



ENERGY & POWER SOLUTIONS

Driving energy independence through clean, affordable,
sustainable & Innovative engineering solutions

www.epspak.com



ENERGY & POWER SOLUTIONS

WHO WE ARE

Energy & Power Solutions (EPS) consists of a dynamic and enterprising team of dedicated engineering professionals consistently pushing the bar of excellence higher. With their wide variety of experience in management, design, finance and technical spheres, the EPS team is equipped to offer tailored solutions for any development task and challenge. We bring excellence to whatever we undertake and deliver it in a cost-effective, efficient and timely manner. Over the years, EPS has developed trust-based partnerships with a range of national and international partners in hydro-electric design, electro-mechanical equipment, finance, enabling it to offer complete turn-key solutions for any project. Our team played the lead role in bringing first private sector New Bong Escape Hydropower Project to commercial operations stage and Gulpur Hydropower Project to financial close and construction stage.



VISION

"Our mission is to support the national drive for energy self-sufficiency by developing and implementing innovative, cost-effective, and environmentally sustainable energy solutions."

"Our Vision is to be the most diversified Quality oriented & successful innovative Engineering solutions provider in Pakistan"



MISSION



OUR PARTNERS

ENGINEERING



EPC



DEVELOPMENT





Nasir Ahmed Malik
CEO

An alumnus of prestigious University of Engineering and Technology, Lahore, and with more than 25 years of varied experience in corporate leadership positions, Mr. Nasir provides a dynamic and inspiring leadership to Multiline Team. A result-oriented professional with a strong track record in project development, implementation and partnership building to offer tailored solutions for complex projects. A natural leader, with strong belief in teamwork and merit, has developed a great Multiline team infused with spirit of dedication and excellence. Among his many other achievements, he recently played a key role in contract negotiations and completion of various hydropower projects.



Rab Nawaz
COO

Rab Nawaz comes from 15th Batch of Pakistan Administrative service and served in various parts of Pakistan and south Asia for over 32 years in varied responsible positions. He served as Assistant Commissioner, Deputy Commissioner, Project Director, Additional Secretary and Secretary of Departments of Planning & Development, Irrigation & Power and Energy. After opting for pre-mature retirement in 2014, he has worked as institutional and management expert with various international agencies including World Bank, Asian Development Bank, IFAD, UNDP and DFID/FCDO. With his extensive public sector and international development experience in Pakistan, and abroad, Rab Nawaz brings to EPS team the methods and principles for effective management, work planning and results-based implementation.



Muhammad Arshad Ch.
Technical Advisor

Muhammad Arshad Ch. is former Member (Power) Water and Power Department Authority (WAPDA). He is certified as Corporate Governance Leader by Pakistan institute of Corporate Governance and International Finance Corporation, World Bank. He also functioned as Member of Board of Directors of Kot Addu Power Company (KAPCO), Neelum Jhelum Hydropower Company Limited and Diamer Basha Dam Company.

Muhammad Arshad Ch. is M.Sc. Engineering (Mechanical) with more than 35 years of experience in Planning, Operation/maintenance & Management of Thermal/Hydro Power Plants, Procurement & Inventory Management, Human Resource Management, Contract Management, Pre-award negotiations and Construction/Rehabilitation of Hydropower projects. He has conducted various negotiations with International Donor Agencies like World Bank, AFD and KfW, USAID for Project Funding, Coordination with various Ministries for Rehabilitation/ Development of Projects, Capacity Development of Organization and Strategic & Financial Planning.



Muhammad Muneeb-ur-Rehman Khan
Manager Projects

With over 12 years of extensive experience, our team members bring in-depth expertise in Project Planning, Execution, and Contract Management, specifically within the Hydropower sector and broader civil engineering domains. Throughout his career, he has successfully led and contributed to the development of multiple large-scale infrastructure projects, including hydropower plants, dams, tunnels, water conveyance systems, and other civil works. His responsibilities have encompassed: Detailed project scheduling and planning using tools like Primavera P6 and MS Project. On-ground execution management ensures timely and quality delivery of civil work.

Managing contractual obligations, variations, and claims in accordance with FIDIC and client-specific conditions.

Coordinating with multidisciplinary teams, consultants, and stakeholders to ensure seamless project delivery. Preparing progress reports, construction schedules, work breakdown structures (WBS), and resource allocation plans.

His practical knowledge and leadership in managing complex hydropower projects have added significant value to every assignment undertaken, contributing to cost-effective and timely project completions under challenging site conditions.



Syed Mujtaba Hasssan
Technical Manager E&M

Engr. Syed Mujtaba Hassan is a results-driven Electrical Engineer with over 15 years of professional experience in power, telecom, and infrastructure development. A graduate of COMSATS, he has contributed to several landmark national projects, including the Tarbela 4th Extension Hydropower Project (T4HP), the installation of 500kV transmission lines across Jamshoro–Moro–Dadu–Rahim Yar Khan in Sindh, and the successful completion of the SNGPL civil construction project at the Gujranwala office.

He also served as the operational in-charge for Ufone towers across Sheikhpura District, ensuring 24/7 surveillance, fault resolution, and network reliability. His career is defined by hands-on execution, cross-sector leadership, and technical precision. Currently serving as Business Development Manager at Energy and Power Solutions, he brings a strategic, solution-oriented mindset to drive growth and deliver technically sound, high-impact results.



M. Arslan Mohsin Khan
Planning & Coordination Engineer

He is skilled Electrical Engineer with expertise in the design, installation, and commissioning of solar energy systems for industrial, commercial, and residential scale. He is certified in Industrial Automation & Robotics, with hands-on experience in PLC programming, SCADA, HMI systems, and automation technologies.

He possesses in-depth knowledge of solar PV technologies, inverters, battery energy storage systems, and Balance of System components, along with a thorough understanding of electrical safety standards and grid integration requirements. He has successfully executed multiple solar projects, demonstrating strong capability in system sizing, grid integration, energy audits, and technical supervision and providing hybrid power solutions.

INTERNATIONAL EXPERTS**Markus Betchart**

Markus specializes in the study and implementation of hydroelectric power generation projects. Markus 42 years' experience encompasses projects from start to finish including pre and post feasibility studies through design, specification, erection, commissioning, trouble shooting and refurbishment. He has broad-based experience of all related electrical and mechanical engineering aspects and in depth understanding of the issues involved with civil design and implementation.

He credits active involvement in projects as Project Director and Project Manager with extensive experience in the management of professional teams for hydro projects, both in the Switzerland and overseas. The projects he has been involved with have been in UK, Europe, East and South Africa, Pakistan, India, Sri Lanka and Malaysia.

INTERNATIONAL EXPERTS**Lui Xiaoying**

More than 30 years of diversified experience in the field of mechanical /hydropower engineering. Comprising several years of expertise on working out specifications, tender evaluation and installation of turbines, governors / main valves. Lui has vast experience in maintenance and rehabilitation works of mechanical hydropower equipment, as well as quality assurance and maintaining management systems at home and abroad. Being senior engineer in designing cooling and drain water systems in hydropower plants, advisor for the performance of the Rehabilitation Works of all the turbines and Refurbishment and Surface Treatment of turbines, gates and penstocks, his contributions are commendable.

PROJECT SERVICES WE PROVIDE



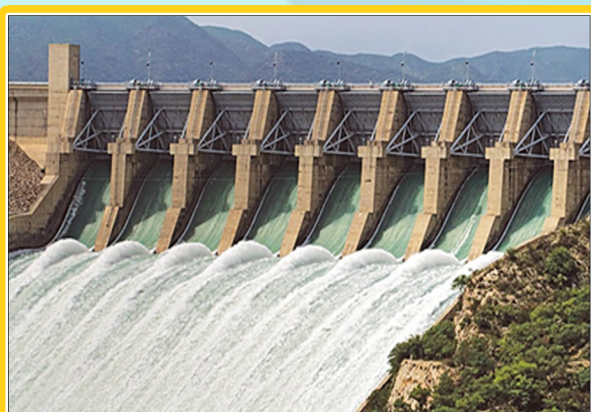
ENGINEERING SERVICES FOR EPC CONTRACTS



PROJECT DEVELOPMENT



TURNKEY SOLUTION FOR RENEWABLES



TURNKEY SOLUTION FOR HYDRO POWER



TRANSMISSION LINE & PROTECTION SYSTEM

HPP ELECTROMECHANICAL SUPPLY 130 MW DUBER KHWAR HYDROPOWER PROJECT



OUR ROLE

Our team was part of bidding negotiation and then contracted for the project with the contractor Andritz Hydro. Later on, was involved in project management, execution claim management.

CLIENT

Pakistan Water and Power Development Authority (WAPDA)

LOCATION

The 130 MW Duber Khwar Hydropower Project is located on the Duber Khwar River, a right-bank tributary of the Indus River, near the town of Pattan in Kohistan, Khyber Pakhtunkhwa, Pakistan. It's situated approximately 300 km northwest of Islamabad.

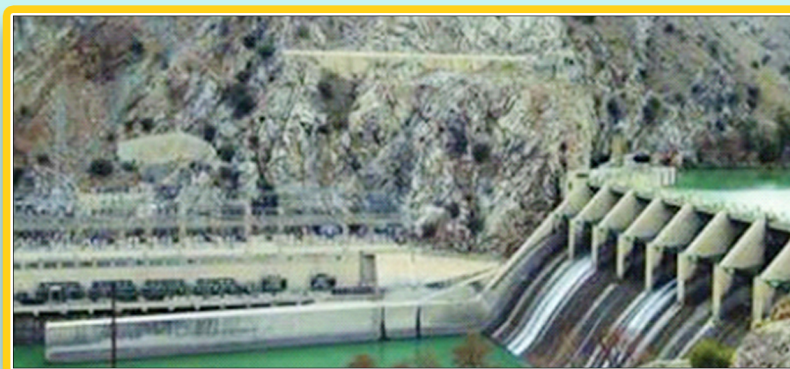
SALIENT FEATURES

DESCRIPTION

- ✓ Dam Height
- ✓ Length of tunnel
- ✓ Installed Capacity
- ✓ Annual Energy
- ✓ Gross Head

VALUES

- ✓ 40.5m
- ✓ 4.873km
- ✓ (65x2) MW
- ✓ 595 GWh
- ✓ 516m



OUR ROLE

Working with Andritz Hydro for Turnkey Solution of Electromechanical Water to Wire solution.

121 MW ALLAI KHWAR HYDROPOWER PROJECT

CLIENT

Pakistan Water and Power Development Authority (WAPDA)

SALIENT FEATURES

DESCRIPTION

- ✓ Dam Height
- ✓ Length of Headrace
- ✓ Installed Capacity
- ✓ Annual Energy
- ✓ Gross Head

VALUES

- ✓ 32.50m
- ✓ 2366m
- ✓ 121MW
- ✓ 463GWh
- ✓ 697m

ELECTROMECHANICAL SUPPLY 84 MW NEW BONG ESCAPE HYDROPOWER PROJECT



OUR ROLE

Extended Turnkey Solutions for Electromechanical Arranged
financing and Equity for project

SALIENT FEATURES

DESCRIPTION

- ✓ Capacity
- ✓ Gross Head
- ✓ Annual Energy
- ✓ Project Cost
- ✓ COD

VALUES

- ✓ 84MW
- ✓ 272m
- ✓ 470GWh
- ✓ 160.8 USD Million
- ✓ 23rd March, 2013

17.3 MW SATPARA HYDROPOWER PROJECT



OUR ROLE

Subcontractor to Andritz Hydro for Turnkey Electromechanical Water to Wire Solution on Unit 3 and Unit 4.

SALIENT FEATURES

DESCRIPTION

- ✓ Location
- ✓ Dam Type
- ✓ Height of Dam
- ✓ Gross Storage Capacity
- ✓ Live Storage Capacity
- ✓ CCA
- ✓ Power Generation

VALUES

- ✓ Satpara Lake near Skardu
- ✓ Earth fill
- ✓ 128ft
- ✓ 0.093 MAF
- ✓ 0.053 MAF
- ✓ 15536 Acres
- ✓ 17.3 MW

ONGOING (EPC) PROJECTS

20/40 MW HANZEL HYDROPOWER PROJECT



OUR ROLE

Partner of CNEEC - FWO JV for Design, Project Management and E&M scope of work.

SCOPE OF WORK

Engineering, Procurement & Construction (EPC)

EMPLOYER

Water & Power Department Gilgit

SALIENT FEATURES

DESCRIPTION

- ✓ Type
- ✓ Turbine Capacity
- ✓ Installed Capacity
- ✓ Net Head
- ✓ Rated Discharge

VALUES

- ✓ Run of River with Francis Units
- ✓ 3x6.875 MW
- ✓ 20 / 40MW
- ✓ 63.79m
- ✓ 12.33m³/s

4 MW THACK CHILAS HYDROPOWER PROJECT



OUR ROLE

Specialized subcontractor for Design, Project Management, and Supply of E&M equipment.

SCOPE OF WORK

Engineering, Procurement & Construction (EPC)

EMPLOYER

Water & Power Department Gilgit

SALIENT FEATURES

DESCRIPTION

- ☒ Type
- ☒ Turbine Capacity
- ☒ Installed Capacity
- ☒ Net Head
- ☒ Rated Discharge

VALUES

- ☒ Run of Nullah with Pelton Units
- ☒ 2 x 2.12MW
- ☒ 4MW
- ☒ 271m
- ☒ 2x0.9m³/s

PROJECT DEVELOPMENT 3.6 MW GUGERA HYDROPOWER PROJECT



SCOPE OF WORK

- Preparation and submission of SOQ
- Supervising Process of LOI
- Selection of Consultant for Feasibility Study
- Arrangement of financing and equity partner
- Preparation and Submission of Generation License and Tariff Petition in NEPRA

SALIENT FEATURES

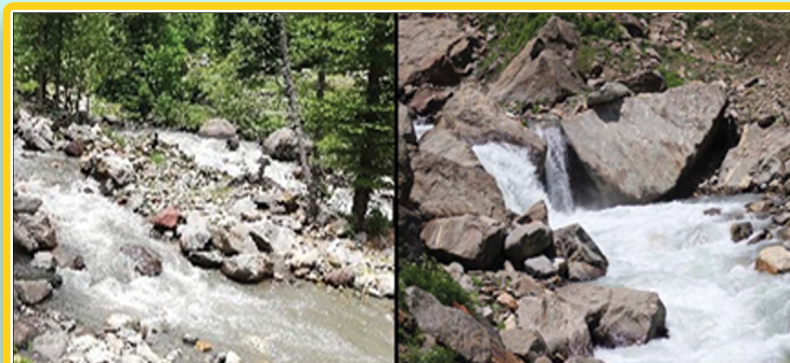
DESCRIPTION

- ✓ Design Discharge
- ✓ Gross Head
- ✓ Design Capacity
- ✓ Mean Annual Energy
- ✓ Plant Factor
- ✓ Turbine Type
- ✓ Power evacuation
- ✓ Project Cost

VALUES

- ✓ 142 m³/s
- ✓ 3m
- ✓ 3.6MW
- ✓ 20.8 GWh/a
- ✓ 67%
- ✓ Horizontal Kaplan
- ✓ Through two 11 kV TLs
- ✓ 20 Million USD

PROJECT DEVELOPMENT 26 MW BHIMBAL KATHA HYDROPOWER PROJECT



SCOPE OF WORK

- Preparation and submission of SOQ
- Supervising Process of LOI
- Selection of Consultant for Feasibility Study
- Arrangement of financing and equity partner
- Preparation and Submission of Generation
- License and Tariff Petition in NEPRA

SALIENT FEATURES

DESCRIPTION

- ✓ Design Discharge
- ✓ Gross Head
- ✓ Design Capacity
- ✓ Mean Annual Energy
- ✓ Plant Factor
- ✓ Type of Turbine

VALUES

- ✓ 8 m³/s
- ✓ 395 m
- ✓ 26 MW
- ✓ 124 GW h/a
- ✓ 54.44 %
- ✓ Pelton 2

CO-ORDINATES

- ✓ Latitude
- ✓ Longitude

- ✓ 34° 51' 10.03"
- ✓ 73° 35' 4.62"

PROJECT DEVELOPMENT 144 MW SHUSHGAI DAM HYDROPOWER PROJECT



OUR ROLE

Development Partner of China National Electric Engineering Company (CNEEC)

SALIENT FEATURES

DESCRIPTION

- ✓ Installed Capacity
- ✓ Plant Factor
- ✓ Turbine Discharge
- ✓ Mean Annual Energy
- ✓ Turbine Type
- ✓ Head

VALUES

- ✓ 144 (48x3) MW
- ✓ 49 %
- ✓ 28 cumics
- ✓ 613.2 GWh
- ✓ Pelton
- ✓ 600 m

137 MW SHOGOSIN HYDROPOWER PROJECT



OUR ROLE

Development Partner of China National Electric Engineering Company (CNEEC)

SALIENT FEATURES

DESCRIPTION

- ✓ Installed Capacity
- ✓ Plant Factor
- ✓ Design Discharge
- ✓ Mean Annual Energy
- ✓ Turbine Type
- ✓ Head

VALUES

- ✓ 137 (46x3) MW
- ✓ 47.5 %
- ✓ 65 cumics
- ✓ 549.1 GWh
- ✓ Francis
- ✓ 233 m

PROJECT DEVELOPMENT SMALL HYDROPOWER SITES ON CAPTIVE MODE



1.28MW PAKPATTAN CANAL



1.55MW BURALA BRANCH CANAL



1.89MW LOWER JHELUM CANAL



1 MW BRBD LINK CANAL



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