



EDITORIAL

Frontier Works Organization (FWO) has maintained an unwavering dedication to excellence for five decades, solidifying its position as a prominent leader in Pakistan's civil engineering sector. Through substantial contributions to the nation's development, with a track record of innovation and reliability, FWO continues to shape the future of infrastructure in Pakistan.

As a progressive development firm, it has successfully completed numerous large-scale projects in demanding environments, including the China-Pakistan Economic Corridor (CPEC) road network in Balochistan and significant projects in regions such as Punjab, Khyber Pakhtunkhwa, Sindh, and Gilgit Baltistan.

FWO has steadily grown, accumulating diverse technical experiences, financial muscle and corporate strategies to become a national indomitable outfit that has undertaken the construction of bridges, roads, tunnels, airfields, railway lines, and dams with irrigation setups, all across Pakistan. The dedication accompanied by sophisticated technology and machinery has enabled FWO to be trusted as the first choice of any client. Beyond the frontiers, the organization has also successfully undertaken construction projects in Kuwait, Afghanistan, Liberia (under the UN) and UAE.

The organization always remains committed to vision and mission with integrity and honesty and feels proud to cultivate the culture of quality works. Besides corporate projects, FWO has always promptly responded to all calamities and natural disasters, may it be earthquakes, seasonal floods, glacier avalanches and land sliding. With a sublime track record, FWO looks forward to greater challenges and stands better equipped and organized than ever before to meet them.

FWO's 57-year journey is a testament to its dedicated workforce, which has demonstrated competence in various infrastructure development domains. Despite the sacrifices made in service to the nation, FWO remains committed to achieving its goals and targets.

FRONTIER WORKS ORGANIZATION

CEO's MESSAGE

With 57 years of unwavering commitment, FWO has been a key player in the construction sector, our projects are not just constructions; they are integral parts of nation-building endeavors, contributing significantly to various projects that enhance the development of Pakistan. Our journey is marked by a commitment to excellence, innovation, and the pursuit of delivering unparalleled construction expertise.

FWO has successfully ventured into electricity transmission lines, water desalination plants, constructed branded and modular Main Service Areas on motorways, undertook vertical construction using 6D Building Information Modelling (BIM), Tunnelling Institute of Pakistan, developed full mineral exploration capability through its subsidiary company Degan Exploration Works and is currently in the process of implementing Video Tolling and Intelligent Transportation System across all motorways of Pakistan. FWO is actively constructing mega projects like the Diamer - Basha Dam and Jaggran-II Hydropower Project, which will generate significant hydroelectric power, extend the lifespan of existing dams.

As we reflect on our past achievements, it's inspiring to see how our work has left a lasting impact on the urban and rural landscapes we've touched. Our team's dedication, coupled with the utilization of cutting-edge technologies and efficient management, has propelled us to where we stand today. For us, every project is a testament to our dedication to advancing the infrastructure that fuels the progress of our country.

Our success in navigating these challenges is a testament to the strength of our vibrant and energetic workforce, the wealth of resources at our disposal, and our dedication to harnessing the latest construction technologies and management techniques. The trust bestowed upon us by the nation fuels our drive to be the leading infrastructure development company in Pakistan.

FWO reflects on five decades of dedication and sacrifice. As we pay tribute to the indomitable spirits who embraced martyrdom in the line of duty, our extensive expertise in civil engineering works propels us forward with confidence. Despite the challenges, we remain optimistic that our collective efforts, inspired by their selfless commitment, will yield continued success. Grateful for the blessings of Allah Almighty, we look ahead with determination and gratitude for the journey that lies ahead.

**RECENTLY
COMPLETED
PROJECTS**



Border Sustenance Market, Mand

Former PM Muhammad Shehbaz Sharif and Iranian President Seyyed Ebrahim Raisi jointly inaugurated the Mand Border Sustenance Market, constructed by FWO at the border crossing point on 18 May 2023. The market will provide a thriving platform for increasing cross border trade, fostering economy growth and opening up new avenues for local business



132 KV Transmission Line, Panjgur - Nag - Basima - Naal



Former Prime Minister Shehbaz Sharif inaugurated the 132 KV Transmission Line Project in Panjgur, connecting it to the National Grid on 18 May 2023. This project spans 286.5 km, enhancing electricity supply to South Balochistan for greater socio-economic development

Nigore – Suntsar Road, Gwadar, Balochistan



The 54 kilometers long road that connects various villages in District Gwadar has been successfully completed. This significant achievement has played a pivotal role in fostering prosperity among the local population and enhancing overall connectivity in the region

Gwadar Cantonment Road Network, Balochistan



This project is located next to New Gwadar International Airport. This cantonment would further enhance and improve the security of Gwadar. This will be the first proper Army Cantonment in Pakistan's coastal belt

Infrastructure Development of Sector - D, DHA, Peshawar



FWO commenced development works in DHA Peshawar, Sector - D in November 2021. Infrastructure development includes construction of roads, water and electric supplies, drainage and sewerage system. Work on the project has been completed in February 2023

**PROJECTS
NEAR
COMPLETION**



**Mamad Ghat - Khar - Timergara Road, Mohmand District,
Khyber Pakhtunkhwa**



Construction work on this 71-kilometers long road commenced on October 17, 2020, by FWO. The road is set to connect Bajaur, Mohmand, and Dir districts, significantly reducing travel time from Mamad Ghat to Dir from 3 to just 1 hour, providing enhanced convenience for locals

Nilore Residencia - Farash Town, Islamabad

The low-cost housing project is a significant initiative, involving the construction of 2400 apartments in the Capital City and covering an extensive area of 672 kanals. This endeavor aims to address housing needs and contribute to community development



Islamabad Expressway Project

Islamabad Expressway Project provides signal free link between Punjab and Islamabad. Project includes construction of Korang River Bridge, Railway Bridge and widening of existing roads



Chowkiwala - Chappar Road, Punjab



This 105 kilometers long road project connects South Punjab with main N-70 highway in Balochistan near Rakhni. The project will not only serve the under-privileged populace of Koh-e-Sulaiman area but also establish an alternative route between South Punjab and Balochistan

OTHER ONGOING PROJECTS



Diامر - Basha Dam, Gilgit Baltistan



This is a Joint Venture between FWO and Power China. Diامر - Basha Dam is a concrete-filled gravity dam situated in Gilgit Baltistan which was commenced in August 2020. It aims to produce 4500 megawatts of electricity through hydro-power generation which will extend the life of Tarbela Dam located downstream by 35 years. It will help controlling flood damage by the River Indus downstream during high floods. Moreover, it has created plenty of jobs for local people and ultimately contribute in enhancement of local livelihood. The project is expected to be completed by 2029

Kurram Tangi Dam, North Waziristan District, Khyber Pakhtunkhwa



The project is a component of the Federal Govt least-cost energy generation water storage development strategy. The strategy aims at improving the ratio of Hydel Electricity in the system to provide relief to the people in addition to developing water storage capacity for agriculture in the country. The Kurram Tangi Dam is located across Kaitu River (which more downstream becomes the Kurram River), about 14 kilometers upstream of Kurram Garhi Headworks and 32 kilometers north of Bannu City in KP

Dadhocha Dam, Islamabad



Project is awarded to FWO and construction has been started. Dadhocha Dam is an earth fill dam situated in Islamabad which was commenced on January 2021. It has a storage capacity of 60,000 acre-ft and will fulfill demand of twin cities of 35 MGD over its useful life of 65 years. It will help controlling flood damage by the long river downstream during high floods. Moreover, it has created plenty of jobs for local people and ultimately contribute in enhancement of local livelihood. The project is expected to be completed by 2026

River Training Works Along Sapphire Bay – RRUDP



Ravi Riverfront City is envisioned as a vibrant urban space in Lahore, offering residents a dynamic lifestyle with abundant opportunities, all while preserving the city's rich cultural heritage. The project aims to be a thriving hub where people can fully embrace life's possibilities. Additionally, the city's water needs will be substantially met, as the project's lake is set to provide 2 billion liters of clean water, fulfilling 50 percent of Lahore's water demand. Furthermore, the development is expected to generate numerous employment and business opportunities, contributing to the overall prosperity of the region

Jaggran - II Hydropower Project, Azad Jammu & Kashmir



Hydropower project, located near Line of Control, was started in October 2016 and will be completed by 2024. 48 megawatt energy will be added to the national grid after completion. FWO is providing number of jobs and improving the living standards of locals. Around 150 locals are trained/ specialized on tunnelling works during execution of this project

69 kilometers long Sialkot - Kharian motorway, planned to be constructed as a 4 lane access controlled facility will create numerous economic and social benefits, reducing travel time between industrial city Sialkot and Islamabad. The project is expected to be completed by 2024

Sialkot - Kharian Motorway



Lillah - Jhelum Dual Carriageway, Punjab



This 128 kilometers long road will establish link between M2 and N5 and also enhance socio - economic development of Chakwal, Khoshab, Mandi Bahauddin, Jhelum, Gujrat and Mirpur districts



Gujranwala - LSM Dual Carriageway

The Gujranwala - LSM Dual Carriageway links Lahore to Gujranwala via Sialkot Motorway. This 15 km long road with numerous bridges and structures to provide fastest mode of travelling. The purpose of this project is to reduce the travelling time from Lahore to Gujranwala by 35 minutes. Upon its completion, it will act as jewel in the crown of advance and smart system of motorways which would ultimately release burden from the adjacent roads of Gujranwala particularly GT road



Lahore Ring Road Southern Loop - III

The southern loop - III of Lahore Ring Road connects residential areas like Bahria Town and NFC-2, to Allama Iqbal International Airport. Additionally, it provides direct access from N-5 to the airport and Lahore Sialkot Motorway. The southern loop of Lahore Ring Road serves to alleviate urban traffic congestion, improving transportation within the city



Rawalpindi Ring Road

RRR spans from Grand Trunk (G.T) Road to the Motorway, encompassing a distance of 38.3 Km, from Baanth (GT Rd) to Thalian Interchange. It contains five interchanges: Baanth, Chakbeli Road, Khasala (Adyala Road), Chakri Road and Thalian Interchange (on the M-2 Islamabad - Lahore Motorway). It will significantly enhance traffic flow and reduce travel time, benefitting both commuters and businesses in Rawalpindi. Economic zones will be developed around the Ring Road providing a boost to economy and creating job and business opportunities



Hanzel Hydro Power Project

The Hanzel Hydropower Project, initiated in 2021. This Project will assist to mitigate existing electricity shortage for Gilgit Baltistan. It aims to produce 20 megawatts of power. It will foster socio-economic development in the region

NEW VENTURES



Green Pakistan Initiative



Pakistan government, in collaboration with the Pakistan Army and its subsidiary, FWO, is driving the Green Pakistan Initiative in Cholistan, Bahawalpur district. This project focuses on cultivating millions of previously uncultivated acres, using modern irrigation methods to bolster food security and advance towards a greener, more prosperous future



Border Fencing at KSA



In collaboration with the Kingdom of Saudi Arabia, FWO focuses on enhancing border security. This project encompasses the construction of a modern border fence, roads, and miscellaneous components. A dedicated FWO office will be established to streamline operations. The development of link roads will ensure seamless connectivity within the region. While detailed project specifics are confidential, we remain committed to transparency and successful project delivery

Tunnelling



FWO is one of the largest and leading inland organizations with capabilities for tunnel design and construction. The project of designing, constructing, and operating the Swat motorway twin-tube tunnels is a shining achievement. Currently, our dedicated teams are committed to delivering excellence at Diamer Basha Dam, Jaggran-II Hydro Power Project, Hanzel Hydro Power Project, and Tangir Hydro Power Project. To promote the culture of tunnelling in the country, especially urban tunnelling for the development of sustainable infrastructure, FWO took the initiative and established the Tunnelling Institute of Pakistan (TIP) in the heart of the capital city. TIP is the 6th of its kind facility in the world, a state-of-the-art facility center of excellence for R&D and local capacity building in the field of tunnelling, BIM, and UAV-based land surveying

Mining



Mineral Exploration & Development Organization (MEDO), a FWO subsidiary has achieved complete exploration and mining capabilities in base metals and dimension stones. MEDO possesses the capability of mineral exploration, open-pit mining, beneficiation, heap leaching and a complete range of laboratory testing services with highly qualified & experienced staff as well as state-of-the-art Geophysical, Geological & Drilling equipment

Information Technology

One Network – FWO's 'Video Tolling System' achieved global recognition at the Asian Technology Excellence Awards 2023, using high-resolution cameras and automated number plate recognition to eliminate physical toll booths, reducing congestion and enhancing toll collection efficiency on Motorways. One Network also introduced M-Tag Express Lanes on Motorways, which include express cabinets eliminating the need for toll booths and operators. With One Network's Express Lanes, commuters can experience a smoother and quicker journey, free from the usual delays and hassles



Tourism



FWO constructed and operationalized several Marco Polo Resorts in prime locations situated in Northern and Southern parts of Pakistan. FWO has identified potential locations for resorts and other tourist attractions, further promoting tourism sector while strengthening the economy

EDUCATION



Construction Technology Training Institute (CTTI)



Construction Technology Training Institute (CTTI) Islamabad has evolved with support from the Government of Japan (JICA) and Government of Korea (KOICA). This Institute offers three years Diploma programs in the fields of Mechanical Engineering Technology, Auto & Diesel Technology, Civil Engineering Technology, Quantity Surveyor Technology and Information & Communication Technology (ICT). In addition, CTTI is collaborating with various world's leading companies offering international standard certifications and Industry partnerships with Toyota Indus, Suzuki Pakistan, and ISUZU, plus amenities like hostels, sports grounds, and medical services, further enhancing the student experience

Army Public Schools & Colleges



In the realm of education, FWO proudly operates five distinguished institutes situated in different areas of Pakistan, collectively fostering the growth of around 8700 students. These educational institutions exemplify our commitment to holistic development, providing quality education and shaping the future leaders of tomorrow

Corporate Social Responsibility (CSR)



FWO has always fulfilled its Corporate Social Responsibilities with full determination and festivity. APS Schools & Colleges, Technical Training Institutions, Tree Plantations in different parts of the country under Clean & Green Motorways Initiative, establishment of Free Medical Camps, Trauma Centres along Motorways and desalination water plants are some of the examples where FWO is contributing in nation building under CSR

EVENTS & ACTIVITIES

Change of Command Ceremony



Major General Abdul Sami took over command of FWO from Major General Kamal Azfar, HI(M) in a ceremony held at Engineers Officers Mess, Rawalpindi. He also laid wreath at Yadgar-e-Shuhada and interacted with FWO Officers at Headquarter FWO



Pakistan Expo on Disaster Risk Reduction (PEDRR-23)



The National Disaster Risk Management Fund (NDRMF) has organized the country's first-ever three days Pakistan Expo on Disaster Risk Reduction (PEDRR-23) at Pak China Center, Islamabad, from 16 to 18 August 2023. Frontier Works Organization (FWO) has also participated in the expo by establishing its stall. Various delegations, dignitaries, and people from different walks of life visited FWO stall and appreciated FWO's role in nation building. Director General FWO, Major General Abdul Sami, attended the closing ceremony of the expo on 18 August 2023

Certificate Awarding Ceremony of Technical Short Courses for Students from Newly Merged Districts (NMDs) of Khyber Pakhtunkhwa (KP)



FWO, in collaboration with Frontier Corps KP (North) and HQ 9 Division, organized three-month courses for students from Newly Merged Districts (NMDs) of KP at CTTI, Islamabad. Training included Mining, Surveying, Health & Safety in Mining, Auto Mechanics, Electronics, AutoCAD, and Computer Operations. Free training, hostel, and meals were provided. The certificate award ceremony was held on 14 September 2023, attended by officials from Frontier Corps KP (North) and HQ 9 Division, recognizing the students' achievements and applauding CTTI's efforts

MOUs
&
AGREEMENTS



Signing Ceremony of Fuel Sup Contract 2023-24

Fuel Supply contract for fiscal year 2023 - 24 was signed between FWO and PSO. Under agreement, PSO will supply fuel to FWO setups across the country



