NATIONAL DEVELOPMENT CONSULTANTS (PVT) LIMITED (NDC)

Rome was not built in a day is an adage that has ever been true about the development of Buildings as also in the case of other infrastructure in the life span of humanity. Eversince the creation of the universe by Almighty Allah or the Big Bang as the scientists call it, human beings have been constructing the legendary castle like abodes as those of the 'Samoods' of post 'Noha' Era by carving the hills or edifices like pyramids of Egypt pre-biblical times and the Taj and invincible forts of the Moghals or grand Gordoba Mosque of Spaniards of Islamic Civilization etc. All such monuments still in good and orderly state bear a testimony to the engineering feats where standards of quality control and assurance of yonder centuries ruled supreme.

National Development Consultants Pvt. Ltd. (NDC) is one of the Pakistan's premier consulting engineering organizations, which has attained international standard and is ranked among the Pakistan's top 5 consulting firms. It was established in 1977 and has been progressing successfully by the grace of Almighty ALLAH for the last 35 years. NDC was constituted with a view to providing par excellence and state-of-the-art consulting services for the development needs of the Country from conceptual planning to construction management, and operation and maintenance. NDC is an ISO 9001: 2008 certified company having professional, technical and administrative manpower of 500 employees and has completed more than 175 projects in various engineering disciplines.

NDC work both independently and in collaboration with other consulting houses in Pakistan and abroad in joint venture and consortia. Over the past several years the orbit of firm's activities has greatly widened. NDC is a legal entity (PEC Registered) and also registered with several multinational funding agencies. NDC is run by a highly qualified Board of Directors and has following fields of operation:

Hydropower/Energy

- Dams
- Hydropower Generation Plants
- Power Transmission & Distribution
- Sedimentation Studies
- Hydraulic Model Studies
- 3 Dimensional Computer Modeling
- Tunnel Excavation & Lining
- Turbines & Generators
- Tunnel Boring Machine
- Wind Energy Systems
- Petroleum/Gas Transmission Systems
- Instrumentation

Water Resources

- Reservoir Development
- Small Dams / Weirs

- Flood Control Management
- River Training Works
- Surface & Sub-surface/Groundwater Investigation
- Watershed & On-Farm Water Management

Irrigation & Drainage

- Barrages
- Irrigation Networks
- Canal Lining
- Drainage Works
- Control Structures
- Water Courses

Geo-Tech

- Foundation Engineering
- Slope Stability Analysis
- Seepage Analysis
- Groundwater Modeling
- Geological Investigations
- Geological Mapping
- Seismic Studies
- Rock Support Analysis
- Laboratory & Field Studies

Environment

- Municipal & Commercial Water Supply
- Sewerage Management
- Sanitation & Drainage
- Solid Waste Management
- Water & Wastewater Treatment & Disposal

- Environmental Impact Assessment (EIA) Studies
- Resettlement Action Plans
- Environmental Reconnaissance, Audit & Monitoring

Transportation

- Highways & Motorways
- Bridges & Flyovers
- Rural & Urban Roads

Buildings

- Architecture & Town Planning
- Master Planning
- Commercial Buildings & Complexes
- Hospitals
- Educational Institutions
- Interior Design & Landscaping
- Housing Schemes

Capacity Building

- On-the-job Training
- Training of Client's Personnel
- Internship Program
- Seminars & workshops

NDC provides specialized services in the following fields:

- Project Planning
- Site Survey & Reconnaissance
- Feasibility Studies
- Detailed Engineering Design
- Bill of Quantities & Cost Estimates
- Preparation of Engineering Specifications
- Preparation of Tender Documents
- Construction Supervision
- Management Consultancy

– Monitoring, Safety Inspections & Evaluations

Today, NDC has more than 200 projects on its roster, more than three dozen of which are ongoing. The aggregate capital value of the projects undertaken by NDC adds up to over $ 42 billion. Besides its operation in all provinces of Pakistan, NDC has now spread out even further in Sudan, Maldives, Saudi Arabia and Yemen.

In 2012, one major contribution of NDC to the national engineering profession has been the construction of NDC House - a six storey state of the art purpose built consultancy house having a covered area of 100,000 sqft. The NDC House has been designed and built to bring together more than 500 multi disciplinary engineering professionals under one roof in order to provide world class engineering services to its national and international clients. NDC's major clients include national and provincial governments, municipalities, autonomous bodies such as WAPDA, private organizations and international funding agencies such as the USAID, World Bank, Asian Development Bank and Islamic Development Bank.

In 2011, NDC won the United States Agency for International Development (USAID) multiple-award Indefinite Quantity Contract with a shared overall ceiling price of $ 120 million. NDC has been working as a USAID contractor to provide quick response professional Architectural & Engineering (A & E) technical services and oversight of USAID infrastructure projects and related engineering activities.

It is worth mentioning that NDC is one of Pakistan's top engineering consultancy company in Hydropower Sector. Some of the major projects in Dams and Hydropower sector in which NDC has been working are multi-billion dollar Neelum Jhelum Hydro-electric Project (969 MW), Diamer Basha Dam Project (4500 MW), Dasu Hydropower Project (4000 MW), Keyal Khwar Hydropower Project, High Head Hydropower Project comprising Allai Khwar, Duber Khwar & Khan Khwar projects, Jinnah Hydropower, Kotli Hydropower, Ghazi Barotha and Naltar Hydropower Projects etc.

In Irrigation & Water Resources Sectors, NDC has undertaken various important projects like i) Sukkur Barrage Rehabilitation & Modernization Project, ii) Taunsa Barrage Rehabilitation & Modernization Project, iii) Feasibility study of Punjab Barrages Project i.e, Taunsa, Khanki & Suleimanki, vi) Sehwan Barrage Complex, vii) Revamping and Rehabilitation of Irrigation and Drainage Systems in Sindh, viii) RBOD I & III Projects, ix) National Drainage Program Sindh, NWFP & Balochistan Components, x) Extension of Patfeeder Canal Project, xii) Kachhi Canal, xiii) Greater Thal Canal, xiv) Chashma Right Irrigation Projects CRBIP-II & III, xv) Pehur High Level Canal, xvi) Fordwah Eastern Sadiqia Drainage, xvi) Command Water Management Project etc

In Environment & Public Health Engineering Sector, NDC has undertaken various Projects of Water Supply & Sanitation Schemes spreading over many cities of Punjab. In Transportation Engineering Sector, NDC has undertaken various Road Sectors Development Projects, Highways Bridges in Punjab, NWFP & AJK.

In Architectural & Engineering Design Sector, NDC has recently undertaken; i) A&E Services for Assessment for Schools Rehabilitation in Sindh under USAID Pakistan, ii) Offices and Exhibition Centre Agriculture University, Faisalabad, iii) Neurosciences Institute of Lahore General Hospital and many Schools and Public Sector buildings.

International Projects undertaken by NDC include, i) Integrated Storm Water Management Plan for City of IBB Republic of Yemen, ii) Development Study on Water Supply and Sewerage for Atolls, Maldives, iii) Merowe Irrigation Project in Sudan and iv) Exporting Hydropower from CIS Countries to Arab Countries (A Project of Islamic Development Bank Jeddah) Saudi Arabia.