



ENGINEERING DESIGN BUREAU
Consulting Engineers, Planners & Architects

TECHNICAL INSTALLATION & Survey

Overview

Engineering Design Bureau carry's out all civil consultancy regarding equipment installations. All work is done by collaborating with our approved sub-contractors, with whom we have developed close relations with over many years. We have considerable experience and a well-trained staff, which with the help of the latest technological advancements we are able, to accurately deduce line of sight, dish azimuth and other parameters of this engineering service. With significant experience in the field we have been able to provide our client with top notch service.

EDB is certified with ISO9001, ISO14001 & OHSAS18001. We are attaching EDB company profile for your kind perusal. Over last few years, EDB as widened its field of activity. EDB has started giving services to its clients in the field of LOS survey, RF survey, MW survey, Sweep test, TI installation and drive test. EDB has undertaken various projects and completed for all accomplished operators in Pakistan, they are as follows:

1. Telenor
2. Ufone
3. ZONG (CMPAK)
4. Jazz (Mobilink)
5. WARID



(a) Telecom Site Tower



(b) Field engineer wearing Safety Kit



(c) Rooftop Telecom Site

List of Services EDB Provides

EDB offers a full range of services which includes the following:

1. Site As-Built Survey:

An As-built survey builds upon the base map of a project and includes research at local agencies, ground-level topography data, and the documentation of visible site improvements. The advantage of this survey is that the new Base Map can be updated to show the current conditions of the site. EDB provides As-built site surveys and also provides drawings of the site as well.

2. Site Survey:

Site surveys are inspections of an area where work is proposed. Survey of telecom site is conducted by EDB's field surveyor to collect existing information which includes RF and transmission (TXN) equipment information, electric and power info and site surroundings info as well. The surveyor also collects info related to civil such as structure info (tower height, ODU pad info, etc.) and also draws a layout of site.

3. Equipment Installation Proposal:

EDB's telecom engineers provide detailed proposal plan before the equipment is installed on the telecom site. This includes but is not limited to transportation, electric and power, timeline, removal of equipment already installed, etc.

4. Installation Supervision:

EDB's telecom engineer will be present at the site supervising the entire equipment installation process from A to Z which includes but is not limited to checking the equipment arrived on site to removal of equipment already installed to installation of new equipment as well as packing of removed equipment.

5. Miscellaneous Services:

In-addition to the services listed above we also provide engineering dispute adjudication services, tender analysis and other services which are not considered as a part of the engineering field. This

also includes but is not limited to transportation of equipment to and from site or any destination, moving and storing packed equipment in warehouse for safe keeping.

Designing & Supervision by EDB

Based on testing and analysis EDB's expert engineers provide designs as well as supervision services in the following areas as per client's needs:

- Structure design
- Architecture design
- Public Health
- HVSE
- Electrical design
- Fire Fighting
- Site 3D Modeling
- Equipment Installation and testing Supervision.

Result Output

Any of the outputs mentioned below can be provided depending of the scope and specifications as per client's requirements:

- Extensive, customizable output reports, viewable directly in Microsoft Word or Microsoft Word Viewer
- Finite Element Analysis results for detailed solution diagnostics
- DXF export of model geometry.
- Structure Feasibility report.
- Structure Stability certificate.

For more information call on our landline given below:

- Lahore, Head Office (HQ): +92-42-35169798, +92-42-35177494
- Karachi, Regional Office (South): +92-21-3-4556128
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