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DESIGNMEN AT A GLANCE

Year 2023

AtOU Islamabad



CIP for Karot HPP



Causway at Eighteen Islamabad



Agha Khan School at GB





Agha Khan Higher Secondary School Nasirabad



Polytechnic Institute Kotli AJK



Club at Capital Smart City Islamabad

ENGINEERING EXCELLENCE FOR A BETTER TOMORROW



Water



Energy



Buildings



Infrastructure



Environment

DESIGNMEN is a dynamic and fast growing assemblage of multi-dimensional engineering skills dedicated to the challenging task of development in the region. **Established in 1982**, it is geared to offer a very broad and varying range of engineering services to cater to individual or special demands, irrespective of the size of the project, on limited participation or total delivery system concept i.e., design stage to completion.

Our team is committed to manage the business with upmost responsibility and to always strive for better — be that reducing emissions, creating social value or diversifying our senior leadership and workforce.

We understand both the urgency of the challenges our society is facing and our responsibility to act in an impactful and enduring way. We're leading the change towards a more sustainable and equitable future, partnering with those who want to make a positive difference in the world.

We specialize in providing consulting services in the areas of **buildings, structures, physical and town planning, water resource engineering, energy, environment and construction management**.

This year Designmen has achieved success in getting significant number of projects in Public and Private Sectors as a planner, designer and Construction Manager creating job opportunities and playing its part for a sustainable development across the country.



This Year's Achievements 2023

Humanity is continuing to grow more urban around the world. Making cities more efficient, resilient, and enjoyable to live, has therefore become an increasingly important goal year after year. Designmen can grasp the urban ecosystem in all its complexity and diversity and helps design more sustainable neighborhoods, societies and cities by offering concrete planning solutions.

Continuing its legacy of commitment, hard work and focus towards its work, Designmen's business development team along with its associates develop a steady stream of proposals, keeping Designmen at the forefront of the market. Designmen participated in number of proposals in both public and private sectors. Out of these, Designmen was technically qualified for over 20 projects, some of which are:

- Feasibility study and preparation of PC-1 for establishment of OPF housing scheme at Rawat Rawalpindi on engineering procurement and construction (EPC) basis.
- Consultancy services for construction of NPF office building at plot# 29, sector e-8, phase-7, Hayatabad, Peshawar
- Design & engineering consultancy services for construction of new warehouse building at mol CPF.
- Traffic & transportation study for rehabilitation of railway line from Kohat to Thal, Parachinar to Kharlachi (160 km)
- Jamia mosque in block-D at Fazaia housing scheme -I, Lahore
- CFL - coronet foods (Pvt) limited
- Consultancy services for electrical design & architecture & interior design of new production line and worker utility block at CFL Hattar.
- DHA lake - phase-II-Bhaun
- Consultancy services for feasibility study for development of lake at sector c3 extension for water availability at DHA ph. II extension.
- Feasibility study for construction of RCC bridge from village Chamogarh to KKH & construction of RCC bridge from Jalalabad to KKH.
- FAB - Engineering consultancy services for design and supervision for the establishment of Islamabad monitoring station housing fab HQ's building (covered area 110,888 sft) at plot no.13 mauve area sector G- 8/1, Islamabad.
- Design consultancy services for retail village and its infrastructure at eighteen.
- Consultancy services for Naya Pakistan housing and development authority – NAPHDA
- Consultancy services for design of oleander sector main road bridge for crossing of oleander perennial nallah located at DHA valley.
- CDA - lehtar road.

- Upgradation of Kohsar University Murree
- Numl PQD: Consultancy services for NUML own funded & PSDP funded projects at main campus Islamabad & all regional campuses of NUML
- Master planning, detailed design and construction supervision for construction of apartment buildings for SCBAP at park road Islamabad (ref no. SCBAP/AB/PR/01/23)
- Construction of HHRD head office building in Islamabad
- Consultancy services for NUML projects (HEC & own funded) at main campus Islamabad, regional campuses and new proposed campuses (in future) with Detailed/ Top Supervision on Project-To-Project Requirement Basis.

NEW PROJECTS IN 2023

- FAB - Engineering consultancy services for design and supervision for the establishment of Islamabad monitoring station housing fab HQ's building (covered area 110,888 sft) at plot no.13 mauve area sector G- 8/1, Islamabad.
- DHA lake - phase-II-Bhaun: Consultancy services for feasibility study for development of lake at sector c3 extension for water availability at DHA ph. II extension.
- Consultancy services for Naya Pakistan housing and development authority – NAPHA.
- Consultancy services for design of oleander sector main road bridge for Crossing of oleander perennial nallah located at DHA valley.
- Consultancy services for NUML projects (HEC & own funded) at main campus Islamabad, regional campuses and new proposed campuses (in future) with Detailed/ Top Supervision on Project-To-Project Requirement Basis.
- Dasu Design Services 600 KW Hydropower facility at Uthoor.
- Consultancy Services for Shelter Relief Program of HHRD.
- Consultancy Services for Design and Supervision of HHRD model villages in Rajanpur.
- Aaghoosh Complex Al-Khidmat Foundation at Islamabad.
- Extension of academic block, pharmacy block, auditorium, reception & parking shed at Iqra university Islamabad.
- Vetting of infrastructure engineering design for Gulberg Greens farm housing scheme, zone-IV, Islamabad.

RESEARCH & DEVELOPMENT (R&D)

This year Designmen Consulting Engineers (Pvt) Ltd., Islamabad published a research paper on **"Optimal Design of Box Composting Plant: A Case Study of Pakistan"** in the research journal **"Sustainable Structures and Materials, Vol. 6, No. 1, (2023) 84-87"**

The Abstract of the research paper states:

"In this research, a feasible design framework has been developed in order to design a box composting facility. Box composting technique is potentially a sustainable method to deal with solid waste management issues. Three different existing composting facilities in the different provinces of Pakistan have been studied to investigate the duration of composting under different weather conditions and therefore baseline durations for composting against the varying climate of different regions in Pakistan have been established. The data validated that the duration of the composting decreases with the increase in temperature. Moreover, a design framework that incorporates the weather conditions, as well as the density of waste, has been presented to calculate the sizes of composting and maturing boxes. A numerical design example has been successfully solved by assuming the data which proved the feasibility of the developed framework to design the compost facility as per any given requirements."



300 MW Warsak Hydropower Project

NUMBERS AND MILESTONES

- 15+** Projects were technically qualified by Designmen
- 10+** New Major Projects Awarded
- 120+** Designmen Employees
- 20+** Students & Fresh Graduates were trained

IN HOUSE TRAININGS:

Designmen realizes the importance of capacity building for its employees therefore in order to equip its employees with the latest skills and technologies, Designmen conducted inhouse training sessions for its employees on the topics of “Building Information Modeling” (BIM) and ArcGIS.

