

Yemen

NESPAK IN

NESPAK started its consultancy operations in the Republic of Yemen in the late 80s by providing services for the Wadi Siham Project in 1988. The Company carried out almost five projects till the mid 90s when it had to discontinue its activities due to political unrest in the Republic. After a gap of about 10 years in July 2002, NESPAK resumed its operations in Yemen after the Company secured a construction supervision assignment with the Hadhramout University, Mukallah.

Realising business prospects in the Republic of Yemen and in order to target new projects more intensely, NESPAK established a Regional Office in Yemen's Capital, Sana'a, in October 2005.

During its entire stint of operations in Yemen, NESPAK secured a total of 15 projects worth US\$ 508 million in sectors related to water resources planning and design, irrigation, flood protection, construction management, technical assistance and construction of oil pipelines.

Portfolios of major projects carried out by NESPAK in the Republic of Yemen are given in the following pages.



Wadi Siham Project

Project Status: Completed in 1995
Scope of Services: Feasibility Study, Detailed Design, Tender Documentation, Construction Supervision
Project Cost: US\$ 25 million
Client: Tihama Development Authority, Ministry of Agriculture & Water Resources, Yemen



This project envisaged assessment of the existing water resources and the construction of two permanent diversion structures and allied canal networks across Wadi Siham, an important flood stream near the Hodeidah Port in Tihama Plain. Appurtenant works like the construction of 62 km long farm-to-market roads and agricultural extension services were also part of the project. Model studies for the diversion structures were carried out at the Punjab Irrigation Research Institute Nandipur, Pakistan. The project was jointly financed by the International Development Association and the Kuwait Fund for Arab Economic Development.

Wadi Al-Jawf Agricultural Development Project

Project Status: Completed in 1993
Scope of Services: Feasibility Study, Detailed Design, Tender Documentation
Project Cost: US\$ 36 million
Client: Eastern Region Agricultural Development Authority, Ministry of Agriculture & Water Resources, Yemen

This project was jointly financed by the International Development Association and the Arab Fund for Economic and Social Development. It was aimed at the overall improvement of the Wadi Al-Jawf area which lacked infrastructure facilities, particularly the feeder roads to transport agriculture produce to the market centres. The project involved planning & design of 25 km long gravel feeder roads and study of river morphology and planning & design of 4.5 km long wadi bank protection works to save Wadi Al-Jawf from erosion.

Wadi Mawr Project

Project Status: Completed in 1990
Scope of Services: Design Review
Project Cost: US\$ 59 million
Client: Tihama Development Authority, Ministry of Agriculture & Fisheries Resources

The Tihama Development Project-III was constructed in Wadi Mawr, one of Yemen's largest wadis, which crosses the Tihama Plain 100 kilometres north of the main port city of Hodeidah.

In order to implement Tihama-III Regional Agricultural Development Project, the Tihama Development Authority (TDA) executed a number of construction contracts but disputes arose between the Client and contractor. NESPAK was appointed by the TDA through a separate consultancy contract to act as engineer for rendering decisions on the disputes. NESPAK also prepared the project completion report on behalf of the TDA for submission to donors.



Gravity Canal for Marib Dam & Irrigation Project

Project Status: Completed in 1995
Scope of Services: Feasibility Study, Detailed Design, Tender Documentation
Project Cost: US\$ 5 million
Client: Eastern Region Agricultural Development Authority, Ministry of Agriculture & Water Resources, Yemen

The project comprised designing of a branch canal and the repair of the main canal. NESPAK carried out the designing of the branch canal off-taking the existing main BN Canal along with all the three associated structures. This project involved the design of off-take structure, irrigation outlets, road-bridge, emergency spillway and tail cluster.



The BN Canal (6.5 m³/s) of Wadi Saylah was damaged by floods at various locations of its 14 kilometres of length. Repair works were designed to restore earth embankment, concrete-lining and structures.

Al-Saleef Port Silos

Project Status: Completed in 2015
Scope of Services: Design Review, Construction Supervision
Project Cost: US\$ 32 million
Client: Yemen Economic Corporation, Yemen

Funded by the Islamic Development Bank, this grain terminal project comprised silos construction work, grain release system and testing & commissioning. The terminal has been designed to allow the ship unloading operation and transfer to silos through conveyors, bin-to-bin recirculation of the product and the reclaim from silos to truck loading/bagging buffer bin. The terminal consists of 10 commercial silos having capacity of 122130 cubic metres with an intake capacity up to 1000 MT/hour from two pneumatic ship unloaders at 500 MT/hour capacity each. The project area is situated about 75 kilometres north of the Al-Hodeidah Port towards Saudi Arabia's border.

Saudi German Hospital in Sana'a

Project Status: Completed in 2004
Scope of Services: Construction Supervision
Project Cost: US\$ 39 million
Client: Saudi German Hospital, Jeddah



This modern healthcare facility — the biggest private investment in Yemen's medical sector, is located in the country's Capital, Sana'a, near the city airport. The purpose of this 300-bed hospital project was to provide medical facilities for the people of Yemen in their own country, who had to spend a lot of money to travel abroad for treatment. The medical complex included hospital building, housing compound, a medical college and a nursing college. Spread over an area of 280000 square feet, the Saudi German Hospital has a total built-up area of 120000 square feet with the total height of 80 feet.

College of Engineering, University of Aden

Project Status: Completed in 2008
Scope of Services: Contract Administration, Construction Supervision
Project Cost: US\$ 15 million
Client: University of Aden, Yemen



NESPAK in association with the Techno Consultants provided services for the Faculty of Engineering, Aden University Project.

The project comprised 15 multi-storey buildings and related infrastructure works designed to incorporate modern requirements of an educational institute. The project covering a total area of 32000 sqm was located in Al-Shaab near the city of Aden, Republic of Yemen.



College of Engineering, Hadhramout University of Science & Technology, Mukallah

Project Status: Completed in 2005

Scope of Services: Contract Administration, Construction Supervision

Project Cost: US\$ 8 million

Client: Hadhramout University of Science & Technology, Yemen



NESPAK had won College of Engineering Project, Hadhramout University of Science & Technology, Mukallah, through competitive bidding between 11 international and local consulting firms. Located in Mukallah, the capital of Yemen's biggest province Hadhramout, the College of Engineering was the first institution built under the Hadhramout University of Science & Technology Master Plan. The College comprised buildings for five engineering faculties with a total covered area of 23000 sqm. The buildings were designed as reinforced concrete framed structures and Jordanian specifications were used for façade.

College of Medicine, Hadhramout University of Science & Technology, Mukallah

Project Status: Completed in 2005

Scope of Services: Contract Administration, Construction Supervision

Project Cost: US\$ 5 million

Client: Hadhramout University of Science & Technology, Yemen

In appreciation of its consultancy services for the College of Engineering Project, the Hadhramout University of Science & Technology awarded NESPAK the contract for the College of Medicine Project.



The project comprised separate buildings for faculties including fundamental medical sciences and preliminary medical sciences covering an area of 10000 sqm. The buildings were designed as reinforced concrete framed structures while local stone was used for the façade using Jordanian specifications.



Mokha Port Development Programme

Project Status: Completed in 1993
Scope of Services: Feasibility Study, Project Planning, Detailed Design, Tender Documentation
Project Cost: US\$ 4 million
Client: Director General GCYP, Hodeidah Port Authority, Yemen

A NESPAK-led joint venture rendered consultancy services for this project which was aimed to develop the Port of Mokha to facilitate its operations. The Port of Mokha, which is situated to the south of the Hodeidah Port between Aden and Hodeidah, consisted of one 175 metres long and 35 metres wide berth allowing for vessels to anchor either side. This port has a total of four sheds and is limited in any cargo handling equipment; therefore, vessels calling at this port must have their own gear. There are no alongside bunker or fresh water facilities at this port although fresh water and diesel oil can be arranged in limited supply via road tankers.



Taiz Flood Control Project

Project Status: Completed in 1995
Scope of Services: Construction Supervision
Project Cost: US\$ 11 million
Client: Ministry of Housing & Urban Development, Yemen

The city of Taiz and its surroundings in Yemen's interior highlands suffered years of severe flash flooding. The objective of this project was to construct the structures to control the frequent floods and save the area of Taiz from the excessive damage caused by the deluges. NESPAK supervised the construction of this project which was awarded in 1992.

