

“Based on the 8 dynamic Core Values, and Motto as “Perseverance for Excellence”, we are committed to continuous improvements in our Services.”

Our Capabilities

What we specialize in?



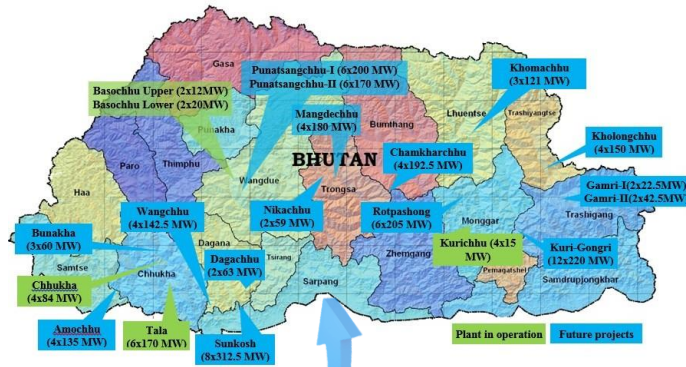
འབྲུག་རྒྱལ་ཁེ་ལེན་ལྷན་ཁག་གི་འཛིན་སྐྱོང་ལྷན་ཁག་

Bhutan Hydropower Services Limited
(A subsidiary company of **DrukGreen**)

An ISO 9001:2015 Certified Company



Perseverance for excellence



“By putting Ethics first, we assure that BHSL will continue to be a company that people will want to be a member, do business and invest in.” - CEO, BHSL

Please visit us!

BHUTAN HYDROPOWER SERVICES LTD.

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MIG & TIG
Welding



Fabrication



Repair & Rewinding of electric motors



CNC operation



NDT: MPI



HVOF Hard Coating



Manufacture of Francis Turbine



Manufacture of Pelton Turbine



Manufacture of Kaplan Turbine

Our standardized and optimized process involves advanced welding & fabrication, CNC machining, assembly, hard coating, planning & industrial engineering and thus providing a one-stop facility to our valued customers.

We specialize in manufacture and reclamation of hydro turbine components such as runners, nozzle injector system, spear tips, nozzle liners, jet deflectors, wicket gates, seals, and other associated underwater components.

We can also fabricate, machine, and hard coat your precious components, to improve life, quality, and performance and provide in-situ NDT services at your door for your convenience.

We also take on the work of design, manufacture, and installation and testing of hydro-mechanical components including penstock ferrules.



Reclamation of all types of hydro Runners and it's allied



Nozzle injector system



ONE - STOP HYDROPOWER SERVICE CENTER

BHUTAN HYDROPOWER SERVICES LIMITED (BHSL) was incorporated on 23rd of October, 2012, under the Companies Act of the Kingdom of Bhutan 2000, as a Joint Venture between: DRUK GREEN POWER CORPORATION LIMITED, a Royal Government of Bhutan undertaking and a company incorporated under the provisions of the Companies Act of Kingdom of Bhutan 2000 and ALSTOM, a company incorporated under the provisions of the laws of France. BHSL has established a state-of-the-art One-Stop Hydropower Service Center (HSC) at Jigmeling, under Sarpang District in Bhutan and is ISO 9001: 2015 certified Company. DGPC has fully owned the Company since 2022.



At BHSL, we specialize in manufacturing and reclamation of hydro runners and allied underwater components such as nozzles tips, deflectors, deflector shaft and liners, hub, guide vanes, wearing rings and face plates using advanced CNC machine tools & special equipment; MIG/TIG/FCAW/SAW/SMAW welding; and HVOF hard coating facility. We also carry out all kinds of machining and mechanical material testing jobs, with micro-structural examination. We also have a modern facility for repair and re-winding of electric motors. BHSL is connected via excellent domestic & international road network, and a domestic airport. BHSL has also ventured in design, manufacturing, and installation and testing of hydro-mechanical component and penstock of hydropower projects in Bhutan.

Vision



“To be a **leading player** in Hydropower Sector in the Region”

Mission

“At BHSL, our mission is to happily serve and consistently delight our clients and stakeholders in the hydropower industry. We will pursue and steer the wheel of hydropower knowledge to enable ourselves and others to excel”

A key adoption in the Hydropower Service Center is “Hydro manufacturing concept” (HMC) established by ALSTOM. HMC is based on the “Lean Concept” that streamlines process, improves efficiency, ensures high quality with low cost, reduces waste, and enhances health & safety of employees, that would ultimately enable to deliver fast, best quality, and affordable services to our customers. The successful implementation of 5S has also resulted in improvement of efficiency, productivity and creativity reflecting the commitment to excellence that defines BHSL.



BHSL employees with Majesty the King and Her Majesty the Gyaltshen

E- initiatives

At BHSL, one of our core values is being green-centric; in our spirits and actions through our “E-initiatives” program. The E-initiatives Program was launched on 16th March, 2013, for care and support of the employees and stake- holders of BHSL. At BHSL, we are building a Company where employee’s health & safety and environmental care are given the topmost priority. We have successfully completed all project activities with “zero man-days” lost, a record, we will continue to pursue.



Today, BHSL boasts of its pursuit for a clean environment, health and safety (EHS) of its employees and stakeholders.



Target: Zero Man-days lost

MACHINES

SPECIFICATIONS

CNC Vertical Lathe Machine	: Max turning diameter of 5m, table carrying capacity of 60 MT.
CNC Oxy-Fuel and Plasma Cutting Machines	: To cut carbon steel upto 200 mm, and stain- less steel up to 40 mm.
CNC Horizontal Lathe Machine	: Max length of 3,000 mm and max turning length of 1,100 mm, carrying capacity of 8 MT.
CNC Large Boring Machine	: Max movement permissible of 7 axes, can carry max. weight of 45 MT.
CNC Small Boring Machine	: Max movement permissible of 6 axes, can carry max weight of 20 MT.
HVOF Hard Coating System	: Hard coating of jobs with height up to 2,900mm, Diameter 5,500 mm.
Motor Coil Winding Machine	: 2 to 200 HP.
Electric SR Furnace	: Stress Relieving of Carbon Steel and Stain-less Steel Components with maximum heating capacity of 720 deg. C.