



ENGINEERING DESIGN BUREAU
Consulting Engineers, Planners & Architects

RADIO FREQUENCY & Microwave Services

Overview

Engineering Design Bureau is capable to provide expert consultancy services in the field of Microwave, Radio Frequency, Solar Cell/Panel and Telecommunication Implementation. In working with nearly every telecommunication provider, we have gained considerable experience in all radio and microwave services. EDB is certified with ISO9001, ISO14001 & OHSAS18001. For more information on radio frequency and microwave services EDB's company profile is available online for your kind perusal.



(a) Greenfield BSS Site



(b) RRU's attached to Shelter



(c) Optic Cables

Services & Specifications

List of Services EDB Provides

The scopes of services offered are:

1. RF and Transmission (TXN) Surveys:

Visit the Site and conduct a detail analysis according to technical Criteria and Provide reasonable solution. Survey including but not limited to Antenna Height and Azimuth, RRU Height, Feeder/Fiber Cable length and its route, Power Distribution details, etc.

EDB has capacity to performed both the basic and advance level Line of Sight survey by using the methods (Mirror Test, Balloon Test, Flash Test & Path survey) with the help of Path Loss tool.

2. RF and Transmission (TXN) Equipment Implementation:

Deployment of 2G/3G/4G on site but no limited to installation of BBU with Cabinet, Power System installation, Power cable connection and laying, RF Antenna Installation, RRU Installation, RF Feeder/Fiber Cable Installation, MW Antenna Installation (0+1), (1+1), 0.3, 0.6, 0.9, 1.2, 1.8 (XPIC & SD), Site Configuration and Commission, Site acceptance procedures.

3. Site Survey for Solar and Electric power:

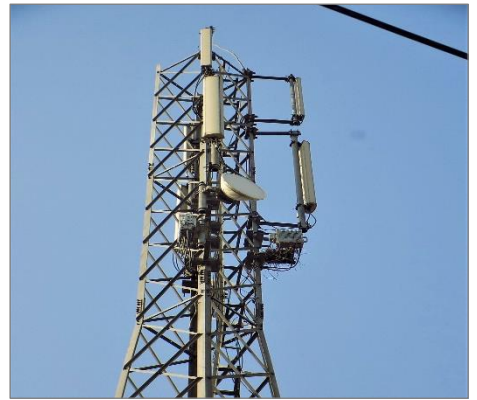
Survey including but not limited to Metrological wind speed (Base Period), Complete site layout with the obstruction information with respect to shadow, Detailed site power sources information such as transformer, DG, fuel tank and their capacity, electric supply company and site power consumption details.



(d) Microwave Antenna



(e) RRU



(f) RF and Microwave Antenna

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

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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