiations with vendors, shop and site support in solving shop and site problems.

He has the experience of detail design and development of turbine, valves and mechanical auxiliaries, in-house development of tubular type generating sets for canal power house. He also has 8-10 years' experience in project engineering and business development. He has prepared more than 200 technical proposals for new and up gradation of hydro projects for national / international customers. Project engineering includes selection of type of turbine, calculation of turbine size for given site conditions, estimation of cost of turbine and associated auxiliaries, and fixing the power house size and layout.

Educational Qualification

B.Sc. Engineering - Mechanical

From Birla Institute of Technology