PAKISTAN ENGINEERING SERVICES

Engineering Solutions

Since 1973

CORPORATE PROFILE

Over 50 years of experience in providing Engineering Solutions

PES consulting

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CORPORATE GROWTH

The journey began in 1973 when Mr. Akhtar Hasan decided to shape his ideas and experience in the form of a engineering consulting firm. His tireless efforts and utmost commitment resulted into rapid expansion of PES operations across the county. This streak of unwavering devotion was carried on by Mr Jamil Anwer who took the company to another level. During his tenure company not only diversified into multiple engineering sectors but also expanded across borders. We are happy that PES still maintains this rich heritage of providing ingenious engineering solutions without any compromise.

1973

PES Founder

Mr. Akhtar Hasan

Mr. Jamil Anwer

2005

Former Chief Executive

PROJECT TIMELINE

MAJOR PROJECT TIMELINES

1970

TARBELA DAM UNITS (5-8)
Hydroelectric Power Station

4x175 MW
Installed Capacity and extension of 220 kV / 500 kV switch yard Financed under Asian Development Bank Loan.

KOTRI THERMAL
3X25 MW Gas Turbine Power Station

The power station consists of installation of packaged gas turbine uints of 3 x 25MW.

1980

JAMSHORO THERMAL
3X210 MW Oil Fired Thermal Power Station Unit (2,3,4)

The project included setting up of three units of 210 MW at Jamshoro Oil Fired Thermal Power Station.

LAKHRA THERMAL
3X50 MW Fluidized Bed Power Plant

3 Units 0f 50 MW each based on Lakhra Caol with ancillary equipment.

1990

MUZAFFARGHARH THERMAL
3 Oil Fired Steam Turbine units (4,5 & 6)

The project comprises installation of 2 units of 210 MW and 1 unit of 320 MW.

CHASHMA NUCLEAR
Nuclear Power Plant

Chashma Nuclear Power Complex is located near Chashma Colony and Kundian town, Mianwali District, Punjab, Pakistan.

2000

DIAMER BASHA
272-m high concrete gravity dam

Two large underground power schemes each with an installed capacity of 2250 MW

SATPARA DAM
128 ft. high Earth Core Rockfil Dam (ECRD)

The Project also includes 4 powerhouses with total installed capacity of 17.6 MW. An irrigation system with command area of 15,000 acres.

2010

GUDDU THERMAL
747 MW Combined Cycle Power Plant

The project comprises of 2 No. Gas Turbines of 249 MW each with a Steam Turbine of 249 MW capacity. The generation capacity of the project is 747 MW.

DASU HYDROPOWER
4320 MW Dasu Dam Project

The project is designed to cater the power generation of 4320 MW in. On completion Dasu will be one of the largest RCC dams in the World.

2020

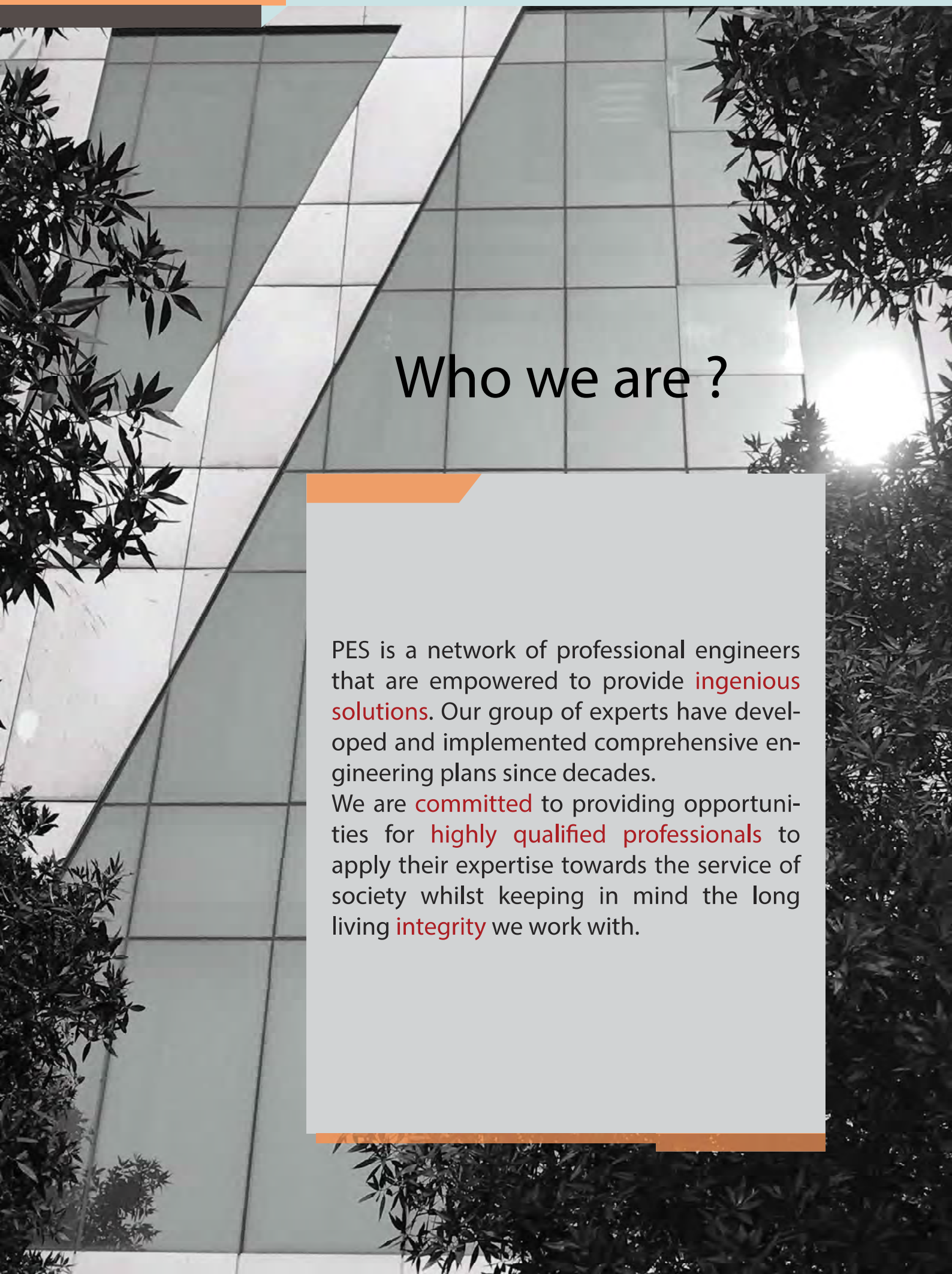
SHAGARTHANG HPP
26 MW Hydropower Plant

It is 26 MW Hydropower Plant consisting of a weir, headrace tunnel and powerhouse. A 25 km 132 kV transmission line for connection with existing 66/11 kV Skardu Grid station is also part of the project.

Establishment of Regional Grids in GB
Regional Grids in Gilgit Baltistan (Phase-1)

Establishment of Regional Grids in GB(Phase-1)
(Engineering Consultancy Services for Detailed field surveys, Detailed design & Drawings, Bid documents, Bids Evaluation, IEE/EIA, Construction Supervision, Testing & Commissioning)

2030



Who we are ?

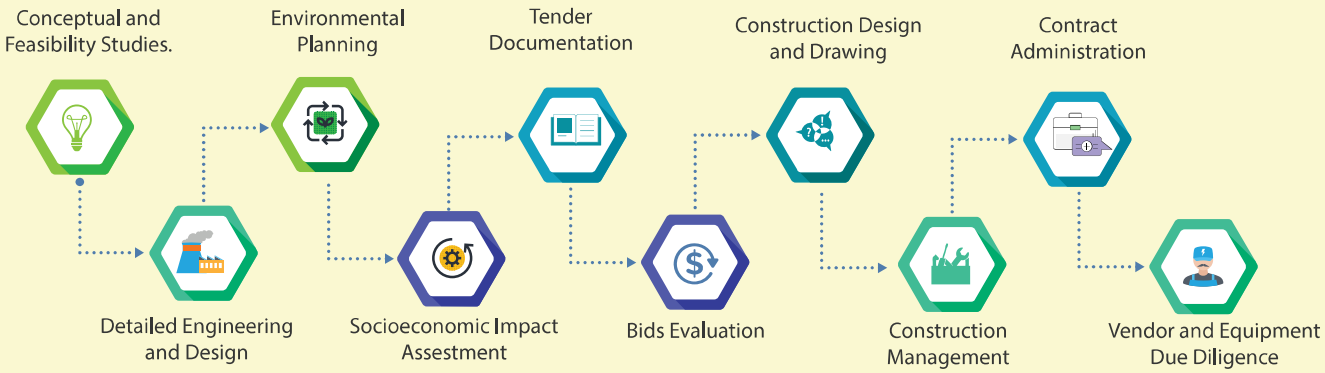
PES is a network of professional engineers that are empowered to provide ingenious solutions. Our group of experts have developed and implemented comprehensive engineering plans since decades.
We are committed to providing opportunities for highly qualified professionals to apply their expertise towards the service of society whilst keeping in mind the long living integrity we work with.

CORE SECTORS & ACTIVITIES

HYDROPOWER | WATER RESOURCES | THERMAL POWER | ELECTRICAL T&D | ENVIRONMENT | ROADS & BRIDGES | BUILDING DESIGN

Core Activities

Conceptual and Feasibility Studies.
Detailed Design and Engineering.
Tender Documentation and Bid Evaluation.
Design Review and Shop Drawings.
Construction Management and Supervision.
Vendor and Equipment Evaluation.
Rapid Assessment and Due Diligence.
Testing and Commissioning.
Technical Audits / Performance Testing of Plants.
Environmental and Social Impact Assessment.



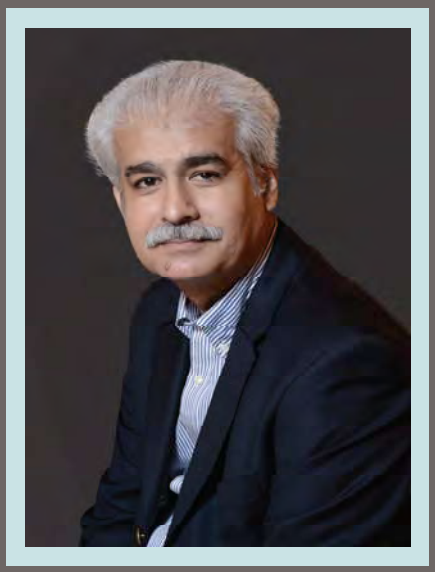
Sohail Anwer Hasan

Chief Executive

He has an experience of more than 35 years as practicing professional engineer in geotechnical investigations, pre-feasibility, feasibility, detailed design studies and preparation of tender documents for embankment dams, hydro & thermal power and irrigation projects. He specializes in underground / rock engineering, design, and analysis of works for hydro-power, irrigation and multi- purpose Projects.

Haseeb Anwer

Chief Financial Officer



He has considerable experience of above 25 years in Accounts / Administration. He worked with Siemens Pakistan Engineering Company Limited, Lahore as Manager Business Administration in Transformer Sales Department, Lahore. He looked after the government/semi government/private clients such as WAPDA / distribution companies (DISCOS) / Pakistan Railways/ CPC Rafhan / Packages Limited / Nestle Milkpak / ICI Pakistan / Coca Cola / Millat Tractors / Nishat Group / Lahore University of Management Sciences (LUMS) / several other industries.

Asfand Yar Khan

Director (KPK)

Engr. Asfandyar Ali Khan has been associated with PES for over 23 years and has acquired extensive professional experience as a Geotechnical Engineer on more than 55 projects of diverse nature. He is well versed in the design and site related challenges of water resources and road infrastructure projects. He has also served as a member of the Panel of Experts for the Government of Khyber Pakhtunkhwa, providing expert advisory services on its behalf. He holds the distinction of being the first engineer to be awarded IntPE (Pak) in the field of Geotechnical Engineering by the Pakistan Engineering Council (PEC).

Sohail Kibria

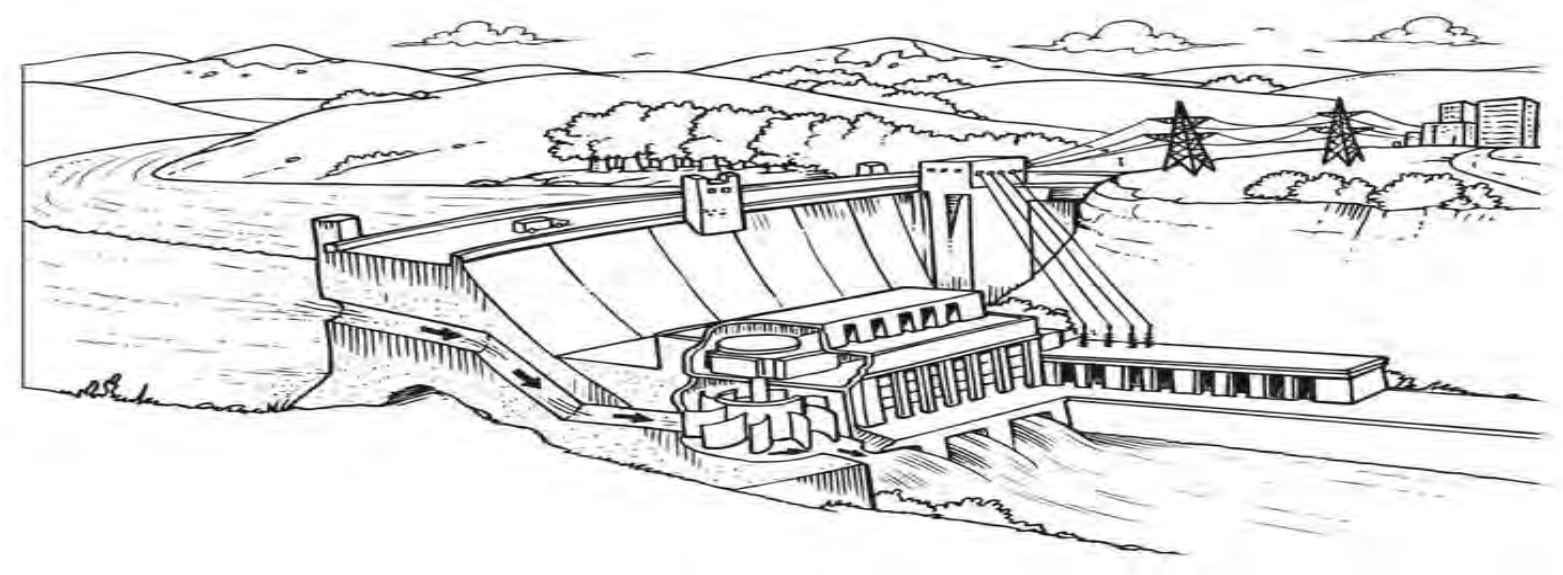
Director Techincal & Quality Control

Mr. Sohail Kibria, Director Technical & Quality Control at Pakistan Engineering Services (PES) hails from a rich background in geotechnical engineering with over 42 years of experience in design, management, reasearch and training / teaching. He has around 80 research publications to his credit. He is an avid speaker at national and international fora of engineers. He possesses specialized experience in training and quality control. He possesses a Master degree in civil engineering from UET, Lahore and a handful of diplomas from PIM & LUMS. He has been serving as a faculty of UET, Lahore and FAST-NUCES, Lahore. He has also served as Vice President of NESPAK and also as Head R & D there. He has handled a plethora of projects ranging from motorways, buildings, thermal / hydro / nuclear power plants to dams, irrigation works,

REFERENCES

Hydro Power Plants

Featured projects



DASU HPP 4600 MW

Description

The Dasu HPP is designed to cater the power generation of 4320 MW. Dasu will be one of the largest RCC dams in the World upon its completion and will be the 15th highest dam in the world.

Client

Pakistan Water & Power Development Authority

Cost

Project Cost USD 4.278 billion

Consultancy Cost

Services

- Detail engineering design & Tender Document .
- Environmental & Social Studies
- Economic & Financial Analysis
- Project and Financial Management support
- Construction Supervision.
- Preparation of pre-qualification. Document and the evaluation of EOI application.
- Support to the client during tendering and evaluation of bids for stage-2.

PATRIND HPP 147 MW

Description

Patrind HPP was designed to exploit the level difference of around 100m between Kunhar and Jhelum rivers under Lohar Gali, near Muzaffarabad. The project comprises of construction of a 29m high RCC weir on Kunhar river to divert 153 cumecs water to Jhelum river via a 7.5m diameter tunnel.

Client

Star Hydro Power Ltd.

Cost

Project Cost USD 297 million

Consultancy Cost USD 3.15 million

Services

Phase-1

- Pre-design review activities which includes review of EPC proposals, assistance to client in finalization of EPC contract, preparation of tariff proposal & negotiation for NTDC/NEPRA.
- Review of design and documentation which includes review and approval of civil works, monitoring of tests and investigations.

Phase-2

- Review and approval of contractor's design / drawings.
- Quality assurance program Health, safety and Environmental Management Plan.
- Construction supervision / monitoring of civil works.
- Construction supervision / monitoring of hydro-mechanical, electrical equipment's installation.

GOLEN GOL HPP 106 MW

Description

The Golen Gol HPP is designed to generate 106 MW and consists of three units. Main components of the project are a diversion weir, gravel / sand traps, intake, tunnel, surge chamber and surface powerhouse and over 200 km long 132 kV transmission line.

Client

Pakistan Water & Power Development Authority

Cost

Project Cost PKR 16 billion

Consultancy Cost PKR 185.5 million

Services

- Review of detailed design for civil works.
- Review of previous reports / data, surveys and investigations.
- Propose changes in the design and additional surveys and investigations.
- Prepare construction design / drawings.
- Preparation of EIA.
- Review of design specifications of hydro-mechanical equipment, electrical and mechanical works, construction supervision and contract management.

Rehabilitation of 20 MW Dargai Hydroelectric Power Station

Description

Dargai Power station was constructed in 1952 by leading the available water from the tailrace of Jabban HEPS to 7 km long Dargai Power Channel. The combined flow of excess water from the outlet of Benton Tunnel, discharge from the outlet of Jabban HEPS Generating Units and siphon spillway of Jabban HEPS. Dargai HEPS consists of a Forebay with a siphon spillway, silt extruders, four surface Penstocks with a total capacity of 34 m3/sec. Dargai Power Station is connected to Dargai Grid through single circuit 132 kV Transmission Line. Being in operation for last 70 years the power plant and its components have deteriorated due to wear & tear causing reduction in turbine efficiency and capacity of the plant to 18 MW from 20 MW). In order to reinstate this source of cheap, clean and green energy and make it fuctional for at least another 50 years, Water and Power Development Authority of Pakistan (WAPDA), with the financial support of the French Development Agency (AFD) has initiated this project for Rehabilitation of Dargai Hydroelectric Power Station in Malakand District of Pakistan

Client

WAPDA

Cost

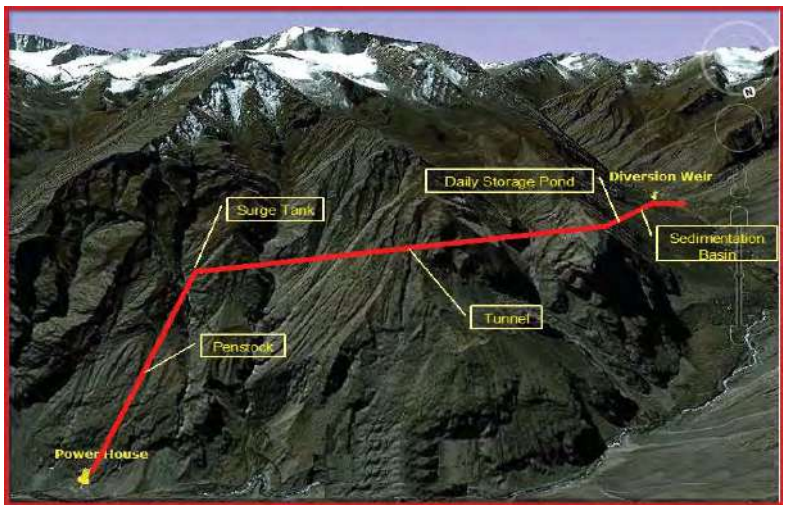
Project Cost PKR 3.88 Billion

Consultancy Cost PKR 184.6 million

Services

- Review of Feasibility Study, Preparation of Detailed Design, Tender Documents, Bidding and Contracting
- Works phase (Construction Supervision)
- Services during Defect Liability Period including closing of Project

26 MW HPP Shagharthang, Skardu, Gilgit Baltistan



Description

The project is designed to cater the power demand in Skardu. It is 26 MW Hydropower Plant consisting of a weir, headrace tunnel and powerhouse. A 25 km 132 kV transmission line for connection with existing 66/11 kV Skardu Grid station is also part of the project.

Client

Water & Power Department, Gilgit Baltistan

Cost

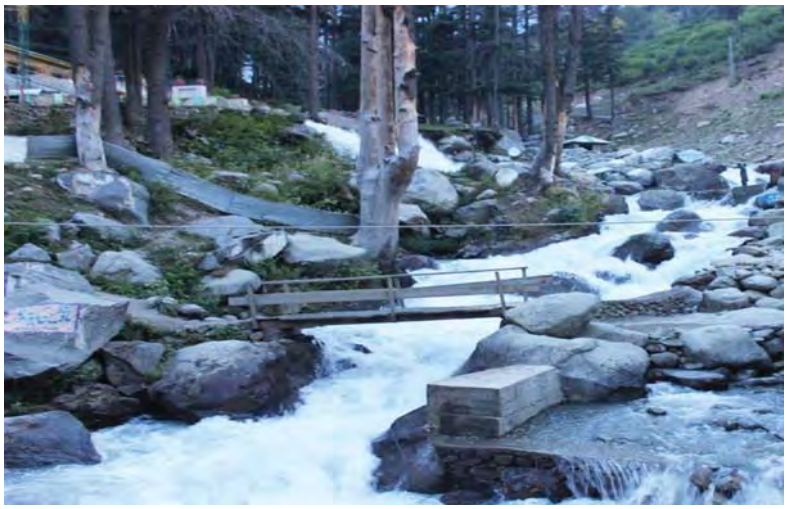
Project Cost PKR 8.616 Billion

Consultancy Cost PKR 190.0 million

Services

- Preparation of Bidding Documents
- Evaluation of bid
- Review of Design / Drawings and Construction Supervision
- Detailed design and supervision of civil works
  design and supply and installation of mechanical / electrical equipment, monitoring, financial and economic review
- Social and environmental aspects of the project and to coordinate and manage for timely and successful completion of entire project to achieve the requisite objectives.

ACCESS TO CLEAN ENERGY



Description

Access to clean energy is a challenging program to facilitate the access to electricity to remote villages and other off grid installations by means of the use of mini / micro hydro power stations. This program will provide electricity from clean sources to inhabitants that currently do not or have limited access to electricity, facilitate a better education to pupils by means of facilitating access to tution after day time and also access to computerized education and extended and upgraded medical assistance in villages.

Client

Pakhtunkhwa Energy Development Organization (PEDO)

Cost

Project Cost PKR 8,495 Million

Consultancy Cost PKR 233 million

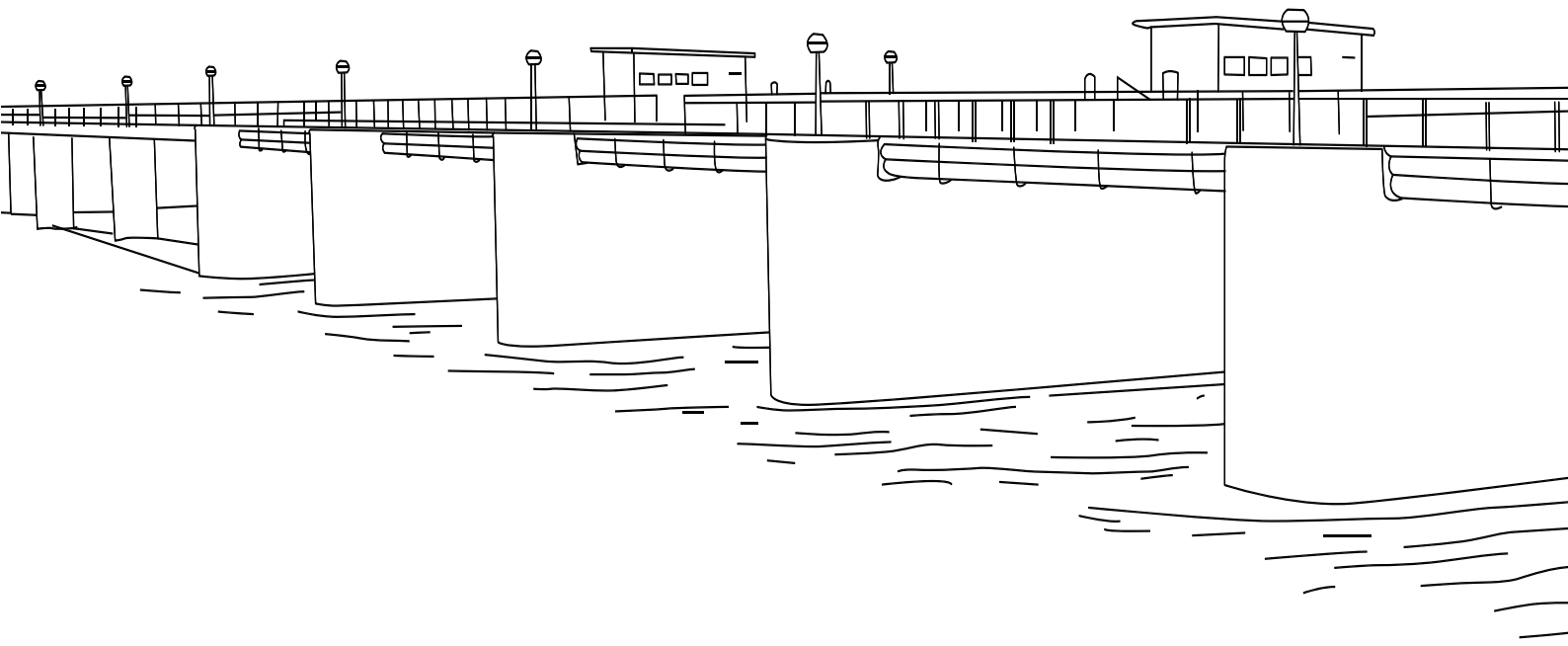
Services

- Review and approval of Survey / identification & Feasibility Studies NTDC/NEPRA.
- Procurement of contractor & NGO, Preparation and evaluation of bidding documents.
- Contract Management
- Monitoring & Evaluation System
- Construction Supervision
- Testing & Commissioning Determination & Implementation of Tariff
- Initial Environmental Examination (IEE)
- Climate Change Report
- Centralized Internet Based M&E System
- Risk Management Plan Develop and Implement Health and Safety Plan
- Develop and Adopt Grievance Redress Mechanism (GRM

REFERENCES

Dams and Water Resources

Featured projects



SATPARA MULTI PURPOSE DAM

Description

The Satpara MP Dam comprised the construction of a 128 ft. high ECRD. The dam is constructed in an area of morainic deposits with rock only present on one of the abutment. The project includes 4 powerhouses with capacity of 17.6 MW.

Client

Pakistan Water & Power Development Authority

Cost

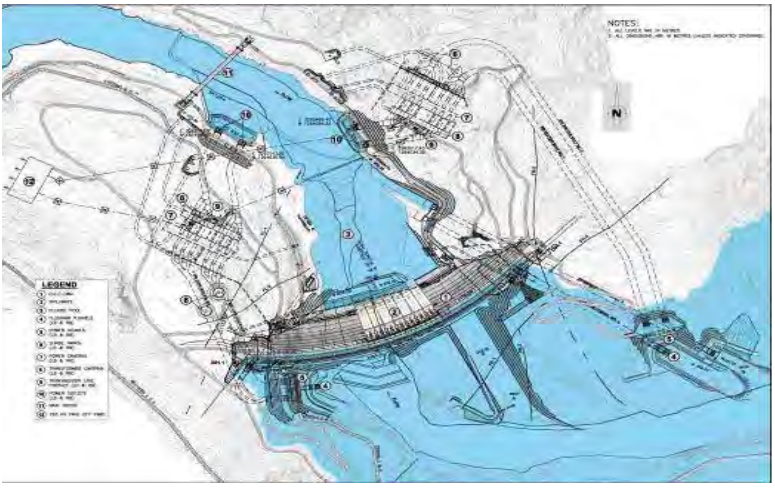
Project Cost USD 4.278 billion

Consultancy Cost USD 67.38 million

Services

- Complete design review & Preparation of construction drawings for all the project components.
- Contract Administration & Construction Supervision.
- Monitoring of installation of all electrical and mechanical equipment.
- Commissioning of the dam & assistance in operation.

DIAMER BHASHA DAM



Description

Diamer Bhasha Dam is 272m high RCC dam which would have gross storage of 8.1 MAF and produce 19208 GWhr/year.

Client

Pakistan Water & Power Development Authority

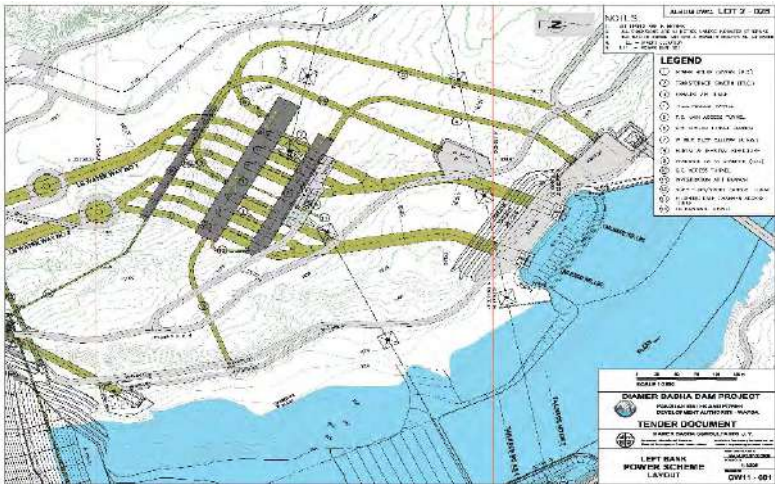
Cost

Project Cost PKR 900 billion

Consultancy Cost PKR 9 billion

Services

- Resettlement Studies and preparation of Resettlement Action-Plan
- Tender Drawings & Technical Specifications
- Tender Documents for construction of Dam, Powerhouses,
- Tunnels, Hydraulic Steel Structures, Electrical & Mechanical Works
- Review of Feasibility Studies and other previous studies
- Detailed Engineering Design and preparation of Drawings
- Environmental and Social Impact
- Assessment Studies and preparation of Environment and Social Impact Studies



PASHDAN MULTIPURPOSE PROJECT

Description

Pashdan Multipurpose Project is located in north east of Herat in Karokh district of Afghanistan. It is about 18 km away from Karukh Governor's Office in Herat city. The Herat-Maymana Highways after surrounding the proposed reservoir area passes along the right bank in the vicinity of dam and weir

Client

HEWADWAL – AZETQ JV, Afghanistan

Cost

Project Cost USD115 million

Consultancy Cost PKR 130 million

Services

- Review the Project Layout and various components of works and finalize the detailed layouts and broad parameters for the various components of works. To advice on further detailed topographical surveys and field investigation works to be carried out, tests to be carried out on foundation material, cores etc. Model Studies, Hydrology and other data to be collected and carrying out of further Studies as may be needed; study and analysis of the data obtained for purposes of final design of the Project component of works. The scope includes submission of Project Planning and Construction methodology. Detailed Design Engineering will consist of preparation of detailed designs and drawings in respect of civil Engineering works, designs parameter and general layout drawings for Hydro-Mechanical and electromechanical works and drawings up of specification for individual items of works as envisaged for implementation of Pashdan Multipurpose Dam Project

KABUL WEIR

Description

Detailed Design and Construction Supervision of Diversion Weir of Kabul Weir Canal district Peshawar

Client

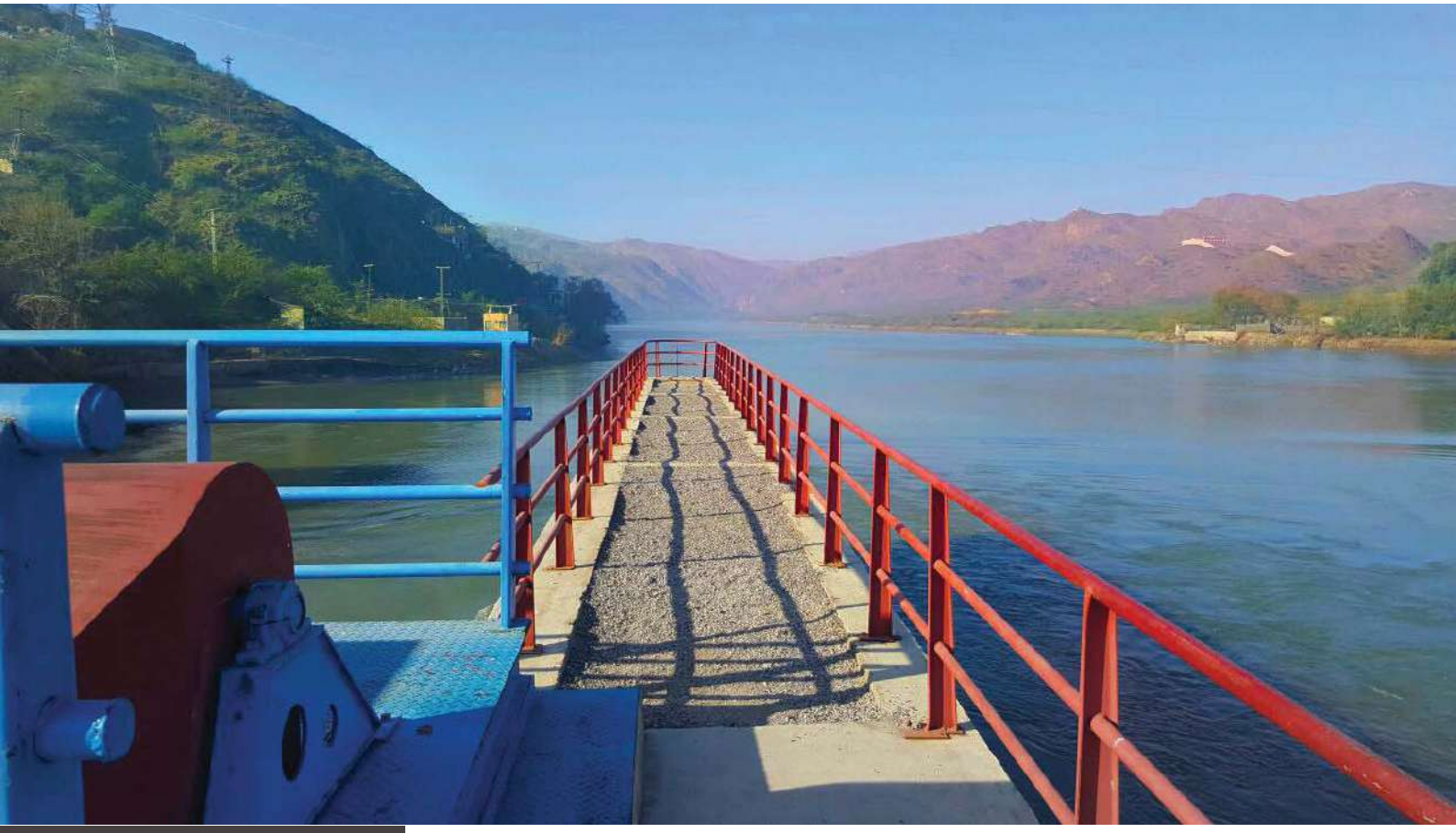
Peshawar Canal Division, irrigation Department Warsak Road Peshawar

Cost

Project Cost PKR 966.759 million Consultancy Cost PKR 43.637million

Services

- PES was responsible for all office and field activities of the project which includes planning of investigation work including topographic surveys, hydrological studies, geotechnical investigations, hydraulic and structural design, and design of Diversion Weir. PES was responsible for Engineering survey and investigation, Detailed design, Preparation of tender document, Environmental impact assessment and additional studies, Consultation with beneficiaries and Construction Supervision and Management of the Project.



Garuk Storage Dam

Description

Garuk Dam is a proposed dam located on Garuk River, 47 kms south east of Kharan District in Baluchistan. The Dam is an Earth Core Rock Filled Dam with a height of 184 ft. The reservoir when completed will irrigate a command area of 12,500 acres. The purpose of the Dam is to provide water to the command area (CCA) located on eithe side of Garuk River.

Client

Irrigation Department Government of Baluchistan

Cost

Project Cost PKR 24.569 Billion

Consultancy Cost PKR 278.9 million

Services

- Additional Topographic survey
  Geotechnical Investigations
  Agriculture studies
- Environmental impact study and resettlement action plan
- Detailed engineering design and shop drawings
- Review of design documents and construction drawings
- Supervision of the works as per the submitted drawings and site specific situations.

MAIN DAM

MAIN DAM/BLANKET

SPILLWAY

SITE CAMP

Bolan Dam

Description

The dam site is situated at a distance of about 37 km South West of Dhadar in the Sanni Sub Tehsil. The total catchment area of the dam at the proposed location is about 2060 square miles (5340 square kms). The Project envisages supply of irrigation water from the dam to a command area of about 34,000 acres of fertile culture-able land at a cropping intensity of 50%.

The Government of Baluchistan has decided to re construct the dam for the attainment of the following objectives.

- Supply of Irrigation water to fulfill the irrigation water requirements of 34,000 acres of the command area.
- Resettlement of the population, which has left the area after the collapse of the dam.
- Improving the socio economic condition of the population in the Project area.

Client

Irrigation Division At Dhadar. Baluchistan

Cost

Project Cost PKR 1,413 million

Consultancy Cost PKR 49.685 million

Services

- Detail Design:
  - Collection And Study Of Existing Data
  - Topographic And Alignment Surveys
  - Hydrological And Water Quality Studies
  - Geological, Geotechnical And Seismological Investigation
  - The Environmental Assessment
  - The Social Assessment, Resettlement Action Plan And Valuation Report
- Construction Supervision:
  - Approval of the contractor program including Quality Assurance Plan and Approval of all equipment's.
  - Approval of shop Drawings in accordance with approved designs and other provisions
  - Set out, provide base line surveys with benchmarks, and establish survey control for construction.

Construction of Small and Medium Dams in Baluchistan.

Description

PES is conducting a comprehensive analysis of available surface and flood-water resources within the 18 major basins of Pakistan's largest Province. The Project involves the evaluation of existing storage and irrigation projects and pre-feasibility and feasibility studies for new resources. PES will also be

Client

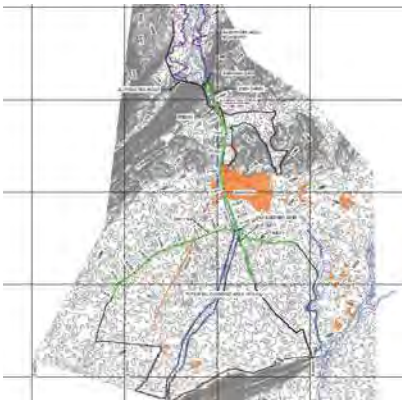
Irrigation Department, Government of Baluchistan.

Cost

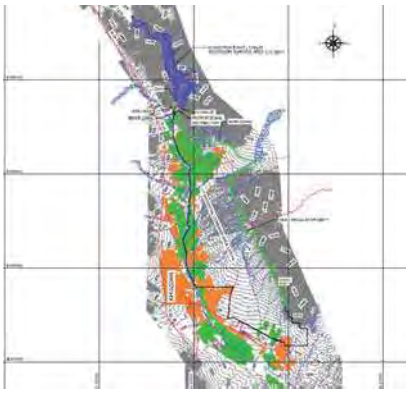
Project Cost	PKR 120 billion	Consultancy Cost	PKR 269 million

Services

- Feasibility study and detailed design and construction supervision of the project.
- Detailed geotechnical investigations, detailed hydrological studies and structural design.
- Design of intake outlet structure, detailed soil survey of the command area, distribution of soil classes and preparation of soil capability map, Agriculture studies and environmental impact assessment.

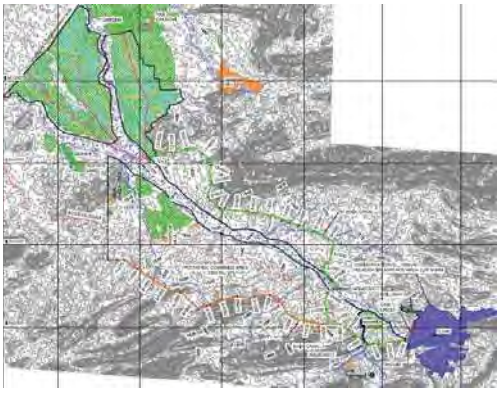


Barkhan Dam



Sunnigar Dam

Panjpai Dam



Ghazlai Dam

NAULONG DAM

Description

Project Planning Report & Detailed Engineering Design and Tender Documents of Naulong Dam Project.
Engineering Services for Construction Supervision and Contract Administration of Naulong Dam Project.

Client

General Manager (Projects) South, WAPDA , Hyderabad, Pakistan.

Cost

Project Cost US$ 200 M

Consultancy Cost PKR 338 million

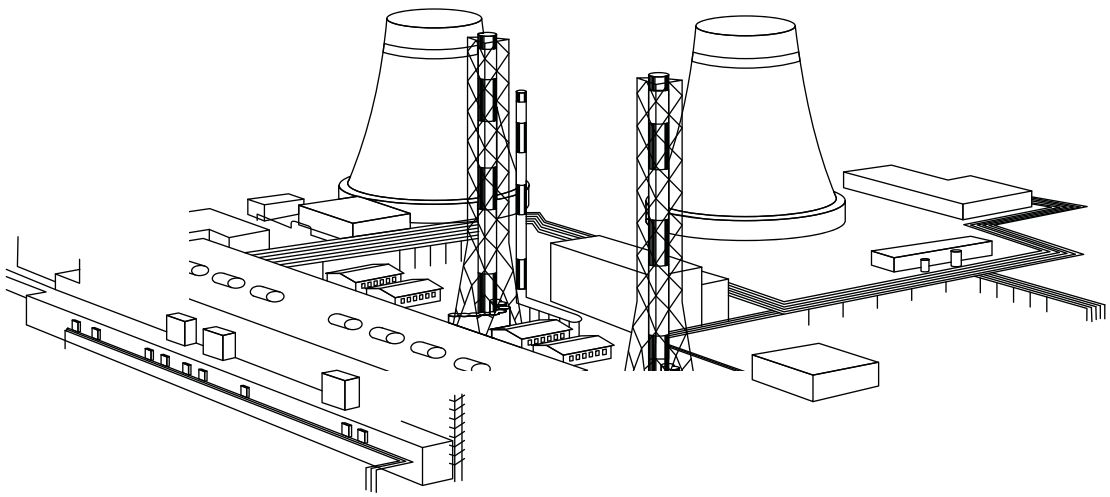
Services

- PES was responsible for all office and field activities of the project which includes planning of investigation work including topographic surveys, hydrological studies, geotechnical investigations, hydraulic and structural design, and design of Diversion Weir. PES was responsible for Engineering survey and investigation, Detailed design, Preparation of tender document, Environmental impact assessment and additional studies, Consultation with beneficiaries and Construction Supervision and Management of the Project.

REFERENCES

Thermal Power

Featured projects



GUDDU 747 MW (CCP PLANT)

Description

Guddu 747 MW Combined Cycle Power Plant consists of 2 x 243 MW Gas Turbines (GE/PG 9351) and 1x 261 MW Steam Turbine (Harbin Turbine Company China).
The expected life of the power plant from commercial operation is 30 years approximately.

Client

Pakistan Water & Power Development Authority

Cost

Project Cost USD 600 million **Consultancy Cost** USD 0.35 million

Services

- Review and approve detailed schedule of Engineering, Procurement,
- Direct EPC-Contractor for the mobilization and start of construction activities at site on the date provided in EPC-Contract/construction schedule,
- Supervise entire construction works of the project, Ensure that the construction works and their quality are according to the approved drawings and applicable standards, testing, reliability trial run, test, commissioning and performance testing.

LAKHARA 3 x 50 MW TPP

Description

3 x 50 MW Coal Fired Thermal Power Plant was developed by WAPDA. The project is located at Lakhara Distt. Jamshoro.

Client

Pakistan Water & Power Development Authority

Cost

Project Cost -

Consultancy Cost USD 2.8 million

Services

- Review and approve detailed schedule of Engineering, Procurement, Construction and Commissioning Works.
- Direct EPC-Contractor for construction activities at site
- Supervise entire construction works of the project.
- Testing, reliability trial run, testing & commissioning and performance testing.
- Ensure that the construction works and their quality are according to the approved drawings and applicable standards.

JAMSHORO 3 x 210 MW TPP

Description

The project included setting up of three units of 210 MW at Jamshoro Oil Fired Thermal Power Station. The main component of the project are steam turbines, boilers, generators, cooling towers, 220 kV and 132 kV cables, computer system, electrical equipment etc.

Client

Pakistan Water & Power Development Authority

Cost

Project Cost -

Consultancy Cost USD 1.23 million

Services

- Review of design and drawings.
- Supervision of erection/construction work at site.
- Testing and Commissioning of the project.

150 MW Thermal Power Plant at Bhola Bangladesh

Description

150 MW thermal power project at Bhola, Bangladesh. Bhola is a southern district of Bangladesh. This is an island surrounded by two mighty rivers Meghna on the east, Tetulia on the north and west and Bay of Bengal (Sea) on the east.

Client

Bangladesh Power Development Board

Cost

Project Cost -

Consultancy Cost PKR 10.65 million

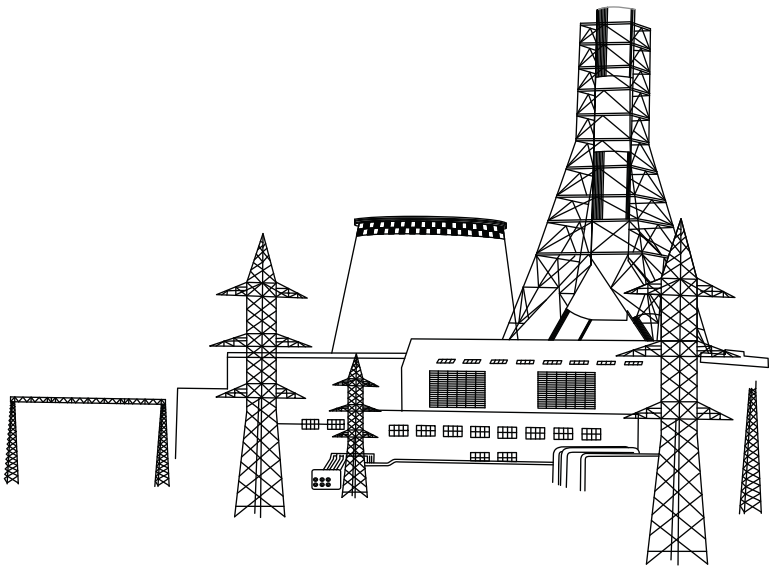
Services

- Consultants were responsible for Feasibility Study including final selection of project location, collection of meteorological data, topographic survey, geotechnical investigations, assessment of type of foundation and superstructure,
- water quality assessment, plant sizing and configuration, Load flow study, cost estimates, economic & financial analysis, development of reference Tariff and environmental Impact Assessment studies.

REFERENCES

Electrical Transmission & Distribution

Featured projects



ELECTRICAL POWER

Technical Advisory Services for the Privatization of Faisalabad Electric Supply Company (FESCO)

Description

The Privatization Commission of Pakistan (PC) initiated the process for privatization of FESCO Pakistan. FESCO Distributes and supplies electricity to about 4.01 million customers within its territory with a population over 26 million. FESCO has total 4 Operational Circles with 21 Operation Divisions which consist of 115 sub divisions in the region. The details are given as under, FESCO Lines. (1) 25,436KM lines of 400/230V, (2) 37,644KM lines of 11kv, (3) 1,292KM Lines of 66KV, (4) 1,705KM lines of 132KV. (5) FESCO Grid Stations: (1) FESCO consist of 122 grid stations having 160 installed transformers with total installed capacity of 3,159 MVA.

Client

United Bank Limited, United Bank Limited (UBL),

Cost

Project Cost

Consultancy Cost USD 0.07 million

Services

Phase-1: The services provided is the preparation of Initial Assessment Report based on the data collected / site visits of FESCO installations and Equipment to provide on overall assessment of present condition of FESCO System. The review of data also included the current state of assets and infrastructure and investigation of a wide variety of installations and equipment that are being used for power supply. Also included the preparation of inventory list based on analysis / review and appraisal of the existing inventory registers of the company's distribution equipment.

Phase-2: Preparation of tender documents, tendering support for implementation of privatization plan

Nigerian Transmission Expansion Project (NTEP)

Description

The Project includes 205km double circuit 330 KV QUAD conductor transmission line with Turn In-Out at New Zaria substation, Reconstruction of existing 330kV Delta-Benin 107km single circuit Twin conductor transmission line to double circuit QUAD conductor, with additional 1 x 330kV line bay extension each at the existing Delta (Ughelli) and Benin (Main) substations Reconstruction of existing 330kV Alaoj-Ihiala-Onitsha 138km single circuit conductor transmission line to double circuit QUAD conductor, with additional 1 x 330kV line bay extension each at the existing Alaoji and Onitsha substations with Turn In-Out at Ihiala substation.

Client

Transmission Company of Nigeria (TCN)

Cost

Project Cost USD 200 million **Consultancy Cost** USD 0.27 million

Services

Review and update the available data, feasibility studies current system configuration
GIS to optimize and fix the line route corridors, GIS to fine-tune the line routes, cost estimate, financial and economic analysis.
Review, update and complete all preliminary line routes and substations survey to be rendered in a suitable GIS file format.
High resolution satellite imaginary
Optimize the line route
Review and update project cost, update the electronic version of the economic and financial analysis
Preparation of preliminary engineering and determination of specification for equipment and work in line with TCN standards
Preparation of preliminary plan and profile drawings for the transmission lines and substations.
Develop detailed risk profile matrix and mitigation plan

Power Transmission Infrastructure Expansion Projects (Northern Corridor)

Description

The project is called "Northern Corridor" Transmission expansion project. Feasibility Study which is including three new 330KV Transmission Lines, four new 330/132 KV substation, Three new 132/33 KV substations and the reconstruction of a 330 single line circuit line into a Quad conductor carrying Transmission Line.

Client

Transmission Company of Nigeria (TCN)

Cost

Project Cost USD 632 million

Consultancy Cost USD 0.30 million

Services

Review and update the available data, feasibility studies current system configuration

Review of the regional master plan and system analysis leading to the identification of priority reinforcement.

Review, update and complete preliminary lines routes and substations survey to be rendered in a suitable GIS file format.

Carry out solar power generation studies which will highlight the redundancy requirements and frequency resonance issues.

Purchase of up to date google map covering the scope of the project.

Review and update project cost, economics and Financial Analysis.

Preparation of preliminary Engineering and determination of specifications for equipment and works.

Preparation of Bidding documents for all lines and all substations eligible to AFD and EU funding.

Incorporation of the report of the environmental and social impact assessment.

Abuja Transmission Ring Project

Description

The project consists of the construction of 330kv line from Lafia to Abuja (Pigba) and a 132kV line loop around Abuja, connecting five new substations and one existing substation. The new substations are to be located at Kuje, West Mains, Pigba, Lokogoma and Dawaki. These will then be connected to the existing Apo substation (Old Apo). The Transmission ring Abuja consist of a total land take for the right of way (ROW) of 974.5 ha and total length of 231km (330KV and 220KV).

Client

Transmission Company of Nigeria (TCN)

Cost

Project Cost USD 170 million

Consultancy Cost USD 0.96 million

Services

Assist in the contracts' administration and ensure the construction supervision during project execution.

Participate in the Factory Audit, Inspections and Acceptance Tests as part of the Quality Assurance process for the Project.

Participate in the commissioning as well as facilitate the smooth takeover of the Projects and ensure that the appropriate warranties for construction, maintenance and operation are in place

Monitor the implementation and adherence to the Environmental Management Systems and Plan for the project.

Site supervision

Establishment of Regional Grids in Gilgit Baltistan (Phase-1)

Description

Establishment of Regional Grids in Gilgit Baltistan (Phase-1) (Engineering Consultancy Services for Detailed field surveys, Detailed design & Drawings, Bid documents, Bids Evaluation, IEE/EIA, Construction Supervision, Testing & Commissioning)

Client

(Project Director) Establishment of Regional Grids Gilgit-Baltistan(Phase-1) Near KIU Water & Power Complex Gilgit

Cost

Project Cost PKR 5 Billion

Consultancy Cost PKR 83.866 million

Services

- Phase A:-
  - A.1. Preparation of Engineering Design
  - A.2: Preparation of Tender Documents
  - A.3: Tendering and Contracting
- Phase-B:-
  - B.1: Design Review
  - B.2: Contracts Management
  - B.3: Construction Supervision

ELECTRICAL WORKS

HESCO 6TH STG Grid Station

Description

Development of eight new 132 / 66 kV transmission lines with a development of proposed for a length of 117.24km spread all over Sindh. Four new 132 / 66 kV Grid Stations in various locations of Sindh Province. One Grid Station is extended. Augmentation of Four Grid stations and conversion in Four Grid Stations.

Client

Hyderabad Electric Supply Company

Cost

Project Cost USD 45 million

Consultancy Cost USD 0.46million

Services

- Review and approve detailed schedule of Engineering, Procurement, Construction and Commissioning Works.
- Direct EPC-Contractor for construction activities at site
- Supervise entire construction works of the project.
- Testing, reliability trial run, testing & commissioning and performance testing.
- Ensure that the construction works and their quality are according to the approved drawings and applicable standards.

ELECTRICAL WORKS

Sapele 330 kV Switch Yard

Description

Project Consultancy Services for Transmission Lines & Sub-stations for the Rehabilitation and Extension of Sapele Power Station 330kV Switch yard Lot 27, Nigeria.

Client

Niger Delta Power Holding Company

Cost

Project Cost USD 50 million

Consultancy Cost USD 0.52million

Services

- Approval of detailed engineering design. Verification of drawings, charts and calculations provided by the contractor. Test and receipt of plant/equipment (transformer, circuit-breaker relay cubicles, switchgear, etc).
- Verify conformity of equipment provided. Monitor and supervision of installation works.
- Verify quantities and works performed.
- Update and amend the overall Construction Designs, if necessary.
- Assist the Employer in any issues relating to contract, especially compliance with the concerned LOT.

BUTKHAK SUBSTATION

Description

Consultancy Services for Project Close-Out for 110/20kV But Khak Substation, Grid Stations, Distribution Rehabilitation, Distribution Enhancement and supply of MV/LV Distribution system, Kabul, Afghanistan.

Client

Ministry of Energy and Water (MEW), Kabul, Afghanistan

Cost

Project Cost - USD 83 million

Consultancy Cost USD 0.44million

Services

- Certify contractual compliance of payment requests submitted for all services contracts and for goods / works contracts. Review as-built installations and compare them with original designs to ensure all aspects are fully implemented as stipulated. Final on-site inspection and measurement. Prepare Completion Certificates.
- Review time extension request and calculate liquidated damages, if any. Prepare lessons learnt report. Prepare final Close-Out report. Return Performance Guarantees bonds, if any. Cancellation of Letter of Credit (L/C). Facilitate the handover of all the plant and equipment from MEW to DABS.

REFERENCES

Building Design

Featured projects

Gold crest High Rise Apartments

Description

Gold crest is a mega project comprising of 4400 residential apartments accommodated in 17 nos. of high-rise tower buildings (20-36 storied) and some low-rise (10 storied) on a plot of land measuring 32 acres located in Defense Housing Authority (DHA), Islamabad. The project has been financed jointly by two large business conglomerates, Al-Mayzood Giga of Pakistan and Al-Ghurair

Client

Al-Ghurair Giga

Cost

Project Cost USD 800 million

Consultancy Cost PKR 31.0 million

Services

- Carried out MEP design for all buildings including preparation of construction drawings
- Responsible for preparation of conceptual design for conversion of existing IESCO's overhead 132 kV Transmission Line to underground cable
- Review and analysis of all field, site & laboratory investigations data and design of foundations.

Construction Management / Supervision of all the Civil, Electrical and Mechanical works

11-Storey Car Parking Plaza

Description

Detailed Design, Tender Documentation and construction supervision of 11-storeyed car parking and commercial Plaza, D-Point, Shahlami, Lahore.

Client

Lahore Development Authority, LDA

Cost

Project Cost USD 30 million

Consultancy Cost US$ 0.065 Million

Services

- Detailed design, Preparation of Tender Documents, Evaluation of Bids & recommendation for award, and Construction Supervision.
- The design included architectural design, structural design and MEP design.

Haveli Dhiyan Singh II & III Fatima Jinnah Girls College

Description

Detailed Design, Preparation of Tender Documents and Construction Supervision of Rehabilitation / Construction of Haveli Dhayan Singh I & II for Fatima Jinnah Girls College, Choona Mandi Lahore.

Client

Lahore Development Authority, LDA.

Cost

Project Cost USD 25 million

Consultancy Cost PKR 2.5 Million

Services

- Detailed design, Preparation of Tender Documents, Evaluation of Bids & recommendation for award, and Construction Supervision. The design included architectural design, structural design and MEP design. The structures include Principal's residence, Squash courts, Badminton courts, Gymnasium, Auditorium and Cafeteria / Common Room.

Divisional Public School , Girls Branch, Lahore

Description

Planning, Detailed Design, Preparation of Tender Documents and Construction Supervision of Girl's Branch of Divisional Public School, Model Town Lahore.

Client

Divisional Public School, Lahore

Cost

Project Cost — Consultancy Cost Rs. 1.1 million

Services

- Detailed design, Preparation of Tender Documents, Evaluation of Bids & recommendation for award, and Construction Supervision. The design included architectural design, structural design and MEP design. The Structures included Girl's junior and senior sections, Multipurpose Hall, Canteen, Play Grounds and Infrastructure facilities. Girl's school building consists of 20 class rooms for 700 students, science laboratories, administrative and allied facilities including a multipurpose hall for 400 students

Board of Intermediate and Secondary Education, Faisalabad

Description

Detailed design, Tender Documentation and Construction Supervision of Board of Intermediate and Secondary Complex building, Faisalabad.

Client

Board of Intermediate and & Secondary Education, Faisalabad, Pakistan

Cost

Project Cost

Consultancy Cost Rs.1.5 million

Services

- Master Planning, Detailed design, Preparation of Tender Documents, Evaluation of Bids & recommendation for award, and Construction Supervision. The design included
- architectural design, structural design and MEP design.

REFERENCES

ROADS & BRIDGES

Featured projects

Khadam-e-Punjab Rural Roads

Description

Rehabilitation of existing Rural Roads will provide communication facilities to the rural population in the respective districts and transportation of agriculture produce / industrial to the Local markets. In Phase V of KPRRP 161 roads have been selected for rehabilitation/widening at a total cost of PKR 15.89 Billion. The TPV work is once again divided in all nine divisions and separate TPV consultant for Phase-V.

Client

Directorate General Monitoring and Evaluation, P & D Dept, Punjab

Cost

Project Cost PKR 15.89 Billion

Consultancy Cost PKR 6.287 Million

Services

- The Consultant will prepare a comprehensive and logical work plan and present to the Client in the form of an Inception Report for review and approval and subsequent implementation. The required quality and quantity of Technical / Core Team of Consultant will be deputed on site on full time basis. . The Consultant will analyze and validate the quality of rehabilitated / newly constructed roads at substantial completion of every layer. The Consultant will upload the status on the web on daily basis, developed by Urban Unit, P&D department. Lab testing will be conducted by the TPV Consultant at substantial completion of Sub-grade, Sub-Base, Base and Asphalt Wearing Course, so that the course correction may be made at appropriate time.

Relocation of Karakorum Highway for Contruction of Dasu HPP

Description

Total Length of road is 25 KM
Dasu-KKH-01 :
Relocation of Karakorum Highway from RD: 0+000 to 25+200
Dasu-RAR-01:
Construction of Right Bank Access Road from Komila to Dam Site

Client

WAPDA, General Manager Hydro Planning WAPDA, WAPDA House, Lahore

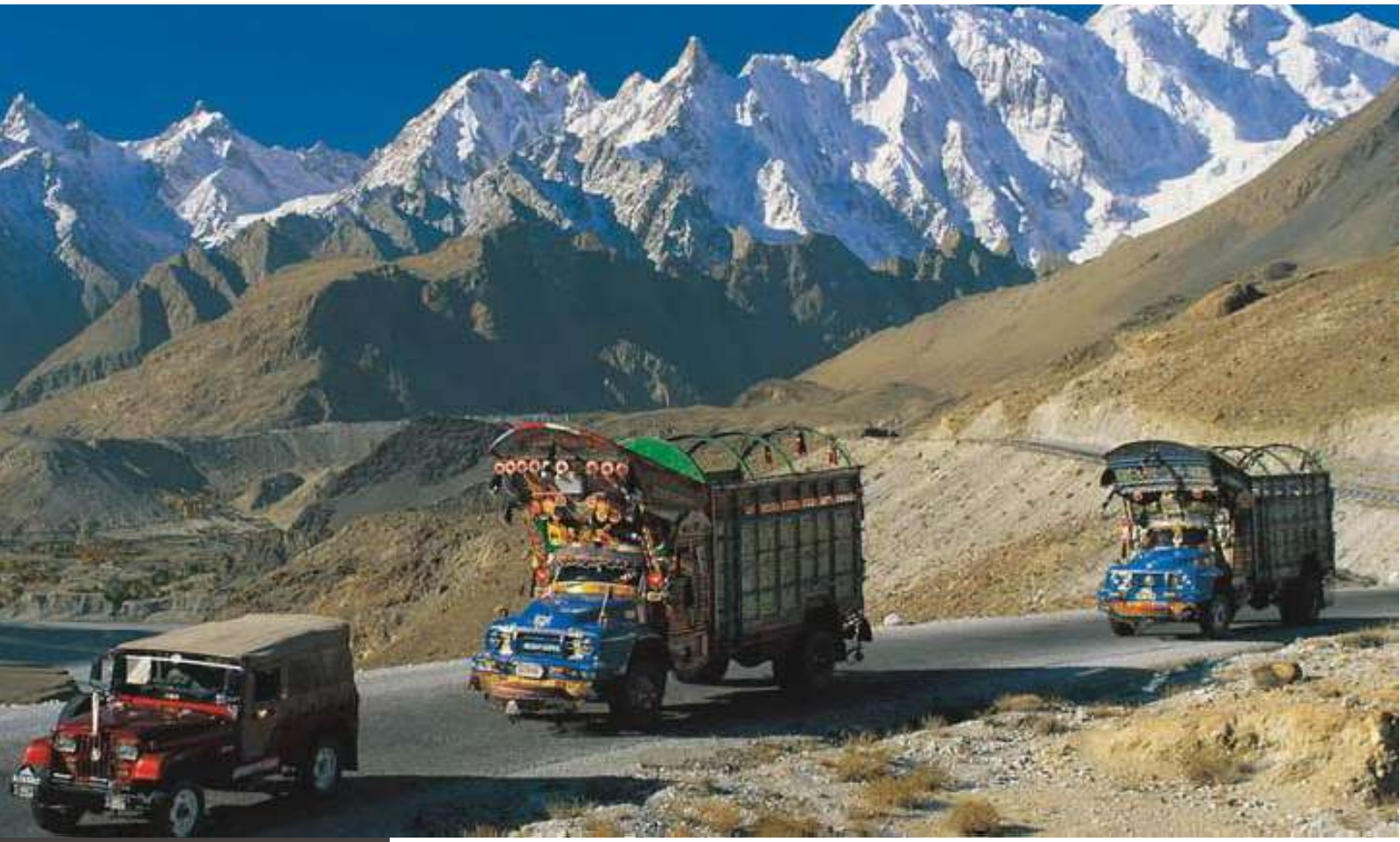
Cost

Project Cost PKR 4 Billion

Consultancy Cost PKR 10 Million

Services

- Construction supervision of the road.
- Develop a work plan for the assignment in close coordination with the Client.
- To verify quantities and quality of materials procured and works completed.
- To verify that the plans/designs meet the priority criteria agreed for the project.
- To review plans/designs to assure compliance with agreed criteria and standards.
- To spot check and visit site to inspect quality of material and construction works.



INTERNATIONAL PROJECTS

Canada
Clyde Bergemann
Recovery Boiler

Iran
Qesham
Gas Turbine Power Station

Afghanistan
Pashdan Dam

Bangladesh
Bhola Thermal CCP

Nigeria
Sapele Grid Station

Jordan
Wadi-Assal Dam

Kenya
Engine Based Thermal
Power Plant

Dubai
Al-aweer Thermal
Power Plant

OUR CLIENTS


HESCO
engro powergen
PIA
Pakistan International
BLACK & VEATCH
RUPALI INDUSTRIES
NDPHC
NIPP
ETA
No.1 MEP Contractor
B&W
thebabcock&wilcoxcompany
ARMY WELFARE TRUST
CLIETNS

PEOPLE WE WORK WITH

Clientele

Public Sector Clients

- Water and Power Development Authority (WAPDA)
- Small Dams Organization, Khyber Pakhtunkhwa
- Irrigation Department Govt. of Khyber Pakhtunkhwa
  PWD, Gilgit Baltistan
- Hyderabad Electric Supply Company (HESCO),
  K-Electric
- Pakhtunkhwa Hydel Development Organization (PHYDO)
- Irrigation and Power Department, Government of Punjab
- Punjab Industrial Estates Development and Management Company (PIEDMC)
- Hydroelectric Board, Government of AJ&K
- Electric Department Government of Azad Jammu & Kashmir
- Pakistan Atomic Energy Commission Islamabad
- Pakistan Steel Mills, Karachi
  Private Power Cell, Government of
- Khyber Pakhtunkhwa
  Public Health Engineering Department, Government of the Punjab
- Lahore Development Authority (LDA), Lahore
- Army Welfare Trust
- Water & Sanitation Agency, Lahore
- Development Authority, Lahore
  Gujranwala Development Authority, Gujranwala,
- Pakistan International Airline (PIA), Karachi
- Board of Intermediate and Secondary Education (BISE) Faisalabad.
- Board of Intermediate and Secondary Education, Faisalabad,
- Civil Aviation Authority of Pakistan

Private Sector Clients

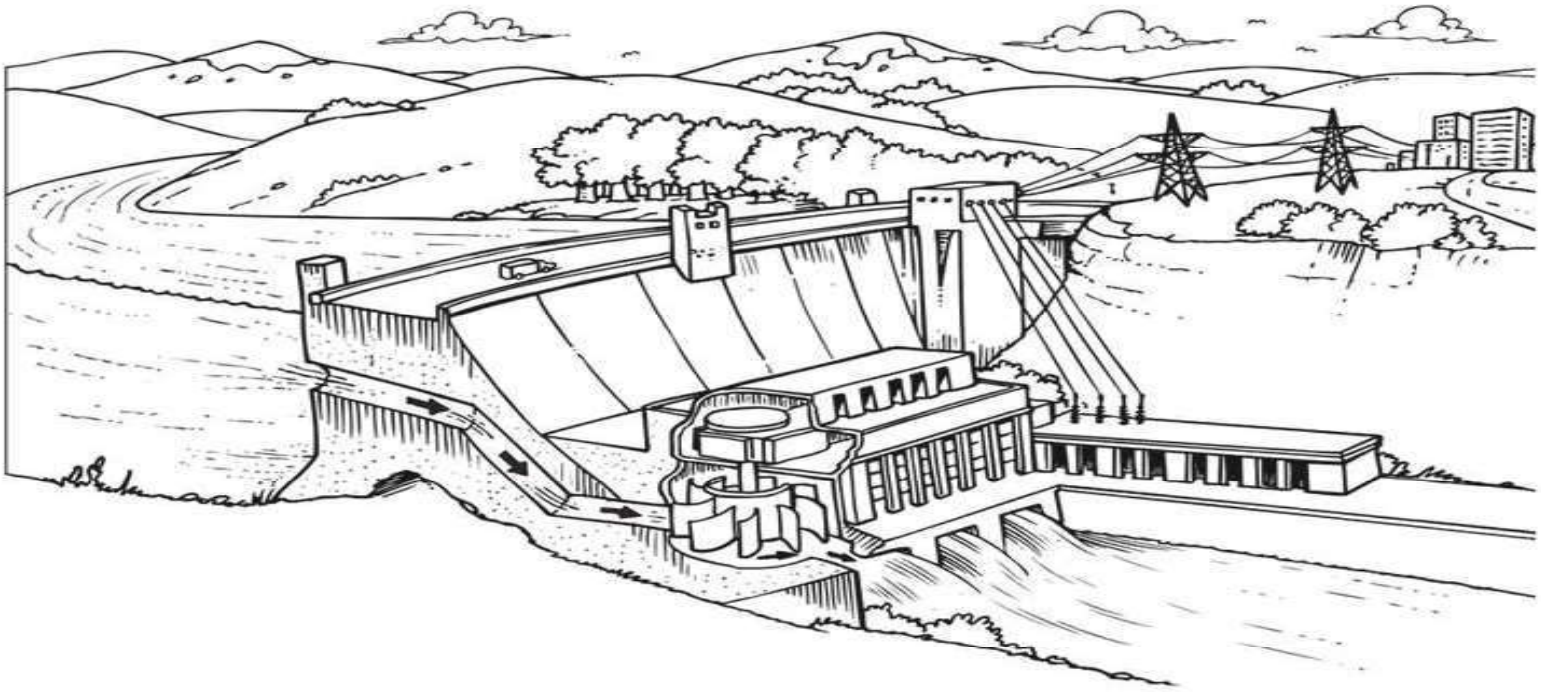
- Star Hydropower Generation Ltd.
- Al-Ghurair Giga Pakistan (Pvt.) Ltd.,
- Zaitoon Group (Pvt.) Ltd.
- Laraib Gorup
- Saif Power Limited, Islamabad
- Engro Powergen Limited
- Siddiqsons Ltd
- National Procurement Commission
- Resource Development Corporation / Saindak Metals (Pvt.) Ltd.
- Fauji Foundation, Islamabad
- UCH Power Limited
- National Refinery Limited Korangi, Karachi
- Orient Power Ltd., Lahore
- Sapphire Electric Company Limited
- Southern Hydro Ltd., Islamabad
- Shahpur Energy Limited, Lahore
- Fateh Textile Mill Ltd.
- Leading Energy Limited
- M.K. Power Consortium
- Pak – American Fertilizer Limited
- Qasim International Terminal Limited (QITC)
- REMCO
- Resource Development Corporation (Pvt.) Ltd.
- Rupali Industries Ltd.
- Divisional Public School, Lahore

Overseas Clients

- Gulf Engineering and Consult. Co.
- Energomonolistroy, Russia
- HEWADWAL – AZETQ , Afghanistan
- Niger Delta Power Holding Company, Nigeria
- Bangladesh Power Development Board (BPDB), Bangladesh
- Emirates Trading Agency. L.L.C, UAE
- Black and Veatch International, USA
- Jaya Far East Ship Building Limited, Singapore
- Babcock &Wilcox , USA
- Independent Energy Partners, USA

HYDROPOWER

COMPLETE LIST OF PROJECTS



Key for Services Offered

- Conceptual and Feasibility Studies.
- Detailed Design and Engineering.
- Tender Documentation and Bid Evaluation.
- Design Review and Shop Drawings.
- Construction Management and Supervision.
- Vendor and Equipment Evaluation..
- Rapid Assessment and Due Diligence
- Testing and Commissioning.
- Environmental and Social Impact Assessment.
- Monitoring & Evaluation (M&E).

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HYDROPOWER CORE PROJECTS

Project	*Location*	*Services*	*Client*	*Duration*
20 MW HPP Hanzel Gilgit.	Gilgit Baltistan		Water and Power Department Gilgit Baltistan	May-21 May-26
26 MW HPP Shagharthang, Skardu Gilgit Baltistan	Skardu, Gilgit		Water and Power Department Gilgit Baltistan	Mar-21 Dec-25
8 MW Kathai-II Hydropower Project	AJ&K		Project Manager, Kathai-II Hydropwer Project Kathai-II Hydro (Pvt.) Limited	Sep-20 Mar-23
Rehabilitation of 20 MW Dargai Hydroelectric Power Station	Malakand		WAPDA	Jan-20 Jan-25
Access to Clean Energy Investment Program-Mini/Micro Hydropower Projects	Khyber Pakhtunkhwa, Region-1.		Access to Clean Energy Investment Program – MMHPPs, PEDO	Sep-2019 Sep-2022
22MW Jagran-4 HPP	AJ&K		AJK Power Development Organization (PDO AJK).	Apr-2021 Nov-2021
Dasu Dam Project.	Dasu, District Kohistan, Khyber Pakhtunkhwa		Pakistan Water & Power Development Authority	Aug-11 Jun-22

HYDROPOWER CORE PROJECTS

Project	*Location*	*Services*	*Client*	*Duration*
230 MW Laspur Murigram Hydropower Project	Chitral, KPK		Frontier Works Organization (FWO)	Jan-2018 Sep-2019
132 MW Shogo – Sin Hydropower Project	Chitral, KPK		Frontier Works Organization (FWO)	Jan-2018 Aug-2018
144 MW Shushgai - Zhendoli Hydropower Project	Chitral, KPK		Frontier Works Organization (FWO)	Jan-2018 Dec-2018
4.2 MW Reshun Hydropower Project	Chitral, KPK		Pakhtunkhwa Hydel Development Organization (PHYDO)	Jan-18 Dec-21
350MW Athmuqam Hydropower Project	Athmuqam, Distrcit Neelum, Azad Jammu & Kashmir		ISAN Corporation	Aug-17 Aug-18
Karora Hydropower Project	District Shangla, Khyber Pakhtunkhwa		Pakhtunkhwa Hydel Development Organization (PHYDO)	Nov-13 Dec-22
Patan Hydropower Project	Patan, District Kohistan, Khyber Pakhtunkhwa		Pakistan Water & Power Development Authority	June-13 Dec-15
Ashkot Hydro Power Project	Ashkot, District Neelum, Azad Jammu & Kashmir		Ashkot Energy (Pvt.) Limited	Dec-12 Dec-17

HYDROPOWER CORE PROJECTS

Project	*Location*	*Services*	*Client*	*Duration*
Jagran-II Hydropower Project	Jagran, District Neelum, AJ&K		Hydro Electric Board, Muzaffarabad AJ&K	Dec-12 Dec-19
Harpo HPP	Harpo, District Skardu		Water & Power Department, Gilgit Baltistan	Dec-10 Mar-12
Golen Gol HP	District Chitral, Khyber Pakhtunkhwa		Pakistan Water & Power Development Authority	Dec-11 Dec-18
Patrind HPP	District Muzaffarabad, Azad Jammu & Kashmir		Star Hydro Power Ltd.	Oct-09 Jan-18
Tormik HPP	District Skardu, Gilgit Baltistan		Water and Power Department, Skardu	Apr-09 Sep-09
Golen Gol HPP	District Chitral, Khyber Pakhtunkhwa		Pakistan Water & Power Development Authority	Jun-07 Mar-10
Patrind HPP	District Muzzafrabad, Azad Jammu & Kashmir		Star Hydropower Generation Ltd.	Dec-05 Jun-07
Gabral-Kalam HPP	District Swat		Swat Hydropower	Aug-05 Jun-07

HYDROPOWER CORE PROJECTS

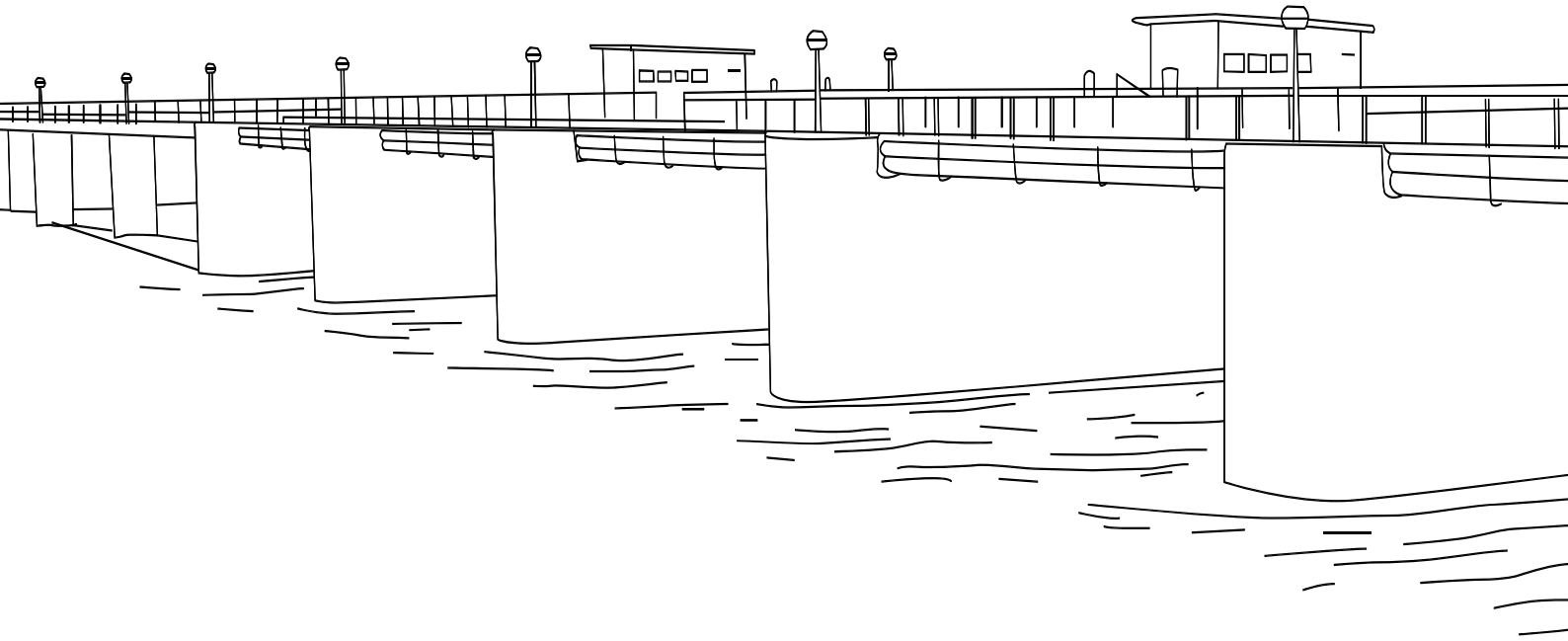
Project	*Location*	*Services*	*Client*	*Duration*
Hotreri HPP	District Muzzafrabad,		Ujala Hydel Power (Pvt.) Ltd.	May-04 Mar-06
Khokhra HPP	Distriict Jehlum, Punjab		Irrigation and Power Department, Punjab	Sep-04 Dec-05
Lower Bari Doab Canal HPP	District Okara, Punjab		Irrigation and Power Department	Mar-04 Mar-05
Indus Tributaries High Head HPP	Besham, Distrct Shangla)		Water and Power Development Authority	Nov-02 Dec-13
Four Hydel Schemes	Azad Jammu & Kashmir		AJK, Hydroelectric Board, Government of AJ&K	Mar-02 Mar-05
Malakand – III HPP	District Malakand		Sarhad Hydel Development Organization, KP	Sep-01 Sep-07
Riali – II HPP	Riali, District Muzaffrabad,		Sachal Engineering Works (Pvt.) Ltd., Islamabad	Jun-01 Sep-04
Naltar HPP	District Gilgit		Northern Areas, Public Works Department, Govt. of Pakistan.	Aug-00 Nov-00
Ghazi Bharotha Hydropower Project	District Attock, Punjab		Pakistan Water & Power Development Authority	Aug-97 Jun-03
Upper Chenab Canal HPP	District Sialkot, Punjab		Independent Energy Partners USA	Feb-97 Apr-97

HYDROPOWER CORE PROJECTS

Project	*Location*	*Services*	*Client*	*Duration*
Upper Jhelum Canal HPP	District Jehlum, Punjab		Independent Energy Partners USA	Feb-97 Apr-97
Malakand III HPP	District Malakand, Khyber Pakhtunkhwa		Southern Hydro Ltd., Islamabad.	Jun-96 Feb-97
5 Small Hydel Schemes on various canal falls in Punjab	Various Districts of Punjab		Independent Energy Partners (Pvt.) Ltd.	May-96 Dec-97
Bong Escape HPP	Mangla, District Mirpur		Laraib Energy Ltd.	Dec-95 May-96
B. S. Link – 1, HPP	Chunian, District Kasur		M.K. Power Consortium	Apr-95 Nov-95
Chashma Nuclear Power Project	Chashma, District Mianwali		Pakistan Atomic Energy Commission Islamabad	Oct-94 Nov-97
Barge Mounted Power Project	Bin Qasim, Karachi, Sindh		Jaya Far East Singapore	Aug-94 Sep-95
Shishigol HPP	Shishigo, District Chitral		Sarhad Hydel Development Organization	Aug-91 Sep-92
Tarbela HPP(Unit 5 – 8)	Tarbela -Khyber Pakhtunkhwa		Pakistan Water & Power Development Authority	Jan-75 Dec-83

DAMS & WR

COMPLETE LIST OF PROJECTS



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- Rapid Assessment and Due Diligence
- Testing and Commissioning.
- Environmental and Social Impact Assessment.
- Monitoring & Evaluation (M&E).

PCC consulting

WATER RESOURCES CORE PROJECTS

Project	*Location*	*Services*	*Client*	*Duration*
Panjgur Storage Dam	Panjgur, Balochistan		Irrigation Department, Government of Balochistan	Jan-22 Sep-25
Khattak Bandan Dam	District Kohat		Irrigation Department, Govt. of Khyber Pakhtunkhwa	Dec-20 Jun-23
Bolan Dam	Baluchistan		The Executive Engineer Kachhi Irrigation Division At Dhadar.	Aug-20 Jun-22
Garuk Storage Dam Project	District Kharan		Irrigation Department Government of Baluchistan	Apr-18 Apr-23
Manchura Dam Project	District Mansehra		Directorate General Small Dams, Irrigation Department, Govt. of KP.	Dec-17 Nov-20
Ghat Khwar Pir said Korona (Mian Patay) Dam Project	District Charsadda		Directorate General Small Dams, Irrigation Department, Govt. of KP.	Feb-17 Dec-20

WATER RESOURCES CORE PROJECTS

Project	*Location*	*Services*	*Client*	*Duration*
Rucha Dam Project	District Bannu		Directorate General Small Dams, Irrigation Department, Govt. of KP.	Dec-14 Jun-18
Shaheed Banda Dam	District Charsadda		Directorate General Small Dams, Irrigation Department, Govt. of KP.	Feb-17 Dec-18
Tora Wari Dam project	District Hangu		Directorate General Small Dams, Irrigation Department, Govt. of KP.	Dec-14 Dec-19
Malang Baba Dam site	District Nowshera		DG Small Dams, Irrigation Department, KPK.	Feb-17 Dec-18
Development of Water Resources with the Construction of Small and Medium Dams	Quetta, Pakistan		Irrigation Department,Govt.of Balochistan.	May-16 Jun-20
Wadi Easal Dam	Wadi Easal		Ministry of Water and Irrigation, Jordan Velley Authority.	Nov-15 Sep-17
Zawona Darwazai Dam and Hazar Tang Dam	Khairabad, District Nowshera		DG Small Dams, Irrigation Department, KPK.	Sep-15 Dec-16
Ichar Nullah Dam Site	District Mansehra		DG Small Dams, Irrigation Department, KPK.	Sep-13 Jun-20
Legani Dam Site and Beha Dam Site	District Bunir,District Swat		DG Small Dams, Irrigation Department, KPK.	Sep-15 Dec-16

WATER RESOURCES CORE PROJECTS

Project	*Location*	*Services*	*Client*	*Duration*
Mandarosh Kalam Dam project	District Abbottabad		DG Small Dams, Irrigation Department, KPK.	Dec-14 Jun-16
1. Lining of Balambat Irrigation Scheme (ADP#487) 2. Construction of Bagh Dheri Flow Irrigation Scheme (ADP#490)	Lower Dir District, District Swat		Irrigation Department KPK. Swat Irrigation Circle.	Jan-14 Dec-20
Naulong Dam Project	District Jhal Magsi		WAPDA	Jan-14 May-22
Water Sector of Khiali River (Package 1-5)	District Charsadda		DG Small Dams, Irrigation Department, KPK.	Dec-13 Mar-16
Chall Dam District and Borakka Dam (Package-R)	District Lakki Marwat and District Kohat		DG Small Dams, Irrigation Department, KPK.	Oct-13 Apr-14
Feasibility Study of Balimang Dam and Manchura Dam (Package-P)	District Mansehra		DG Small Dams, Irrigation Department, KPK.	Oct-13 Apr-14
Khali Dam and Lunda Khatta Dam (Package-Q)	District Buner, District Abbottabad		DG Small Dams, Irrigation Department, KPK.	Oct-13 Apr-14
Machalgho Irrigation Project	District Ahmad Aba, Paktia, Afghanistan		Hewadwal-Azetq JV,MEW Afghanistan.Gulf 3kv Jv.	Jan-18 Dec-19
Pashdan Irrigation and Hydropower Project, Herat Afghanistan	District Karokh		Hewadwal-Azetq JV,MEW Afghanistan.Gulf 3kv Jv.	Jan-12 Dec-21

WATER RESOURCES CORE PROJECTS

Project	*Location*	*Services*	*Client*	*Duration*
Kurram Tangi Dam Multipurpose Project	Kurram Agency (FATA),	★	WAPDA	Nov-11 Dec-20
Restoration Works in Central Irrigation Circle Peshawar.	District Peshawar	●★	FDRD.(Flood Damages Restoration Directorate.	Feb-11 Mar-12
Barwasa Dam and Dara Kuthera Dam (Package-N)	District Haripur	●●★	DG Small Dams, Irrigation Department, KPK.	Jan-11 Dec-21
Kabul Weir Canal	District Peshawar	●★	Irrigation Department Canals.Peshawar Divisiion.	Dec-10 Nov-15
Kora Nullah Dam Site, Makh Banda Dam Site,and Ghaus Dera Dam Site (Package-K)	District D.I. Khan, District Karak and District Kohat	●●★	DG Small Dams,. Irrigation Department, KPK.	Jan-11 Dec-21
Jalozai dam	District Nowshera	●●★	DG Small Dams, Irrigation Department, KPK.	Nov-08 Jun-18
GHABIR DAM PROJECT	District Chakwal	●	DG Small Dams, Irrigation Department, KPK.	Aug-10 Jul-11
Jhangra Dam District Abbottabad and Bazgram Dam (Package - J)	District Abbotabad	●●★	DG Small Dams, Irrigation Department, KPK.	Mar-10 Dec-17
Gul Dheri Irrigation Dam	District Nowshera	●●★	DG Small Dams, Irrigation Department, KPK.	Nov-08 Dec-16
Pezu dam	District Lakki Marwart	●●★	DG Small Dams, Irrigation Department, KPK.	May-09 Dec-21

WATER RESOURCES CORE PROJECTS

Project	*Location*	*Services*	*Client*	*Duration*
Bada and Sher Dara Dam Project	District Swabi		DG Small Dams, Irrigation Department, KPK.	Nov-08 Jun-10
Kana Khel Dam Project	District Nowshera		DG Small Dams, Irrigation Department, KPK.	Nov-08 Jun-12
Sumari Payan Irrigation Dam	District Kohat		DG Small Dams, Irrigation Department, KPK.	Apr-05 May-11
Palai Irrigation Dam	District Charsadda		DG Small Dams, Irrigation Department, KPK.	Aug-08 Aug-12
Latamber Dam	District Karak		DG Small Dams, Irrigation Department, KPK.	Jul-08 Dec-21
Zari Dam	District Karak		DG Small Dams, Irrigation Department, KPK.	Jul-08 Dec-21
Chamak Mira Dam	District Abbottabad		DG Small Dams, Irrigation Department, KPK.	Jan-08 Jun-08
Daraban Zam Dam	District Dera Ismail Khan		WAPDA	Jun-07 Jun-10
Package-C comprising of Nak Band Dam, Darmalak Dam and Surgul Dam	District Nowshera, Swat and Peshawar		DG Small Dams, Irrigation Department, KPK.	Apr-05 Jun-06
Loughar Dam	District Karak		DG Small Dams, Irrigation Department, KPK.	Jun-07 Jun-12
Ghole Banda Dam	District Karak		DG Small Dams, Irrigation Department, KPK.	Apr-07 Jun-12

WATER RESOURCES CORE PROJECTS

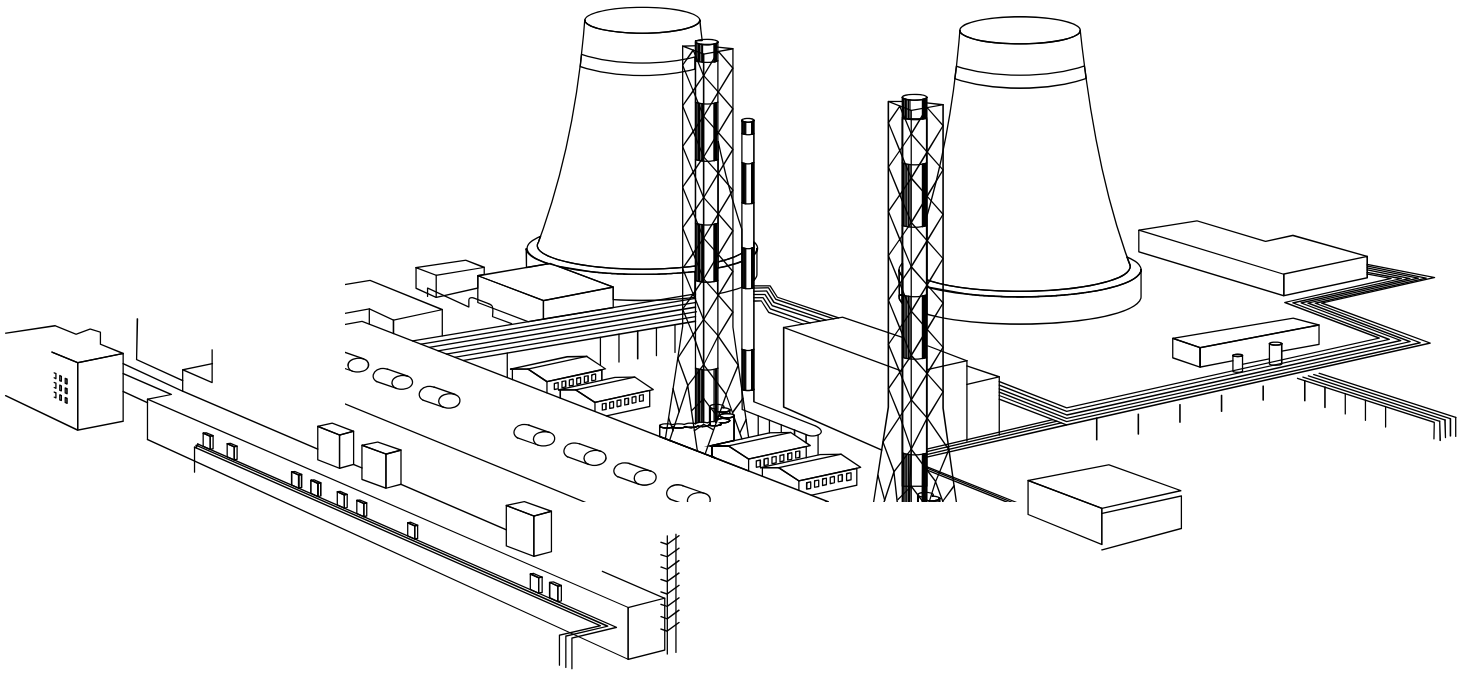
Project	*Location*	*Services*	*Client*	*Duration*
Karak Dam	District Karak		DG Small Dams, Irrigation Department, KPK.	Jun-07 Jun-09
Mardan Khel Dam	District Karak		DG Small Dams, Irrigation Department, KPK.	Nov-09 Jun-14
Kiyala Dam	District Abbottabad		DG Small Dams, Irrigation Department, KPK.	Jun-07 Jun-17
Chapra Dam	District Haripur		DG Small Dams, Irrigation Department, KPK.	Mar-07 Sep-07 Jun-12 Dec-12
Gadwalian Dam	District Haripur		DG Small Dams, Irrigation Department, KPK.	Mar-07 Jun-17
Naulong Dam Project	District Jhal Magsi		WAPDA	Dec-06 Mar-10
Ghabir Dam Project	District Chakwal		DG of Irrigation and Power Department,Gov. of Punjab.	Apr-06 Oct-06
Diamer-Bhasha Dam Project	Bhasha,District Diamer		WAPDA	Jul-05 Mar-16
Satpara Multipurpose Dam Project	District Skardu		WAPDA	Nov-02 Jul-14
Kurram Tangi Dam Multipurpose Project (Power Potential : 83 MW)	North Waziristan		WAPDA	Oct-02 Mar-05
Diamer-Bhasha Dam Project	Bhasha,District Diamer		WAPDA	Jun-02 May-04

WATER RESOURCES CORE PROJECTS

Project	*Location*	*Services*	*Client*	*Duration*
Chotiari Reservoir.	District Sanghar		WAPDA	Jan-99 Dec-02
Nariab Dam Project.	District Hangu		DG Small Dams Irrigation Department, KPK	Dec-92 Mar-94
Changoz Dam Irrigation and Water Supply Project.	District Karak		DG small Dams, Irrigation Department, KPK.	Dec-92 Mar-94
Kurram Tangi Dam Project.	North Waziristan Agency		WAPDA	Sep-91 Nov-92
Munda Dam Multipurpose Project.	Mohmand Agency		WAPDA	Aug-91 Nov-92
Zaibi Dam Project.	District Karak		WAPDA	Jul-91 Dec-92

THERMAL POWER

COMPLETE LIST OF PROJECTS



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- Testing and Commissioning.
- Environmental and Social Impact Assessment.
- Monitoring & Evaluation (M&E).

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THERMAL POWER CORE PROJECTS

Project	*Location*	*Services*	*Client*	*Duration*
2x365 MW Conversion of HFO based Lalpir / Pakgen Power Plant to Coal	Muzaffargarh		Nishat Power Limited	Aug-16 Apr-18
96 MW Net Diesel Engine Based Power Plant Running on RFO	Kasur, Punjab.		Reshma Power Generation (Pvt.) Ltd.	Feb-15 Mar-15
300 KW Biomass Gasification CHP Plant Rural Electrification Project	Rajanpur		(UNIDO)	Apr-15 Sep-15
Northern Power Generation Company (NPGCL), GENCO-III 1,350 MW TPS	Muzaffargarh, Pakistan		United Bank Limited	Dec-14 Aug-16
747 MW Combined Cycle Power Plant	Guddu, Kashmore, Sindh		WAPDA	Jun-10 Dec-16
Current Dependable Capacity and Heat Rate Tests of core power plants of GENCOs	Jamshoro , Guddu and Muzaffargarh		Advanced Engineering Associates International (AEAI), USAID Energy Policy Project	Apr-13 Sep-15
350 MW Imported Coal Based Thermal Power Project including the 500 kV Grid Stations	Bin Qasim, Karachi		Siddiqsons Ltd.	Jan-15 Dec-15
RLNG Fired 225 MW Combined Cycle Power Plant	Bin Qasim, Karachi		Engro Powergen Limited	Mar-15 Dec-15

THERMAL POWER CORE PROJECTS

Project	*Location*	*Services*	*Client*	*Duration*
3MW Combined Heat & Power Rice Husk Biomass Gasification System	Kamoke-Gujrawnwala, Punjab	●	THE UNITED NATIONS INDUSTRIAL DEVELOPMENT ORGANIZATION (UNIDO)	May-14 Sep-14
1MW Combined Heat & Power Biomass Gasification System	Jhelum, Punjab	●	The United Nations Industrial Development Organization (UNIDO)	May-14 Sep-14
50 MW Coal Based Thermal Power Plant	Kalar Kahar, Chakwal Punjab	●	Elektro Power Private Limited	Aug-10 Jan-11
560 MW Combined Cycle Power Plant Bin Qasim-II KESC	Karachi, Pakistan	▲	Karachi Electricity Supply Company Limited (KESCL).	Sep-11 Oct-11
220 MW Combined Cycle Power Plant KESC	Karachi, Pakistan	▲	Karachi Electricity Supply Company Limited (KESCL).	Sep-11 Oct-11
90 MW Gas Engines Korangi GTPS-II KESC	Karachi, Pakistan	▲	Karachi Electricity Supply Company Limited (KESCL).	Sep-11 Oct-11
KESC Power Plants 90 MW Gas Engines Site GTPS-II KESC	Karachi, Pakistan	▲	Karachi Electricity Supply Company Limited (KESCL).	Sep-11 Oct-11
80 MW Reciprocating Engine RFO Based Athi River Power Plant,	Nairobi, Kenya	●	Gulf Energy Limited Geminia	Sep-09 Nov-09

THERMAL POWER CORE PROJECTS

Project	*Location*	*Services*	*Client*	*Duration*
150 MW Thermal Power Plant	Bhola, Bangladesh		Bangladesh Power Development Board	Dec-09 Jun-10
200 MW Coal Fired Thermal Power Plant	Lakhra, Sindh		Fateh Textile Mill Ltd.	Sep-06 Jun-08
150 MW Thermal Power Plant	Shahpur near Sargodha, Punjab		Shahpur Energy Limited, Lahore	Feb-08 Dec-08
2x 350 MW Steam Power Plants at NGPS Multan and TPS Faisalabad	Multan and Faisalabad, Punjab		Water And Power Development Authority, Lahore	Feb-08 Apr-08
200 MW Reciprocating Engine based Power Plant	Shahkot near Faisalabad, Punjab		Leading Energy (Pvt.) Limited	Jan-08 Nov-08
3 x 200MW Diesel Engine Combined Cycle Power Plants	Chichokimilian, Nandi Pur and Faisalabad		Water And Power Development Authority, Lahore	Jul-06 Aug-06
200 MW Dual Fuel Fired Combined Cycle Power Plant Sahiwal.	Sahiwal, Punjab		Saif Power Limited, Islamabad	Mar-06 Nov-06
200 MW Combined Cycle Power Plant Muridkey	Muridkey, Punjab		Sapphire Electric Company Limited	Feb-05 Sep-05
166 MW Simple Cycle Gas Turbine Power Plant, Qeshm, IR IRAN	IR IRAN		Emirates Trading Agency. L.L.C	Feb-05 Jul-05

THERMAL POWER CORE PROJECTS

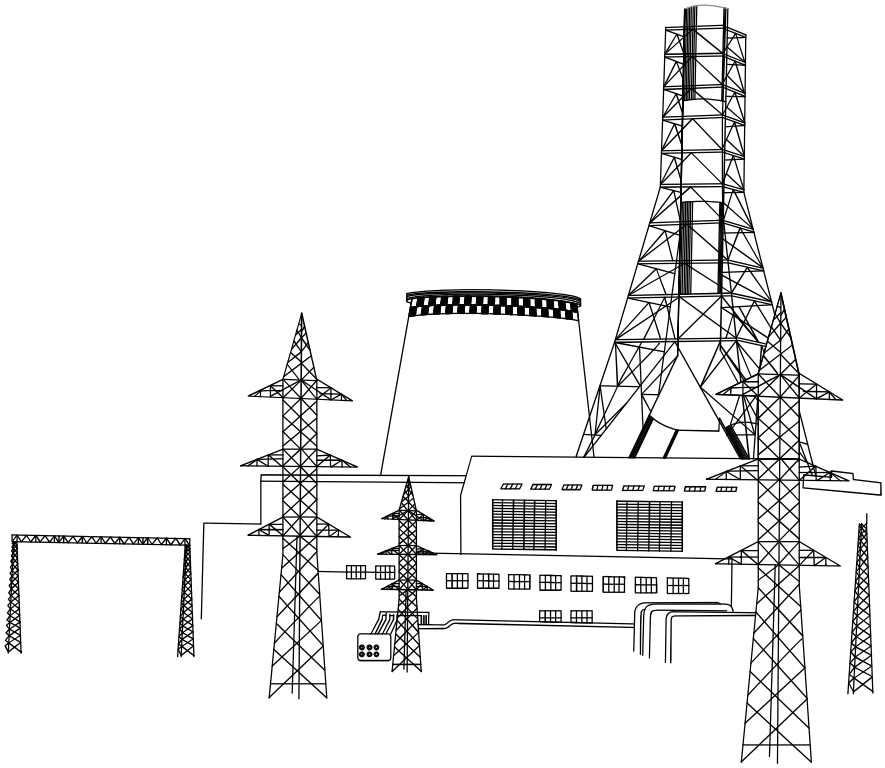
Project	*Location*	*Services*	*Client*	*Duration*
125 MW Mari Deep Combined Cycle Power Project.	Jarwar, Ghotki Sindh		Emirates Trading Agency –ESCON	Feb-04 Feb-05
125 MW Combined Cycle Power Project for Mustaqim Engineering.	Sindh		Mustaqim Engineering (Bonanza Pvt. Ltd.)	Jun-04 Sep-04
400 MW Combined Cycle Power Project	Balloki, Punjab		Orient Power Ltd., Lahore	Feb-04 Dec-04
150 MW Combined Cycle Power Project	Karachi		Fauji Foundation, Islamabad	Feb-04 Aug-04
880 MW Thermal Power Station Jamshoro	Hyderabad (Sindh), Pakistan		Metro Securities Karachi	Jan-04 Feb-04
174 MW Thermal Power Station Kotri	Hyderabad (Sindh), Pakistan		Metro Securities Karachi	Dec-03 Feb-04
25 MW Captive Power Plant at Karachi Air Port.	Karachi (Sindh), Pakistan		Pakistan International Airline (PIA), Karachi	Mar-99 Apr-00
125 MW Saba Thermal Power Project	Sheikhupura (Punjab), Pakistan		Babcock & Wilcox	Mar-97 Dec-98
586 MW UCH Power Plant	Dera Murad Jamali, Balochistan		UCH Power Limited	Aug-95 Apr-98

THERMAL POWER CORE PROJECTS

Project	*Location*	*Services*	*Client*	*Duration*
3 × 20 Mw Gas Turbine Power Plant	Bheramara Bangladesh		Bangladesh Power Development Board	Jul-95 Dec-96
2x67.0 MW Barge Mounted Power Project	Korangi, Karachi (Sind)		Jaya Far East Ship Building Limited	Aug-94 Sep-95
Muzaffargarh TP Station Extension Unit 4	Muzaffargarh		Pakistan Water & Power Development Authority, Lahore	Nov-94 Oct-97
220 MW Unit 6 Bin Qasim TPP	Bin Qasim,Karachi		Black & Veatch, USA	Apr-94 Jul-96
3x50 MW Fluidized Bed Power Plant	Khanot, District Jamshoro		Pakistan Water & Power Development Authority	Feb-90 Mar-96
Muzaffargarh TP Station Extension Unit 5 & 6	Muzaffargarh		Pakistan Water & Power Development Authority, Lahore	May-91 Nov-96
50 MW Diesel Power Station	Saindak, District Chagai		Resource Development Corporation (Pvt.) Ltd.	Jun-91 Jan-96
40 MW Nizampur Thermal Power Station	Nizampur		Army Welfare Trust	Aug-95 Jan-99
Oil Fired TP Station Project Jamshoro Unit 2,3&4	Mohra Jabal, District Jamshoro		Pakistan Water & Power Development Authority	May-87 May-92

ELECTRICAL

COMPLETE LIST OF PROJECTS



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ELECTRICAL CORE PROJECTS

Project	*Location*	*Services*	*Client*	*Duration*
Establishment of Regional Grids in Gilgit Baltistan (Phase-1)	Gilgit-Baltistan		(Project Director) Establishment of Regional Grids Gilgit-Baltistan(Phase-1)	April-21 April-25
Abuja Feeding Scheme Transmission Project	Abuja, Nigeria		Transmission Company of Nigeria	Mar-19 Mar-22
Nigerian Transmission Expansion Project (NTEP)	Abuja, Nigeria		Transmission Company of Nigeria	Feb-19 May-19
Development of Power Transmission Infrastructure Expansion Projects (Northern Corridor)	Abuja, Nigeria		Transmission Company of Nigeria	May-18 Dec-18
Supply and Installation of Substation Essential Power Equipment & Gas Improvement Project	Abuja, Nigeria		Transmission Company of Nigeria	Nov-16 Dec-18
Karora Hydropower Project including 132 kV AIS Switchyard including 132 kV Transmission Line	District Shangla, Swat		Pakhtunkhwa Hydel Development Organization (PHYDO)	Nov-16 Dec-18
300 MW Ashkot Hydro Power Project including 220kV Grid Station	Ashkot, AJK		Ashkot Energy (Pvt.) Limited	Dec-12 Nov-14

ELECTRICAL CORE PROJECTS

Project	*Location*	*Services*	*Client*	*Duration*
Golen Gol HPP including Switchyard and Transmission Line and Master Planning for Grid Station	District Chitral		Pakistan Water & Power Development Authority	Dec-10 Dec-18
The Expansion of the Sapele Power Station Switchyard Lot 27 NIPP Transmission Project	Sapele		Niger Delta Power Holding Company	Dec-09 Mar-11
ButKhak Sub Station and Kabul MV / LV Distribution System, Supply, Enhancement and Rehabilitation, Afghanistan	Kabul		Ministry of Energy and Water (MEW), Kabul, Afghanistan	Sep-13 Mar-15
HESCO's 6th secondary transmission lines and grid stations (STG) programme 2005-2014.	District Hyderabad (Buxapur Chamber Larkana Samaro – Naukot Matiari _		Hyderabad Electric Supply Company (HESCO)	Mar-08 Dec-12
Power Distribution Network in Azad Jammu and Kashmir	Azad Jammu and Kashmir		Electric Department Government of Azad Jammu & Kashmir	Apr-01 Mar-06

ELECTRICAL CORE PROJECTS

Project	*Location*	*Services*	*Client*	*Duration*
Rural Electrification Projects in Gujranwala,Faisalabad & Lahore under OECF Loan	District Gujranwala, District Faisalabad and District Lahore		Pakistan Water & Power Development Authority, Lahore	Dec-91 Mar-98
Transmission Lines Towers	Bin Qasim, District Karachi		Pakistan Steel Mills	Jul-09 Dec-15
Additional Bay of 40 MVA Transformer at SIE Grid Station, and the Development of Sunder Industrial	Sundar Industrial Estate,District Lahore		Punjab Industrial Estates, Development and Management Company (PIEMDC)	Feb-11 Dec-14
External Electrification for Ch. Ghulam Abbas Kashmir Housing Colony	Muridkey, District Sheikhupura		Azad Jammu and Kashmir Council, AJKC	Jan-02 Sep-02
High Tension and Low Tension Networks at Karachi Airport	Karachi, District Karachi		Civil Aviation Authority of Pakistan	Oct-84 May-85
132 kV Transmission Line Pakistan Steel Mills	Karachi, District Karachi		Pakistan Steel Mills, Karachi	Jan-78 Dec-78
Remedial Measures of Cooling Tower at Pak – American Fertilizer Limited	Daud khel,District Mianwalai		Pak – American Fertilizer Limited	Jan-00 Apr-00
Rural Electrification Projects in Islamabad and Peshawar under IBRD Loan	Islamabad & District Peshawar		Pakistan Water & Power Development Authority, Lahore	Jun-93 Jun-98

BUILDING DESIGN

COMPLETE LIST OF PROJECTS

Key for Services Offered

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BUILDINGS

Project	*Location*	*Services*	*Client*	*Duration*
Dangerous Building / Missing Facilities of Schools	District Rajanpur	★	Chief Executive Officer, District Education Authority Rajanpur	Jun-17 Sep-17
Resident Supervision Provision of Missing Facilities and Reconstruction of Dilapidated School Buildings	Pakpattan	★	Chief Executive Officer, District Education Authority Pakpattan	Mar-17 Mar-18
Resident Supervision Provision of Missing Facilities and Reconstruction of Dilapidated School Buildings	Toba Tek Singh	★	Chief Executive Officer, District Education Authority Toba Tek Singh	Mar-17 Mar-18
Resident Consultant Supervision of Re-Construction of Dangerous / Dilapidated School Buildings / Provision of Missing Facilities	Chiniot	★	District Officer (Buildings), Chiniot	Dec-16 Dec-17
Resident Consultant Supervision of Reconstruction of Already Demolished Dangerous and Provision of Missing Facilities in School Buildings	Nankana Sahib	★	District Officer (Buildings), Office of the District Officer (Buildings), Nankana Sahib.	Dec-16 Dec-17

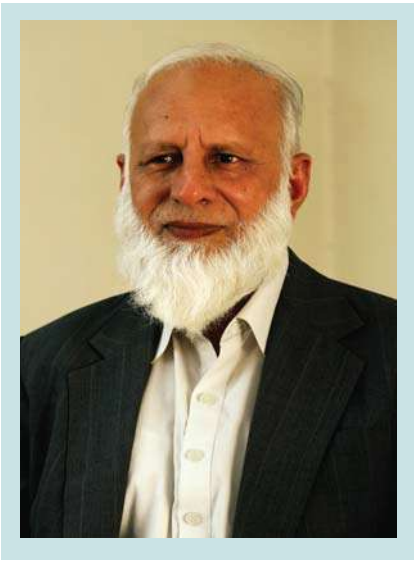
BUILDINGS

Project	*Location*	*Services*	*Client*	*Duration*
Resident Consultant Supervision of Dangerous School Buildings at various Locations of Nankana Sahib	Nankana Sahib	★	District Officer (Buildings), Office of the District Officer (Buildings), Nankana Sahib	Nov-15 Aug-16
"Design Vetting Services for Civil, Mechanical and Electrical Design by EPC Contractor and Monthly Milestones Bill Verification"	Jarranwala Road Faisalabad	★	Pakistan Aluminium Beverages (Cans (Pvt.) Ltd. Jarranwala Road Faisalabad	Aug-16 Jul-17
Planning, Design and Construction Supervision of 5-Storeyed Office Complex for Board of Intermediate and Secondary Education	Faisalabad	★	Board of Intermediate and Secondary Education, Faisalabad. LDA Plaza, 7 Court Street, Lahore.	Oct-99 Dec-04
11-Storeyed Commercial and Car Parking Plaza, Lahore	Shah Alami, Lahore	★	Lahore Development Authority, LDA Plaza, 7 Court Street, Lahore	Dec-98 Nov-01
Haveli Dhiyan Singh II & III for Girls College	Choona Mandi, Lahore	★	Lahore Development Authority, LDA Plaza, 7 Court Street, Lahore	Jan-99 Aug-01
Gold Crest High Rise Apartments 20 to 36 Storied	DHA Phase-II, Islamabad	★	Al-Ghurair Giga Pakistan (Pvt.) Ltd., 2nd Floor, Plot 90-W, Razia Sharif Plaza, Jinnah Avenue, Blue Area, Islamabad.	Dec-05 Dec-09

BUILDINGS

Project	*Location*	*Services*	*Client*	*Duration*
Divisional Public School for Girl's Branch	Township, Lahore	● ★	Divisional Public School, Model Town, Lahore	Jul-05 Dec-07
Extension works of Layyah Sugar Mills	Layyah	● ★	Layyah Sugar Mills (Pvt.) Ltd., Layyah	Feb-99 Dec-99
Administration Building, Water Supply and Sewerage System for 125 MW Saba Thermal Power Project	Sheikhupura	● ★	Babcock & Wilcox, USA	Mar-97 Feb-98
Construction of Beach Avenue Project (5-Storeyed, 572 Nos. Apartments)	Karachi	★	Lyari Development Authority, Karachi	Jun-98 Jun-01
Powerhouse Building (4 storey), Administration Building, Residential Colonies, Water Supply and Drainage Works, Internal Roads for 3x210 MW Oil Fired Thermal Power Station Project Jamshoro Unit 2,3&4	Jamshoro	★	Pakistan Water & Power Development Authority (WAPDA), The Mall, Lahore	May-87 May-92

Meet the Team



Dr. Ata-ur-Rehman Tariq

General Manager (Water Resources)

He has experience of more than 38 years in Water resource engineering on projects related to water supply, dams, irrigation and hydropower. As Head Water Resources he is working with PES as consultant detailed design, drawings, specifications planning and design support during construction for Pashdan Multipurpose Project, Herat Afghanistan, detailed design, drawings, specifications, planning and design support during construction Machalgho Multipurpose Project, for Paktia, Afghanistan , feasibility studies of 150 MW Patrind Hydropower Project.

Ali Mehdi

General Manger
Hydraulics / Hydropower

Mr. Ali Mehdi has more than 27 years of working experience. His primary field of expertise is in development of water resources and design of hydraulic structures. He has been actively been involved in the design of various low and high head hydropower schemes. Areas of main focus include layouts, hydraulic design of its various components including analysis of steady, unsteady and gradually varied flow analysis, power and energy studies etc. In addition to above, he has an extensive experience in construction supervision of various mega projects including Mangla Watershed Management Project, Simly Dam Project, Greater Thal Canal Project, Mangla Dam Raising Project and 48 MW Jaggran-II Hydropower Project.

Muhammad Rizwan Farid

Chief Engineer
(Hydrology/ Hydropower)

Has 22 years of experience in the field of hydrology and hydropower which includes hydrological analysis such as; water resources development and flood management, determination of water availability, estimation of catchment area, storage volume, flood analysis, flood routing, reservoir operation study, sediment simulation study etc. Assist and participate in layout planning, screening of alternatives, optimization of design discharge, power tunnel and estimation of power & energy of hydropower projects. Involved in the design of hydraulic structures such as weir, sandtrap, headrace tunnel, spillway and stilling basin etc.

Syed Muzammil Ali

Chief Engineer (Electrical)

He is Certified Professional Engineer in Electric Power Engineering and has been working with the company since 2007 in power plants and substations division. He possesses excellent professional experience in consultancy services covering design and construction of power plants of installed capacity raning from 17MW to 2400MW and substations of rating from 66kV up to 500kV, both AIS and GIS type.

Ali Khurram

Principal Engineer (Thermal)

He has more than 16 years of experience on preparation of feasibility study, preparation of broad & detailed specifications, preparation of tender documents, bid evaluation of EPC contractor(s), design review and construction supervision on the power projects. Working with PES as Principal Engineer his work includes, coal conversion project of HFO based lalpir power plant for Nishat power limited, detailed feasibility study for RLNG based combined cycle power plant Bin Qasim, detailed feasibility study for Imported coal cased thermal power plant Bin Qasim. He worked on current dependability capacity and heat rate tests of GENCO- I, II,III and K-Electric power plants.

Zia-ul-Haq

Head Business Development

With over three and a half decades of hands-on experience in marketing, promotion of business, engagement with business groups, with excellent interpersonal, motivational, and negotiation skills along with a charming personality and convincing abilities, he possesses the essential traits for effective leadership and relationship management.

His vast experience in working collaboratively with technical specialists has led to the development of Business relations with Renowned Multinational Consultancy firms' and diverse business groups around the Globe.

Omar Islam

Chief Engineer (Contracts)

He has 20 years of experience in planning and construction management / supervision of civil structures projects of various kind including dams, hydropower and buildings. His works involves Preparation of RFQs based upon project requirements, Sourcing of Contractors, Prequalification of Contractors, Floating inquiries and getting quotations from the Contractor, Negotiations with the Contractors and management's approvals, Preparation of Contract documents, Verification of Contractor's invoices, Processing of claims and vaiation orders of Contractors, Processing of final bills of Contractors and their final settlements.

Adnan Maqbool

Principal Engineer / Economist (Irrigation)

Fifteen (15) years of experience as an Irrigation Engineer with expertise of layout, alternatives design, project optimization,computation of irrigation water requirements, reservoir operation studies, crop budgets along with economic and financial analysis is also a part of working. Hydraulic design and construction supervision of irrigation network including hydraulic design of canal affiliated structures like canal regulators, falls, culverts, aqueducts, siphons, road bridges and foot bridges etc.

Yasir Haroon

Principal Engineer Hydrology

Has sixteen years of professional experience in the field of Hydrology and Irrigation. Which includes hydro meteorological analysis of watershed catchment and subbasins, define catchment characteristics using GIS Software, meteorological data investigation, Rainfall frequency analysis, water availability, river flows study , Flood estimation using flows frequency analysis and HEC-HMS Model , Sedimentation study and Reservoir Operational model study for the purpose of Hydropower projects, Irrigation Storage dams, Irrigation schemes, flood management and other relevant water resource sector projects.

Hashim Hanif

Principal Contract & Claims Engineer, PMP

He is PMP Certified Professional Engineer, MS Construction Engineering & Management from NUST, He is basically a Civil Engineer. He has 12 years of experience in Contract Management / Contract Administration in Hydropower / Dam Projects. Projects includes, Patrind Hydropower Project, (150MW), Golen Gol Hydropower Project, (106 MW), Shaghar-thang Hydropower Project (26MW), Karora Hydropower Project (11MW). He has an experience of Claims management and was involved in Amicable Settlements with leading Contractors of Pakistan. He has also dealt with ADB / AFD projects and has extensive experience in handling of projects with Donar Agency. He is well conversant with PPRA/PEC Byelaws. He is also involved in RFP Reparation and preparation of Consultancy Agreements.

Waqar Ahmed

Chief Civil Engineer

A Civil Engineer with a Master's in Geotechnical Engineering with 22 years of exceptional experience in dams and highway engineering, played a key role in diverse projects as Chief Engineer Design, also impressive track record includes conducting detailed feasibility studies, engineering designs, and execution plans for numerous large-scale dams and highways. My successful participation in World Bank and Asian Development Bank funded projects demonstrates my unwavering commitment to excellence, ensuring projects are executed successfully.

Played a key role in dam selection, geological and geochemical assessment of available construction materials for Embankment dams, Design of dam Embankment with settlement analysis. Additionally, I conduct structural stability checks against sliding and overturning for

Aurangzeb Irshad

Principal
Costing and Scheduling Engineer

He has forteen years of experience in rate analyses based on CSR, MRS, and/or similar projects and effectively incorporating significant factors like transportation, site-constraints, seasonal variation and international prices for special equipment within the unit rates. Proficient in detailed quantification of work / BOQ items for individual project components and preparing Engineer's estimates. Familiar with Quality Control procedures and execution of works according to Specifications. Extensive experience of estimation of quantities, rate analysis for determination of unit rates of items of work, prparation of project costs estimates and PC-1 Profoirma for Dams, Water Resources and Hydropower Projects.

CONTACT US

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Phase-V, D.H.A,
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