

N E S P A K

Overseas Profile



NATIONAL ENGINEERING SERVICES PAKISTAN (PVT.) LIMITED

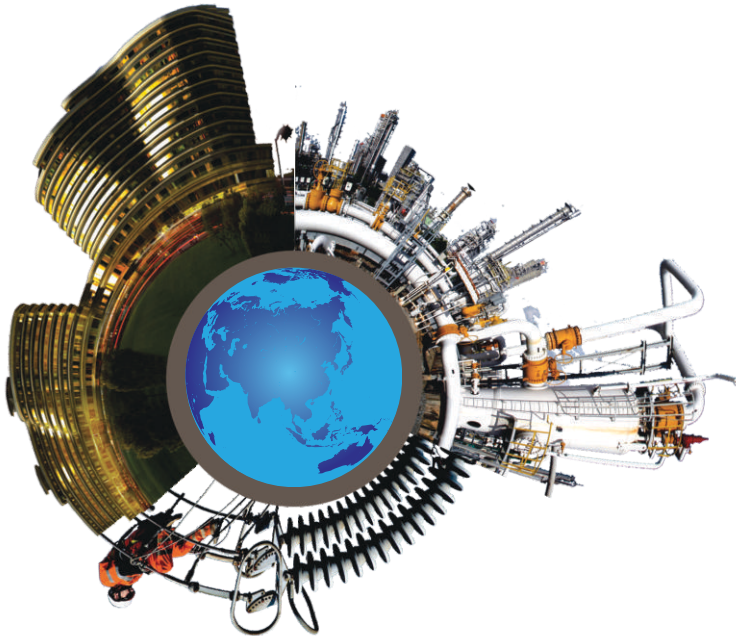
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Services

Appraisals, Pre-feasibility and Feasibility Studies

- ◆ Reconnaissance Studies
- ◆ Preliminary Investigations
- ◆ Development of Alternative Proposals
- ◆ Outline Designs and Cost Estimates
- ◆ Front End Engineering Design
- ◆ Technical and Economic Feasibility Studies
- ◆ Site Selection Studies
- ◆ Doability Studies



Surveys and Investigations

- ◆ Topographic Surveys and Mapping
- ◆ Geographical Information System
- ◆ Geotechnical and Soil Investigations
- ◆ Geological, Geophysical, Hydrological and Environmental Surveys
- ◆ Traffic Surveys
- ◆ Commercial Surveys
- ◆ Socio-economic Surveys
- ◆ Instrumentation and Monitoring

Design

- ◆ Design Vetting
- ◆ Preliminary Designs
- ◆ Model Tests

- ◆ Computer Simulations
- ◆ Detailed Designs and Specifications
- ◆ Detailed Drawings
- ◆ PC-1 & PC-2

Tender and Contract Documents

- ◆ Bill of Quantities, Technical Specifications, Cost Estimates and Schedules
- ◆ Tender Documents for Normal/EPC Contracts
- ◆ Pre-qualification of Contractors
- ◆ Evaluation of Tenders and Recommendations
- ◆ Contract Documents

Construction Supervision and Contract Management

- ◆ Project Management
- ◆ Contract Administration
- ◆ Progress Monitoring and Control
- ◆ Works Supervision and Quality Control
- ◆ Equipment Inspection and Commissioning
- ◆ Measurements
- ◆ Certification of Periodic Payments to Contractors

Post-construction Services

- ◆ Third Party Validation and Monitoring
- ◆ Completion Reports
- ◆ Operation and Maintenance Manuals
- ◆ Routine Maintenance and Safety Inspections
- ◆ Retrofitting and Rehabilitation
- ◆ Conservation of Structures
- ◆ Performance Monitoring

Specialised Services

- ◆ Institutional Strengthening and Capacity Building
- ◆ Tourism Planning
- ◆ Inspection of Dams and Barrages
- ◆ Development of Building Codes
- ◆ Asset Valuation
- ◆ Services for Public-Private Partnership and BOT Projects
- ◆ Trainings
- ◆ Building Codes
- ◆ Landslide Study and Mitigation
- ◆ Deep Excavation Support
- ◆ Disaster Risk Reduction
- ◆ Disaster Risk Management

Fields of Activity

- ◆ Water Resources Planning, Drainage, Salinity Control and Land Reclamation, Dams and Barrages, Irrigation and Drainage Systems, Water Resources Development and Management, Flood Management and Forecasting/Warning Systems and Institutional and Social Development
- ◆ Power Transmission and Distribution, Substations, Hydropower, Thermal Power, Nuclear Power, Rural Electrification, Renewable Energy, Supervisory Control and Data Acquisition (SCADA) and Telecommunications, Oil and Gas
- ◆ Motorways, Highways, Urban Roads, Rural Roads, Grade-separated Interchanges, Bridges and Flyovers, Subways and Underpasses, Tunnels, Computer Generated Transport Modelling and Planning, Rapid Mass Transit System, Railways, 3D Animation of Highway Projects (Real-life Simulation), Steel Structure Design, Pedestrian Bridges, Bus Shelters and Intelligent Transport System (ITS) Arrangement for Operational Facility
- ◆ Geotechnical, Geo-environmental, Geohazards, Site Investigations, Geological Characterisation, Geophysical Surveys, Construction Materials & Minerals, Dams, Landslide Mitigation, Seismotectonic Studies, Seismic Risk Evaluation, Ground Improvement, Problematic Ground Mitigation and Deep Excavation Support Systems
- ◆ Airport Terminal Buildings, Hangars, Runways, Taxiways and Air Traffic Control Towers
- ◆ Deep Seaports, Fish Harbours, Marine Terminals, Container Terminals, Inland River Navigation and Marine Jetties
- ◆ Architectural and Engineering Design, Healthcare Buildings, Educational Buildings, High-rise Buildings, Corporate Office Buildings, Commercial and Community Buildings, Sports and Recreational Facilities, Industrial Buildings, Low-cost Housing, Residential Communities, Urban/Rural Planning, Slum Upgradation, Landscaping, Interior Design and Rehabilitation and Refurbishment Works
- ◆ Seismic Hazard Microzonation, Disaster Risk Reduction and Management Studies and Trainings, Implementation Strategies, Policy Formulation, Residential Communities, Advocacy Planning, Preparation of Zoning Regulations and Bye-laws, Tourism Planning, Regeneration and Building Codes, Landslide & Flood Hazard Assessment and Mitigation
- ◆ Water Supply, Sewerage, Stormwater Drainage, Solid Waste Management, Plumbing, Water and Wastewater Treatment
- ◆ Site Characterisation/Baseline Data for Environmental Impact Assessment, Environmental Risk Assessment, Environmental Planning and Management, Environmental Health and Safety, Air and Noise Pollution Control, Contaminated Site Assessment and Mitigation, Environmental Audit and Resettlement Action Plans
- ◆ Steel Mills, Automobile Plants, Cement Plants, Fertilizer Plants, Polyester Plants, Sugar Plants, Chemical Industrial Plants and Textile Units
- ◆ Business Process Re-engineering, Management Information System, IT and Software Development, Database Applications, Web Portals, Data Warehousing, Data Conversion, Networking and Data Centres, Satellite Imagery Processing, Digital Terrain Modelling, Global Positioning System (GPS) Survey, Remote Sensing, GIS Development and Map Digitisation
- ◆ Land Surveying, Cadastral Surveying, Hydrographic Survey, Geodetic Survey, Drone Survey, Monitoring Design and Supervision of Heating Ventilation and Air Conditioning (HVAC), Fire-fighting, Elevators, Escalators, Platform Screen Doors, Building Management Systems and Building Energy Audits
- ◆ Agriculture Development and Management, On-farm Water Management, High-efficiency Irrigation Systems, Soil and Water Conservation, Social and Environmental Institutional Development, Natural Resources Development (Aquatic Life Study, Monitoring and Evaluation Tasks, Horticulture/Floriculture Forestry, Rangeland Management, Livestock and Dairy Development and Wildlife Management) and Socio-economic Project Impact Evaluation

Overseas Experience



- ◆ Afghanistan
- ◆ Azerbaijan
- ◆ Bahrain
- ◆ Bangladesh
- ◆ Benin
- ◆ Cameroon
- ◆ Chad
- ◆ Comoros
- ◆ Dominica
- ◆ Ethiopia
- ◆ Gabon
- ◆ Gambia
- ◆ Ghana
- ◆ Guinea
- ◆ Iran
- ◆ Iraq
- ◆ Jordan
- ◆ Kazakhstan
- ◆ Kyrgyzstan
- ◆ Libya
- ◆ Nepal
- ◆ Nigeria
- ◆ Oman
- ◆ **Pakistan**
- ◆ Papua New Guinea
- ◆ Qatar
- ◆ Saudi Arabia
- ◆ Senegal
- ◆ Sierra Leone
- ◆ Somalia
- ◆ Sudan
- ◆ Syria
- ◆ Tajikistan
- ◆ Tanzania
- ◆ Thailand
- ◆ Turkiye
- ◆ Turkmenistan
- ◆ United Arab Emirates
- ◆ Uganda
- ◆ Uzbekistan
- ◆ Yemen

Quality Policy

We at NESPAK are committed to providing quality Design and Engineering Consultancy Services with professionalism and dedication to the complete satisfaction of our Clients. The quality of our services is sustained through enhancement of technical know-how and proficiency of our staff. We allocate adequate resources for project implementation and seek improvement through a continuous system of Monitoring and Evaluation.

AHSAN ANWAR
Acting Managing Director

Registrations

- ◆ Abu Dhabi Fund for Development
- ◆ Arab Bank for Economic Development in Africa
- ◆ Arab Fund for Economic and Social Development
- ◆ Asian Development Bank
- ◆ Canadian International Development Agency
- ◆ European Economic Community
- ◆ Federation of Consultants from Islamic Countries
- ◆ Food and Agriculture Organization
- ◆ International Development Association
- ◆ International Finance Corporation
- ◆ International Labour Organization
- ◆ Iraqi Fund for Foreign Development
- ◆ Islamic Development Bank
- ◆ Japan International Cooperation Agency
- ◆ Kuwait Fund for Arab Economic Development
- ◆ Overseas Development Administration
- ◆ The Saudi Fund for Development
- ◆ The World Bank
- ◆ United Nations Development Programme
- ◆ United Nations Industrial Development Organization
- ◆ United States Agency for International Development
- ◆ World Health Organization
- ◆ Association of Consulting Engineers Pakistan
- ◆ Pakistan Engineering Council, Islamabad
- ◆ The Lahore Chamber of Commerce and Industry
- ◆ Engineering Consultants Association of Pakistan
- ◆ Pakistan Institute of Management, Karachi
- ◆ National Centre of Technology Transfer, Technology Information Division, Islamabad

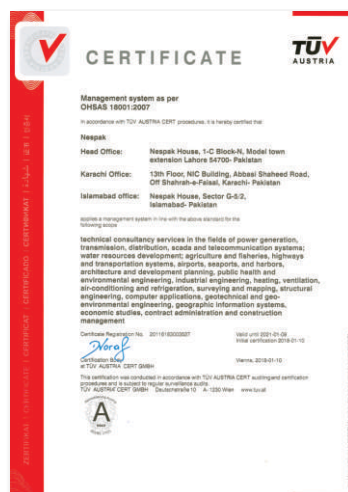
ISO Certification

In NESPAK, Quality Assurance is an area of high priority. The Company's success lies in the hard work of its highly skilled employees and commitment to quality in every aspect of its operations. It was this commitment that led it to become the first engineering consultancy organisation in Pakistan to obtain ISO 9001 Quality Management System certification in 1998. Another

milestone was achieved by NESPAK when it was issued the ISO 9001 Certificate at corporate level in 1999. The conversion of the ISO 9000 Quality Management System into the latest version of the Standard, viz, ISO 9001:2008 in December 2009 has put NESPAK Quality Management System on solid footings.



EN ISO 14001:2015



OHSAS 18001:2007



EN ISO 9001:2015

Company's Management



National Engineering Services Pakistan (Pvt.) Limited (NESPAK) is Pakistan's premier engineering consultancy organisation. Its international stature is well established and the Company enjoys the reputation of being one of the top engineering consultancy organisations in the world.

NESPAK was founded in 1973 as a private limited company by the Government of Pakistan. The objectives of its establishment were to create a pool of talented engineers, attain self-reliance in engineering consultancy and minimise the need for foreign consultancy in the country's engineering sector. The Company has achieved these objectives to a large extent.

NESPAK has evolved a flexible organisational structure suited to its specific needs. The affairs of the Company are guided by a Board of Directors including a Chairman, a full-time Managing Director and 7 Directors. The day-to-day functioning of the Company is looked after by the Managing Director, assisted by a Board of Management. Various divisions of the Company are broadly divided into the project management divisions and support divisions. Support divisions include the Finance Division and Corporate Affairs, Coordination & Human Resources Division. The project management divisions are cost centres responsible for the management of projects from conception to implementation stage. They work within approved budgets and are required to earn profits. Following are the project management divisions and support divisions of the Company:

Head Office, Lahore

Project Management Divisions

- ◆ Architecture and Planning
- ◆ Building Services
- ◆ Construction Management
- ◆ Contracts
- ◆ Economic Studies
- ◆ Environmental and Public Health Engineering
- ◆ Geotechnical and Geoenvironmental Engineering
- ◆ Highways and Transportation Engineering
- ◆ Monitoring and Quality Control
- ◆ Power and Mechanical
- ◆ Structural Engineering

- ◆ New Ventures
- ◆ Water and Agriculture
- ◆ Overseas

Support Divisions

- ◆ Finance
- ◆ Corporate Affairs, Coordination & Human Resources

Regional Office, Karachi

- ◆ Airports, Seaports and Industrial
- ◆ Architecture and Planning
- ◆ Infrastructure

Regional Office, Islamabad

- ◆ Architecture and Planning
- ◆ Civil Engineering
- ◆ Regional/Coordination
- ◆ Disaster Management Studies
- ◆ Disaster Risk Reduction
- ◆ Seismic Safe Structures

Regional Office, Peshawar

- ◆ Construction Management
- ◆ Coordination

Regional Office, Quetta

- ◆ Coordination

Overseas Offices

Besides operating in Pakistan, NESPAK has established its offices in the Kingdom of Saudi Arabia, Sultanate of Oman, State of Qatar and the Islamic Republic of Afghanistan, which are responsible for business promotion and project management in their respective areas. In all other countries, the business promotion and project management is handled by NESPAK offices in Pakistan.

Quality Management System

Each project management division is responsible for the quality of work being produced by it. Quality control is achieved by standardisation of work procedures and internal performance reviews. Excellence in quality and professional output is ensured through a well-defined Quality Management System (QMS).

Board of Directors

INDEPENDENT DIRECTORS

♦ Mr. Javaid Aslam	Chairman of the Board
♦ Mr. Muhammad Ali	Director
♦ Pir Saad Ahsanuddin	Director
♦ Mr. Omar Hassan	Director
♦ Ms. Shahana Ahmed Ali	Director

EX-OFFICIO MEMBERS

♦ Secretary, Ministry of Planning Development and Special Initiatives	Director
♦ Additional Secretary (III), Cabinet Division	Director
♦ Additional Secretary, Ministry of Communications	Director
♦ Mr. Ahsan Anwar	Acting Managing Director

Organisation Chart



Preface

"All progress takes place outside the comfort zone"

Michael John Bobak

Globalisation is the buzzword in the modern times. Going global has become a prerequisite for development as the world is getting smaller with each passing day. National Engineering Services Pakistan (NESPAK) believes in exploring new avenues as it has been a dynamic and action-oriented organisation since its very inception in 1973. Once it stood on its own feet in Pakistan and earned the top position among the engineering consultancy organisations in the country, it looked forward to greener pastures overseas for fresh business and growth. It came out of the comfort zone and started making efforts to secure jobs in the foreign lands. NESPAK endeavours bore fruit and the Company ventured into overseas business by acquiring a project titled Soba, Saminaka & Zonkwa Dams Water Supply Schemes in the Federal Republic of Nigeria in 1974.

Encouraged by the positive response it received from Clients in the international market, the Company set up its Regional Office in Muscat, the capital of the Sultanate of Oman, in 1980 and won Miscellaneous Jobs in Muscat Project. This followed the gradual opening of the Company's Regional Offices and the launching of many projects in various countries during the succeeding years.

Currently, NESPAK's Regional Offices in the Islamic Republic of Afghanistan, Sultanate of Oman, State of Qatar and the Kingdom of Saudi Arabia are contributing significantly to the growth and development of these countries in multifarious engineering projects and earning good name for Pakistan and NESPAK itself.

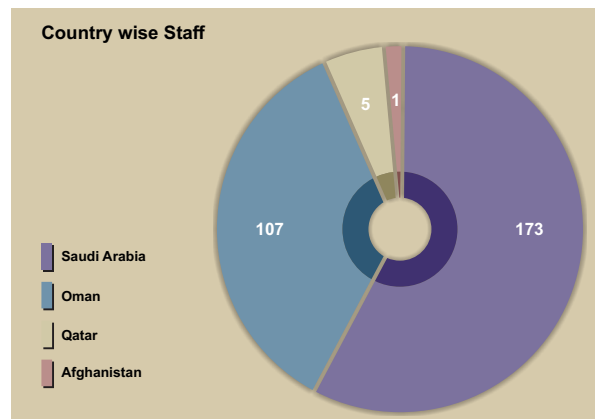
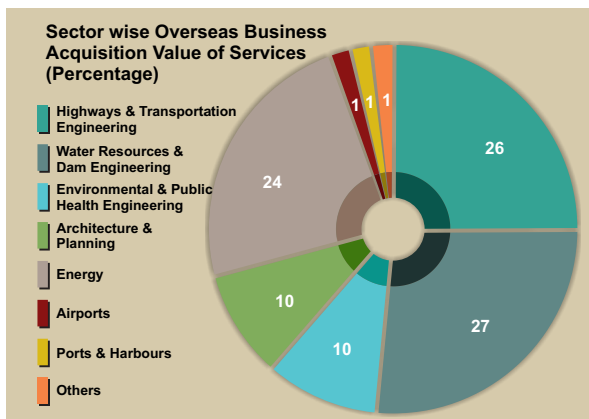
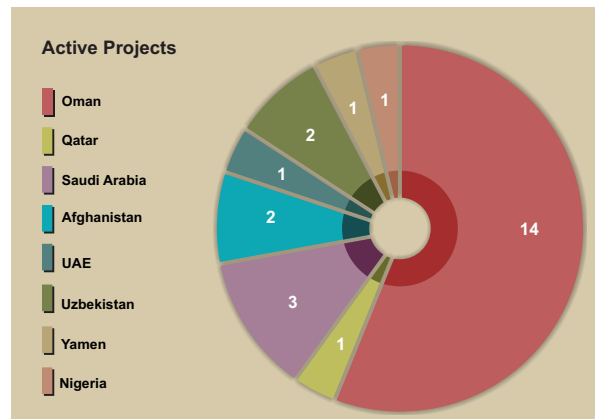
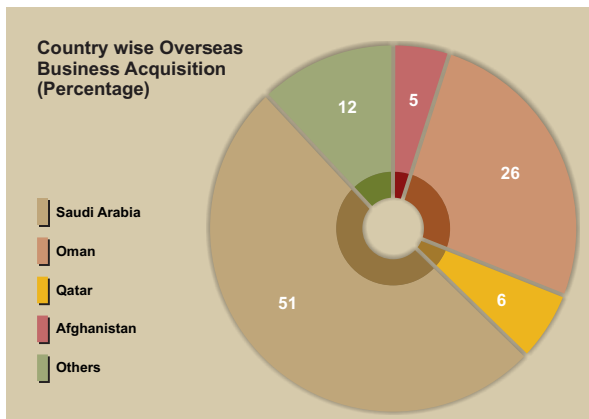
To manage the growing business operations abroad, NESPAK established an Overseas Division in 1977, which over the years, has become a key division and helps generate handsome revenue for the Company.

In a highly competitive international market, acquiring business is a gigantic task, but with dedication, commitment and invigorated participation of the staff, NESPAK has been able to increase its business abroad. Concerted efforts are also being made to explore business in Middle Eastern and African countries.

NESPAK has provided services for the overseas projects ranging from school and college buildings to dams and power projects in various foreign countries, making the best use of the knowledge and skills demonstrated by its unrivalled professionals. The Company has won and carried out many mega projects overseas which is a solid proof of NESPAK's outstanding performance overseas.

To date, NESPAK has undertaken almost 610 projects costing US\$ 49 billion in 40 foreign countries i.e., Afghanistan, Azerbaijan, Bahrain, Bangladesh, Benin, Cameroon, Chad, Comoros Island, Dominica, Ethiopia, Gabon, Gambia, Ghana, Guinea, Iraq, Iran, Jordan, Kazakhstan, Kyrgyzstan, Libya, Nepal, Nigeria, Oman, Papua New Guinea, Qatar, Saudi Arabia, Senegal,





Sierra Leone, Somalia, Sudan, Syria, Tajikistan, Tanzania, Thailand, Turkiye, Turkmenistan, Uzbekistan, the United Arab Emirates, Uganda and Yemen. Out of these, 585 projects have been completed while 25 are in progress.

NESPAK is vigorously pursuing the policy to win projects abroad. For this purpose, all the foreign regional offices have boosted their efforts to secure more business and maintain the trust of the Clients. In this regard, visits by the top-level management professionals to the overseas offices and meetings with potential clients and ambassadors of the respective countries aimed at seeking new projects are arranged from time to time.

NESPAK is well recognised on the international level and it has attained the reputation of being one of the topmost consultancy organisations of the world. It has been placed on the approved panel of consultants with over 17 international aid-giving agencies. NESPAK has carried out several projects for various donor agencies including the World Bank, Asian Development Bank, Islamic Development Bank, Canadian International Development Agency, Kuwait Fund for Arab Economic Development,

United Nations Food and Agriculture Organisation, United Nations Development Programme etc.

NESPAK is extremely passionate to meet the expectations of overseas Clients through available skills and technical experience, expertise, technology base, most appropriate design solutions and project management in various fields. The goal of NESPAK overseas is to become a global enterprise, delivering results through experience, commitment and determination.

NESPAK's future vision is based on its unflinching faith in the Almighty and unwavering commitment to growth and development as an independent organisation to make full use of opportunities and face challenges in the fast changing world.

AHSAN ANWAR
Acting Managing Director