

KCN

Telecommunications

(Pvt) Ltd.

Company Profile

We lead to be a better tomorrow

KCN Telecommunication (Pvt) Ltd.

Office NO # 4, First Floor, Ahmed Centre. I-8 Markez Islamabad

Tel: 0092-51- 4101778 / Fax 0092-51-4101785

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Prepared by:

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Senior Project Manager

KCN Telecommunication (Pvt) Ltd.



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Message from the Chief Executive Officer

On behalf of KCN Telecommunication (Pvt) Ltd. It is pleasure to extend my gratitude and appreciations to the KCN Company's business customers and associations who have been practically contributing to the dynamic growth and development of the company's operations and making KCN a prospective organization.

In the millennium the mission of the KCN Company's is to serve the need of our respected clients by promoting the best quality of productivity in trading, contracting and operational services. Maintain study and challenging growth with competitive position and implementing the highest technological advancement available to the KCN Company.

KCN Telecommunication (Pvt) Ltd. its success is based on the principles, integrity and commitment. The foundation is built upon reputations. The concise profile will give a brief outlines into diversified activities of the company.

We pledge to monitor our performance as an ongoing activity strives for continuous improvement.

*Mohammad Bashir Khan
Chief Executive officer*





SECURITIES AND EXCHANGE COMMISSION OF PAKISTAN

Company Registration Office

Islamabad

CERTIFICATE OF INCORPORATION

[Under Section 32 of the Companies Ordinance, 1984 (XLVII of 1984)]

Corporate Universal Identification No. 0075470

I hereby certify that KCN TELECOMMUNICATIONS (PRIVATE) LIMITED is this day incorporated under the Companies Ordinance, 1984 (XLVII of 1984) and that the company is limited by shares.

Given under my hand at Islamabad this Sixth day of April, Two Thousand and Eleven.

Fee Rs. 187,000/-

SECP

(Abid A. Abid)

Deputy Registrar of Companies



No. JRI 1256
Dated 6-4-11

CERTIFICATE OF REGISTRATION



KCN TELECOMMUNICATIONS (PVT.) LIMITED
OFFICE # 04, 1ST FLOOR, AHMAD CENTRE, I-8 MARKAZ,
ISLAMABAD - PAKISTAN

American Global Standards, LLC issues this certificate to the firm named above, having assessed and approved the firm's Quality Management System and finding the system conforms to the standards of:

ISO 9001:2008

The Quality Management System is applicable to the following:

Provide Engineering Services for Turnkey wire line and wireless Telecom Networks Development & Optimization, Engineering Services for Marine Electrical & Combat System Connectorization Works on Vessels, Provisioning of Solar Power Plants & Managed Services (Operations & Field Maintenance Services). Provide Services for the Complete Life Cycle of the Telecom Networks and Marine Electrical Components On Vessels. Including Planning, Projects Management, Project Execution, Supply Of Hardware & Installation Materials & Network Managed Services.

This approval is subject to the firm maintaining its system to the required standards, which will be than the firm named above, and then only in accordance with the agreed upon Quality System Assessment Agreement.

Certification Number: AGS-P/12026-Q
Original Approval: May 21, 2012
Date of Issue: May 21, 2012
Date of Expiration: May 20, 2015



For and on Behalf of American Global Standards, LLC

USA Office: 1187 Coast Village Road, Suite 495, Montecito, CA 93108 USA
Tel: 617-838-4648
www.americanglobal.org ♦ info@americanglobal.org



CERTIFICATE OF REGISTRATION



KCN TELECOMMUNICATIONS (PVT.) LIMITED
OFFICE # 04, 1ST FLOOR, AHMAD CENTRE, I-8 MARKAZ,
ISLAMABAD - PAKISTAN

*American Global Standards, LLC (AGS) issues this certificate to the firm named above,
Having assessed and approved the firm's Environmental Management System and finding the
system conforms to the standards of:*

ISO 14001:2004

The Environmental Management System is applicable to the following:

Provide Engineering Services for Turnkey wire line and wireless Telecom Networks Development & Optimization, Engineering Services for Marine Electrical & Combat System Connectorization Works on Vessels, Provisioning of Solar Power Plants & Managed Services (Operations & Field Maintenance Services). Provide Services for the Complete Life Cycle of the Telecom Networks and Marine Electrical Components On Vessels. Including Planning, Projects Management, Project Execution, Supply Of Hardware & Installation Materials & Network Managed Services.

This approval is subject to the firm maintaining its system to the required standards, which will be monitored by AGS. In the issuance of this certificate, AGS assumes no liability to any party other than the firm named above, and then only in accordance with the agreed upon Environmental System Assessment Agreement.

Certification Number: AGS-P.12026-E
Original Approval: May 21, 2012
Date of Issue: May 21, 2012
Date of Expiration: May 20, 2015

For and On Behalf of American Global Standards, LLC



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Introduction:



KCN Telecommunication (Pvt) Ltd. Providing Multiservices in the field of Telecommunication (GSM, WiMax, OSP, ISP, FTTH, FTTX, FTTB, FTTC, FOC & MSAN) and Industrial, Security Surveillance Electronics & Communication Operation & Maintenance projects & Supplying of skilled & Professional manpower and heavy and electronics and telecommunication equipment according to the present requirement of industrials, constructions and Telecommunication Projects.

*KCN Telecommunication (Pvt) Ltd was founded in 1995 is purely Pakistani National Company established 18 years had been ago in field of Telecommunications constructions activities infrastructures CR No: **0075470** its corporate head office situated in Islamabad Pakistan.*

KCN Telecommunication (Pvt) Ltd with its vibrant integral units is bringing International standards with local competencies. Its vision of achieving performance excellence and creating standards is pushing the limits each time and paving way for more exciting things across the globe. With its fast growth in diverse industries viz. Telecom, Transmission & Distribution, Special Structures and International Business Operations it is moving in the right direction to capture the global market.

With the promise shown already, KCN Telecommunication (Pvt) Ltd. is sure of joining some big names in the market in its pursuit of excellence in the near future.

*KCN Telecommunication (Pvt) Ltd. is purely Pakistani National Company established 18 years ago in the field of Telecommunication constructions infrastructures dated on **6th April, 2011 – CR #: 0075470***

Our corporate image demonstrates our commitment to high quality of productivity in contracting services entirely for customer's satisfaction. By leveraging the entire depth of our resources and industry and industry expertise, we are now able to meet the growing needs of our customers which propel us in our mission to supply better products and comply with their needs in contracting services.

KCN Telecommunication (Pvt) Ltd. is purely Pakistani Nationals Services Company in contracting and trading services and diversified divisions with the capacity in various field like GSM TI / MW & Wi-Max telecom network, OSP, ISP, FTTH, FTTB, FTTX, FTTC & MSAN Network telecommunication and Low current Industrial and security Surveillance Electronics, Communication operation and maintenance Projects. KCN is a well known established company and is one of the very experienced in the field of Telecommunication contracting based in Pakistan and Middle East reputed for the highest professional standards of Industrious workmanship.

Our main object is to focus for the highest quality standard in the telecommunications construction infrastructures industry while not jeopardizing the customers and client's budget or projects on delivery targeted dates, with a very short sp, KCN. has Strong position in the market as amongst the reputed Contractors serving in the Pakistan and Middle East. Our full commitment to implement and execute all of our contracts to the highest standards and within the preset time has enabled us to become one of the most specialized company in the field of Telecommunication industry.

KCN Is working throughout in the Pakistan and Middle East and the company's employees are skilled workforce to meet with the challenging environment for present scenario of fast growing construction and telecommunication industries and industrial requirement.

KCN Provides fully experienced multinationals expatriates and indigenous management staff including Managers, Engineers and Technicians and skilled workers where ever it is possible since the beginning



Abstracts of KCN Telecommunication (Pvt) Ltd.

Project Management Department:

Our project management professionals deliver comprehensive project management services to owners, investors and users in commercial and residential properties. By exploiting the local market knowledge and experience combined with the use of the latest technology, our project management team provides on-time and on-budget performance resulting in major cost and time saving opportunities throughout the entire construction process. The team works closely with the clients to clearly understand and define roles, responsibilities and expectations for every phase of the project. Communication protocols and evaluation procedures are also defined and documented so that every party involved in the project knows exactly what to expect.

Our core project management service activities include:

- ❖ Budget preparations*
- ❖ Design review*
- ❖ Project evaluation and programming*
- ❖ Site analysis, feasibility and viability studies*
- ❖ Planning and design co-ordination*
- ❖ Construction ,Occupancy & co-ordination*
- ❖ Project closeout*



Engineering Department.

A group of professional design engineers are working on the state of art software like MBS to design and develop structures according to international design codes. Latest drafting packages are used such as Auto-CAD, 3D max graphics etc. The products designs and tailor design.

Planning Department.

The planning department of the KCN plays a vital role in planning and scheduling of incoming and ongoing projects. This also boosts up the company's performance. It forecast the distribution of on hand load and highlights when new projects are needed. The department controls the invoicing of furnished projects.

Quality Assurance / Quality Control

It is the fundamental objective of KCN for QA/ QC to build quality into all phases of its activities. KCN is committed to meet the specification, standards and customer satisfaction.

Research & Development Department.

KCN's R & D department helps the strategic drive of the organization through its research methods and engineering techniques. They provide necessary information for preparing new products with feasibility studies. They do technology upgrading process improvement for better productivity. They are also involved in the balancing exercise with planning department.

KCN is always striving for excellence through its innovative products, timely supply of effective and consistent customer relations and commitment. KCN is working throughout the Pakistan.

KCN Provides a complete engineering and contracting and consultancies services for (construction of multistory building, Electromechanical and Telecommunication, etc.) industrial installations and all electro-mechanical, sanitary, infrastructure services in commercial and public buildings.

This service includes design, procurement, installations, project management Testing and commissioning and maintenance, by maintaining of highest standard mechanism for Quality Control / Quality Assurance in Construction industries Engineering standard and satisfaction of reputed clients.

Our Mission

Our mission is to earn customer trust & satisfaction by providing with highly technical expertise and in time solutions. It allows us to extend our reach into the market and deliver best value to our customers. We provide a full range of professional services to assist Clients in both the governmental and private sectors towards the development, management and maintenance of their Projects. KCN has the strength and ability to support its customers entire Project implementation.

Our Goals

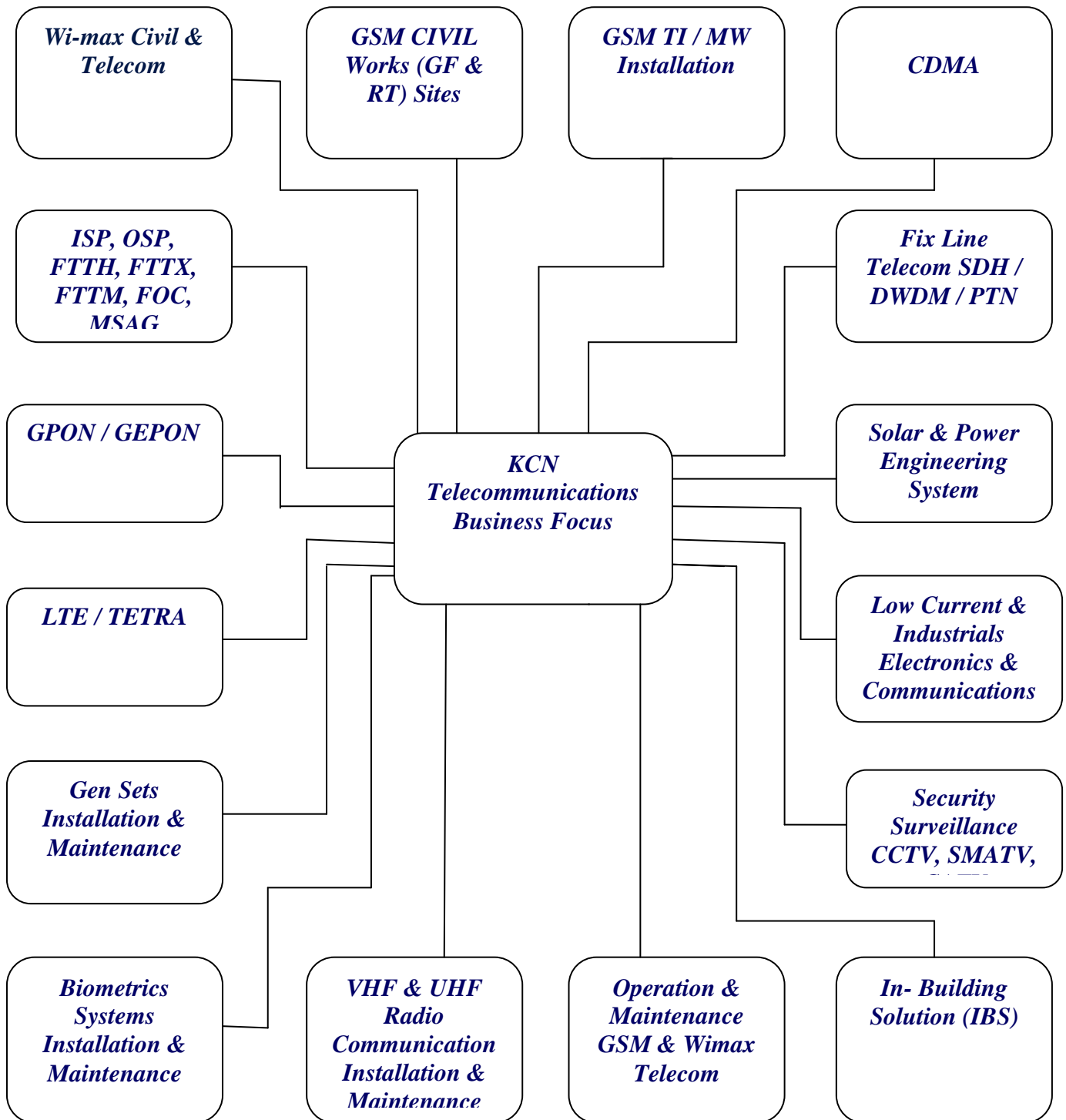
Our goal is to establish a trademark in construction industries and Telecommunication engineering sector by focusing on customers satisfaction. In addition KCN believes that the Telecommunications Construction industry is vital in the way our customers conduct/handle their business. Because of this, the quality of service is very significant to us. We are pleased to provide our customers the best results in time within the budget.

We are highly confident with our well-trained and motivated staff who are interested in providing the customers with the best services ever found in the market. Our expertise varies from the identification of initial requirements through the construction, maintenance & finishing of the projects



***GSM – WIMAX
Civil
& Telecom Section***

KCN Telecommunication (Pvt) Ltd



KCN Telecommunications (Pvt) Ltd. Organization chart

GSM – Wimax – Civil- Power & Telecommunication



KCN Telecommunications (Pvt)Ltd. Product / Service information

Civil works implementation.(PDIO)

- P.** *Plannig and conceptual design of telecommunication sites which bridging the gap between technical implementations and changes in business practices including analysis of sites and regulations as well as planning assistance and site acquisition.*
- D.** *Design, manufacturing , commissioning and supplyof all materials execution of relevant civil works telecommunications sites, Erection, provisioning and testing of equipment.Sites survey includeds-Sites structural design foundations , towers, shelters. Site preparation includes –towers supply & installation. Electrical works includes –power supply , Solar power systems installatios, rectifiers & back-up systems, generators supply and installation.*
- I.** *Implementation of –Base station installations, testing and commissioning and integration. Switching implementation includes , installations, testing, commissioning and integration.*
- O.** *Operation and general maintenance for fixed and GSM network, preventive and Corrective maintenance, intervention upon alarm alerts.*

Design and Construction

In today's competitive telecommunication market, operators need to play to their strengtrhs by concentrating on their core business and leaving specialized tasks to the specialists. This is especially true for the civil works phase of deploying a telecommunications infrastructure, since this phase is complex, as earl resource-intensive and risk-prone. In addition a successful significant rollout requires all the necessary preparations to be carried outas early as possible.

To meet this need , KCN Telecommunication(Pvt)Ltd. Offers civil works services as in-and outdoor –building solution based on telecommunication equipment. The civil works service is available as a stand-alone service.

Civil works is about designing and constructing network sites and readying them for the installation of networks equipment. KCN Telecommunication's civil works service provides a solution for the detailed design and construction of the required environment and surrounding infrastructure and for providing utilities for network equipment.

Serevic and Benefits

The civil works services is region-specific and accommodates local factors, such as local conditions and regulations, topography, geology , building code, environment , helth and safety regulations and infrastructure. The service leverages the competence and experience of third parties, including partners, consultants, contrctors and suppliers. KCN has the experience and knowledge of how to engage and manage external companies , contractors and suppliers within the civil works services area.

Benefits

KCN Telecommunication experience of rolling out networks and proven processes and tools guarantee efficient performance and high quality service. The civil works service provides.

- ✦ **A turnkey solutions:** The civil works services provides for the design and construction of telecom network sites.ready for installation of telecom equipment.*
- ✦ **Low cost and market adapted civil works:** Our country wide presence and knowledge of local conditions enable us, in cooperation with partners and local sub-contractors, to provide a market-adapted solution to fit with environmental , climatic and legislative conditions.*
- ✦ **Designed and constructed Quality Sites:** The civil works wervice provides the detailed design and construction of a network site to meet the requirements of the telecom equipment, the constructional requirements and local regulaltions.*
- ✦ **Meeting needs and minimizing costs:** KCN Telecommunication's expertise in implementing the civil works service in through out in Pakistan and middle East and applications of the highest quality workmanship and materials enables you to fulfill all your requirements including the coverage requirements and a minimized lifecycle cost.*
- ✦ **Short time to market:** KCN has the knowledge and competence to managing civil Works through out in the Pakistan and Middle East. Our established co-operation with leading companies means we can offer you a competitive advantage.*

Services in Telecommunication Sector

KCN Can install, maintain, and modify your existing & New Telecom Site. We are fully equipped with well qualified Engineers, Well Versed Representatives, Technicians and riggers. Those are fully skilled in the following GSM & Wi-max's Civil and Telecommunication works.

Site Designing.

We have experienced and skilled teams for site design, from site accusation to site survey Report, who know how to select the exact and suitable location for GSM sites, which can fulfill the requirements of installing new site without any hurdles from the residents of the locality, owner of the plots / buildings and Government Departments and can offer site design Service to our customers, from site accusation to Site Survey Report.

Tower Foundation.

We have skilled teams for tower foundation, consisting of civil engineers, surveyors, foremen, carpenters, steel fixers, masons, painters, Electricians and helpers amongst whom everyone is expert in his trade and everyone tries to do his job well. We also have all the tools required for tower foundation which are used to perform quality work and In-time completion of sites.

Tower Erection

*Our tower Erection teams are consisted of skilled and experienced team leaders and Riggers supervised by Safety Engineers who follow safety rules and are fully equipped with all the tools used for tower assembly, erection and safety to perform tower erection with safety, customers satisfaction **and in time** completion, following safety rules and regulations and are monitored by civil and safety engineers.*

Telecom Equipments Installation

We have qualified, skilled, well equipped and experienced engineers, Technicians, Riggers and electricians who have a wide experience in Saudi Arabia telecom field in installation, Configuration, integration and commissioning of different vendors' telecom / GSM and Power indoor and outdoor equipments.

Microwave, Installation, Commissioning & Alignment

Our skilled and qualified Engineers and Technicians (Riggers) are fully equipped with the knowledge of installation, commissioning and alignment of new microwaves/mini-link indoor/outdoor units.

Microwave Department for Products & Services

PTP Microwave Radios

PDH

SDH

Long Haul SDH

NMS

Nodal Solutions

RF Indoor department for Full Turn Key Solutions

Design & Consultancy

Walk Test

Indoor Active Solutions

Indoor Passive Solutions

Antennas & Accessories

Testing & Commissioning

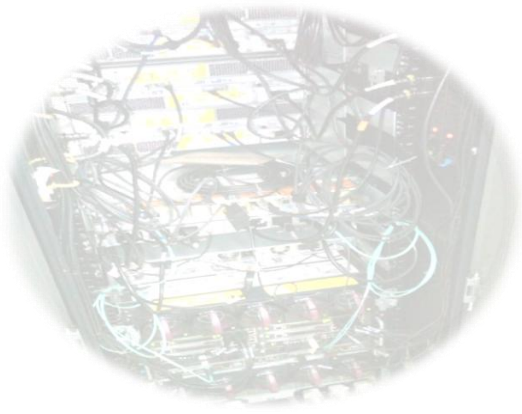
Optimization

Dismantling

Dismantling is one of the most important departments of the company, keeping in mind that with rapid changes in Telecom Technology, its important is obvious, as the GSM operators are frequently replacing new GSM equipments with old one and some of the old sites are completely dismantled. For this purpose we have special trained people who are equipped with necessary tools and knowledge and they are not only dismantlers but also good installers of the alternate equipments.

Tower Maintenance and Painting

With the passage of time as the users of mobiles are increasing, so the existing towers need to be equipped with some more accessories or need some parts to be changed, while as Pakistan is in the region, where Steel life is less than other part of the world due to salty atmosphere, so tower painting is one of the ways to make enlarge the life of the existing towers. We have trained and skilled people for these tasks, who know how to work in the sites which are on air and serving the users without disturbing the existing system.



Execution, Planning & Implementation strategy in Telecommunication Works:

Sites Acquisition.

- *Identifying optimal site locations. (Candidates).*
- *Site acquisition reports for each candidate which contains local zoning.*
- *Drawings, Pictures, narrative explanation of acquisition terms and site finding.*
- *Preliminary latitude and longitude and ground elevation of the site and location of Wapda and Generators and sorlar Power, access for approach to site and field sketch of the proposed site arrangement.*
- *Preparation of complete details of documentations for each site with pictures.*

Sites Permits

- *Obtaining of land and building occupation permits.*
- *Building Structural evaluation.*
- *Preparing and maintaining contract with local authorities throughout proper approval process.*
- *Preparation of complete specific documentations related to municipalities and regulatory agencies.*



Total Solution for GSM Civil & Telecom systems execution & Implementation.

- *Site detailed survey and foundation design.*
- *Preparation of engineering and construction drawings and site layout for Green Field and Rooftop Sites.*
- *Approvals from local municipal authorities.*
- *Preparation of Access road if required to reach at sites.*
- *Procurement and mobilization and supply and installation of infrastructure items like equipment Shelters, ACs, DGs, and Batteries, Rectifiers etc, materials and resources to the sites.*
- *Excavation for tower foundation.*
- *Customize of steel fabrication.*
- *Painting and assembling and erection of tower.*
- *Shelter and fence foundation.*
- *Generators and fuel tank foundation and Installation.*
- *Shelter and gantry posts and fence erection and installation.*
- *Liaisoning for power connection at the cell sites.*
- *Electrical power meter installation wall and indoor / outdoor electrical works including lighting conductor's installation and aviation light and complete Electricity Connection.*
- *Grounding and electrical connections.*
- *Final back filling and spreading of granular/ gravel.*
- *Finishing with final deck guard, plaster, painting and cleaning.*
- *Preparation of Sites for inspections and CPAT.*

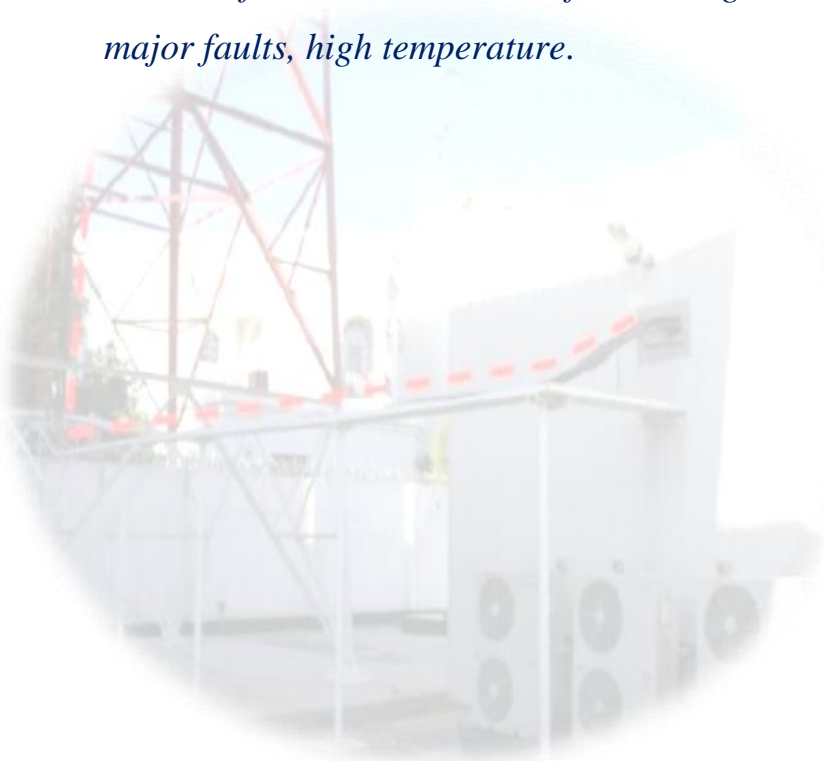
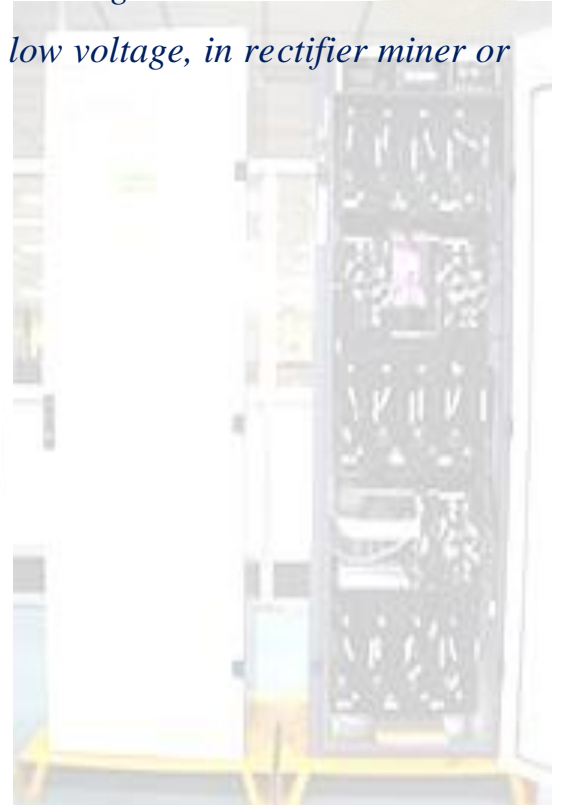
GSM Green field & Rooftop Tower Civil & Telecommunication works.

- *Tower Foundation & Erection.*
- *Tower and other telecom equipments Installation & Dismantling. Tower Painting and Maintenance.*
- *GSM equipments Installation and Integration.*
- *Microwave Installation, Commissioning and Alignment.*
- *Indoor Networks Coverage solutions.*
- *Fence erection and Power Supply work.*
- *Existing Tower Analysis.*
- *Complete Civil Work.*
- *GSM Green field / Rooftop & Wi-max Rooftop Telecommunication Tower Civil Works Execution.*
- *Survey for RF, LOS, Candidates short listing.*
- *Installation & Commissioning for telecom and transmission equipment (BTS, BSC, XCDR, CDMA, Microwave & Ancillaries.*
- *Building strength analysis and soil testing.*
- *Layout planning and design, tower height calculation.*
- *Power Engineering & Electromechanical.*
- *Computer Networking and Cabling.*
- *Operation & Maintenance for entire telecom network (O &M) support for Radio / BTS and BS parts /Electrical, DG, Shelter, AC / DC power installation.*
- *In-Building Network Coverage Solutions.*



GSM Telecommunication equipment BTS Indoor / Outdoor Installation

- *Installation of GSM and Microwave Antenna.*
- *Feeder Cables installations*
- *Cables Termination & Connection*
- *Grounding/ Earthing System & Lightning Arrestors installation.*
- *Installation of BTS Cabinets & BTS and BSC.*
- *Installations of Power Supply Systems (Rectifier, Power Supply Units Batteries, AC & DC Power cabling connections.*
- *Grounding Cabinets on Master Grounding bus bar installation and termination of AC Cabling, Conduit and associated ancillaries from AC distribution panel to power system including labeling of all cables.*
- *Trouble Shooting of BSS- RF problems such as fading and interference & Maintenance of BTS & BSC.*
- *Performing of Preventive and corrective maintenance of cell sites for network efficiency and conducting for cellular network optimization.*
- *Standardizing the network key performance indicators (KPI's).*
- *Troubleshooting of different communication malfunctioning alarms like.*
- *RSL link failure, Calibration of low & high VSWR, low voltage, in rectifier minor or major faults, high temperature.*



Testing & Commissioning and integration of GSM

- *Sweep & Sweep test for all feeders.*
- *DTF & DTF return loss.*
- *VSWR with load & VSWR with antenna and VSWR return loss.*
- *Field measurement radios planning service.*
- *Drive and frequency analysis test.*



Wimax's Rooftop Tower execution/ implementation of civil & Telecom works.

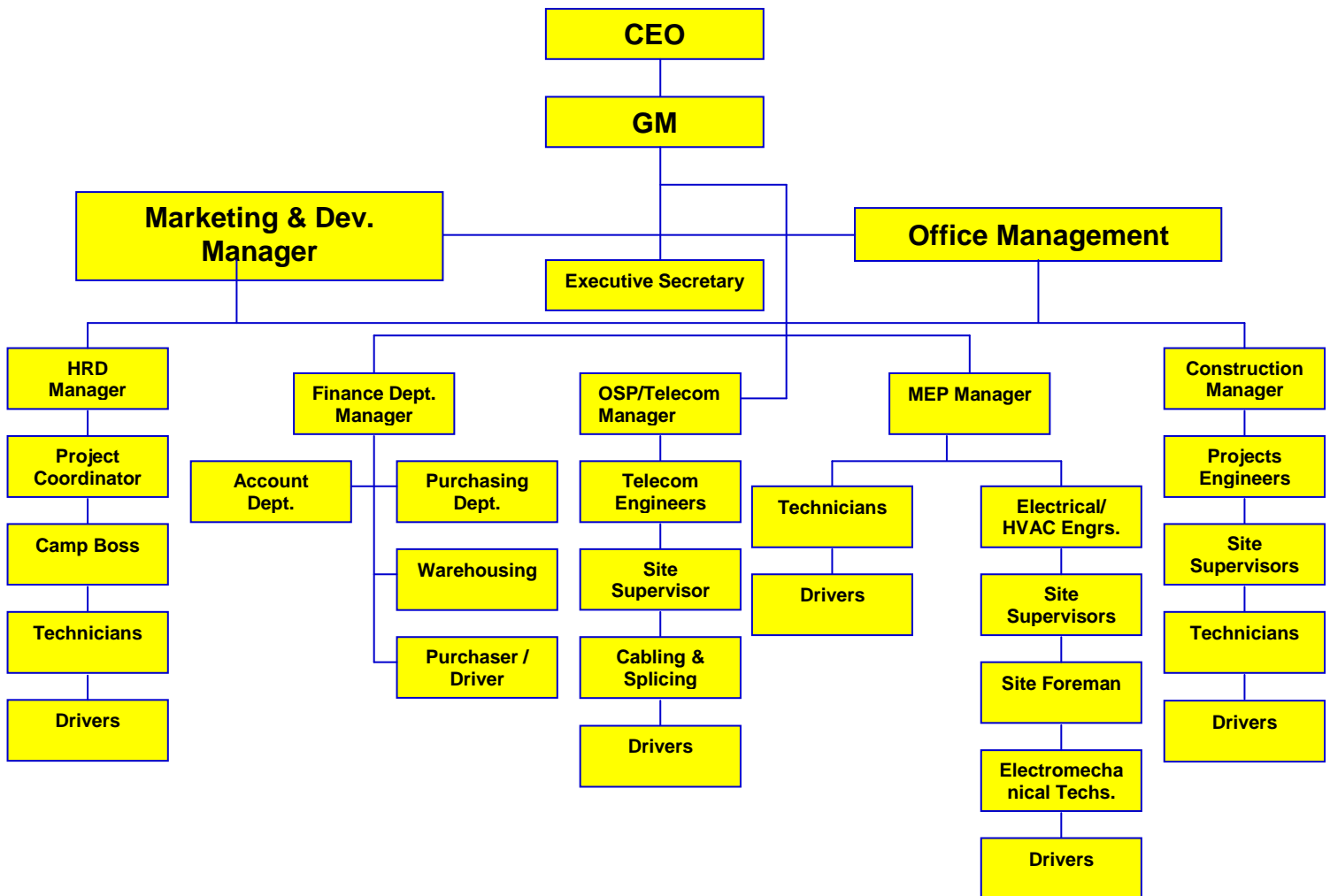
- *Sites preparation for rooftop tower erection and installation of telecom equipment.*
- *Preparation of base foundation for installation of cabinets for Wimax Telecommunication equipment.*
- *Tower assembling and Cable tray erection.*
- *Preparation of Electrical and grounding works.*
- *Preparation and mounting of ring for Wi-max antenna installation.*
- *Microwave & Wi-max antennas mount installations.*
- *ODU & BCU and SAAP & Microwave antenna installations.*
- *Telecommunication systems / equipment installation.*
- *Testing, Commissioning and integration.*
- *Preparation of Wi-max site for Pre-PAT and inspection for civil & Telecom systems installation works.*
- *Preparation of final PAT and inspection for handover the site to the reputed clients.*



***MSAN, ISP, OSP, FTTH,
Civil
&
Telecom Section***

KCN Telecommunication (Pvt) Ltd Organization Chart

MSAN – ISP – OSP – FTTH (CIVIL , Telecom & Power)



The OSP Copper & Fibre Optical Cable (FOC) Works

OSP Works

KCN Is equipped with all the necessary resources, needed for OSP works and skilled manpower, who are not only aware of the techniques, sensitivity of Fiber Optic cables and skills but also know how to troubleshoot the hardships and difficulties facing in OSP works.

- *Site Survey for Civil and Telecom work.*
- *OSP Civil works construction and maintenance.*
- *Design of the network(Long distance, Access, junction and local)*
- *Execute the civil work, trenching, laying cables, reinstatement (backfilling, compaction and restoration) for MOMRA & MOT.*
- *Pulling, blowing and placing of cables.*
- *Installation of Manholes and conduit systems.*
Jointing, termination & testing of cables Telecom.
- *Secondary work which includes the connection between Cabinets and the distribution points.*
- *Service wire from Distribution Points (DPs) to the customer.*



MSAN Cabinets installation works:

The following works including the replacement of HIRISLU / RAN/ E-Cabinet by MSAN / DSLAM to upgrade the network to provide DSL services over the existing copper cables networks.

- *MSAN, OSP, ISP, FTTH, FTTB, FTTX, FTTC, FTTM Networks.*
- *Preparation of work implementation plan.*
- *Sites inspection for Installation of MSAN Cabinets.*
- *Sites Excavation for preparation of concrete foundation for fixing and installation of MSAN Cabinets.*
- *Cabling of Fiber / Copper.*
- *Verification of Existing network(working lines)*
- *Prepare CLT.*
- *Installation of MSAN.*
- *Termination of Fiber & copper at MSAN.*
- *Prepare T- joint.*
- *Confirmation of all circuits packs are installed as per MOP.*
- *Preparation of MDF / ODF Circuits boards for fiber cables terminations.*
- *Preparation and installation of power and earthing and grounding cables.*
- *Labeling of cabinet, fibers/ copper cables (Marking / tagging).*
- *Preparation of sites cleanup for (Y-splicing joints closure, all open duct, removals of debris, backfilling, road way repairing, safety barrier etc.*



***Solar & Power
Engineering Section***

Power Engineering Services

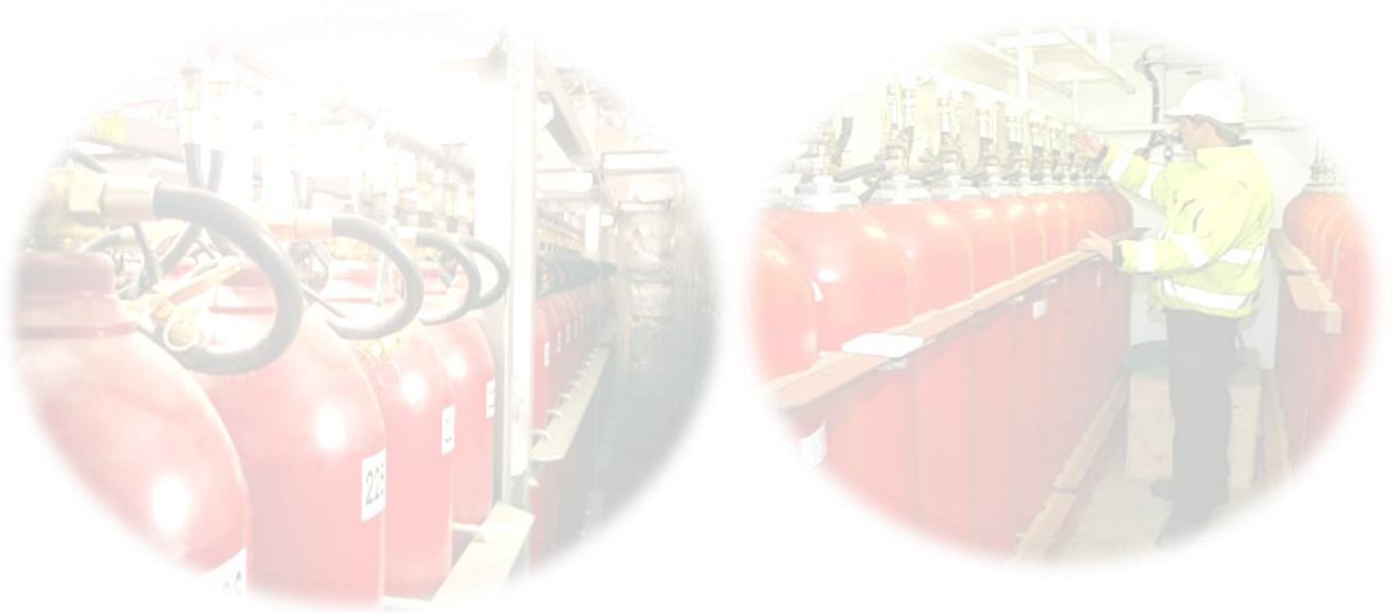
KCN Offer's installation and service of standby power generator systems. From small repeater sites, to fully-grown PCS / Cell site, to full backup power installations for the central office. We install new construction or retrofit existing, from the most common generators to high-end sets and power transfer switching. We also offer follow-up maintenance contracts and complete repair services. Apart of this we also install all sorts of power cable in trenches, confutes and pipes etc.

Power Engineering & Electro-Mechanical Works:

- *Power transformer & Switch gears Installation.*
- *Control & Relay panels Installation.*
- *HV, MV, LV & Control Cables laying & Termination.*
- *Cable ladders, cable trays installation.*
- *HVAC & Ducting Works.*
- *Fire Fighting System.*

Firefighting equipment Installations

KCN Provides complete engineering and design, supply of equipment installation testing and commissioning and maintenance for all kinds of firefighting equipment Installations.



Electrical and Low Current Systems.

KCN Provides complete engineering, design, supply of equipment, installation, testing / commissioning and Operation / maintenance for all kind of Electrical and low current systems.

- *Power Generators & Substations.*
- *Uninterruptable power supplies.*
- *PABX & Telephone exchanges.*
- *Security Surveillance CCTV Networks Integrated Systems.*
- *CATV, SMATV and Public Address and Radio Paging Systems.*
- *Nurse Call Communication Systems.*
- *Fire Alarm systems. Access Control Systems*
- *Solar energy power systems.*
- *Computer Networks & Cable layout.*
- *Low Current Security Surveillance and Paging Systems*



***Operation,
Maintenance
of
Industrial Electronics
Communication
&
Telecom Section***

KCN Low Current Systems Engineering Operation & Maintenance **Department for Industrial Electronics & Communication &** **Telecommunication Projects.**

Industrials , Security Surveillance Electronics & Communication & Electromedical Eqpt, Pneumatics Controls, CCTV, CATV, PA, FAS, Access Control & Barriers, Biometrics systems, Tests & Measurement Equipment , FOC & Telecom Equipment, Instrumentation , Computer Hardware LAN & WAN , Office Equipment repair Troubleshooting and Calibration and Periodic Preventive & Corrective Maintenance.

Operation and maintenance division endeavor to provide dependable, qualitative and responsive solutions to meet customer requirements. The services provided are cost effective. The teams deployed are project specific and well trained professional and skilled Managers / Engineers / Technicians and workers.

Objectives

Provider of complete solutions in electronics, communication and telecommunication for repairs, calibration & Maintenance Services.

Electronics repair & Maintenance Services.

Electronics repair & maintenance center is fully equipped and is competently administered by highly proficient staff. The staff can perform complete repairs using high tech test and repair equipment. We are committed to repair of electronics products and systems for all customers.

Repair for all kinds of electronics printed circuit boards.

Repair is made at component level and included through-hole and surface mount technologies at technologies time.

Support Services

We provide support to engineers and companies who face problems with electronics based equipments. Back to base repairs and on site services covering electronics problems with minimal manufacturer information or support. Supporting service and maintenance companies who maybe working with the equipment that incorporates electronics and are looking for outside assistance to augment their own services.

Consultations Engineering Services

We provide our customers a wide range of consultation service and suggest them for a proper option in the following.

1. *Technology Evaluation.*
2. *Specification preparation.*
3. *Proposal Evaluation.*
4. *Vendor Selection.*



Business Scope.

1. *Highly qualified and experienced service engineers and technicians.*
2. *Warranty Service.*
3. *All kind of Electronics PCB repairs.*
4. *Installation & Commissioning.*
5. *Procurement of spare parts.*
6. *Managing repairs.*
7. *Disaster Recovery.*
8. *Tools & Test Equipment.*
9. *All types of Electronics & Industrial components.*
10. *Spares for Electronics Industry.*
11. *Industrial Automation.*

Industrial we can serve.

Electronics are critical elements for a different types of industrial production equipments in various fields like as following.

1. *Telecommunication Industry.*
2. *Oil & Gas.*
3. *Power plants.*
4. *Defence sector.*
5. *Chemicals.*
6. *Food processing Plants.*
7. *All manufacturing units.*



Brief Equipments Listed.

1. *All types of power supply units.*
2. *All types of power & frequency converter units.*
3. *Inverters.*
4. *Rectifiers.*
5. *Power module boards and circuit packs.*
6. *Radio & Amplifier circuits.*
7. *All types of circuit packs or boards except for patent components.*
8. *Power filters circuits.*
9. *Attenuation circuits.*
10. *All display units & interface units.*
11. *Input/ output CCA's*
12. *AC / DC Drive controllers.*
13. *PLC cards (I/p & o/p, memory cards etc.).*
14. *CNC machines & cards.*

Particulars.

1. *We give solutions on cost effective platform for a scalable growth of our customers.*
2. *Fully committed to customers satisfaction.*
3. *Dedicated well- managed organization using engineering –driven repair process.*
4. *All kinds of repairs are conducted in a static- protected environment.*

Manage your repairs; manage your growth, through us by professional and technical supports engineering team.

Vision

To be Acknowledged as a prime company in Industrial Electronics, Communication & Telecommunication equipment repairs and Calibration, Troubleshooting and periodic preventive and 3rd line corrective maintenance.

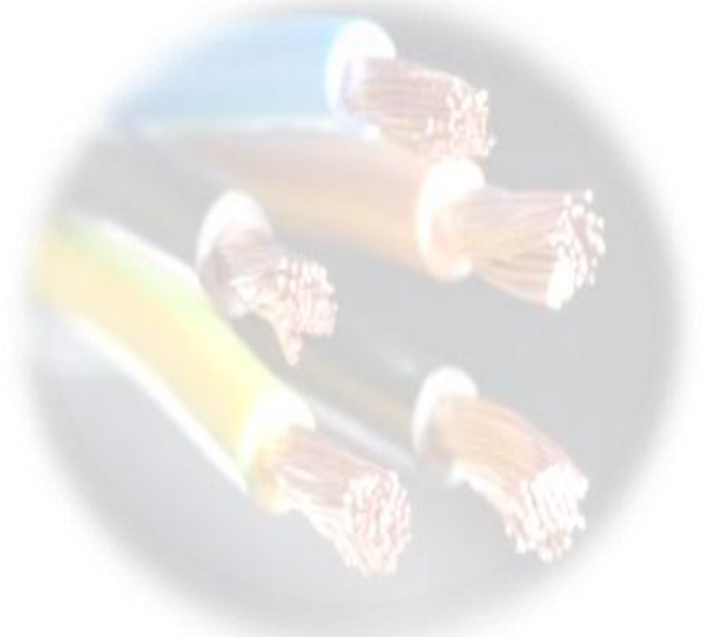
Manpower Supply Section

Supply of Manpower

KCN provides manpower from local and international market such as professional and qualified Consultant, Managers, Engineers and Technicians, skilled workers and labor for all categories and trades according to the present and advance scenario of construction and industrials requirements.



Tools & Equipments Details



For GSM & Civil Work

<i>N/S</i>	<i>Description</i>
<i>1</i>	<i>Roller Compactor.</i>
<i>2</i>	<i>Concrete Truck Mixer.</i>
<i>3</i>	<i>Gin pole.</i>
<i>4</i>	<i>Bobcat</i>
<i>5</i>	<i>Shavol.</i>
<i>6</i>	<i>Poclains.</i>
<i>7</i>	<i>Water Tanker.</i>
<i>8</i>	<i>Diesel Tanker.</i>
<i>9</i>	<i>Crane.</i>
<i>10</i>	<i>Low bed Trailer.</i>
<i>11</i>	<i>Concrete Pin Vibrator.</i>
<i>12</i>	<i>Jack Hummer.</i>
<i>13</i>	<i>Plate Compactor.</i>
<i>14</i>	<i>Hilty Drill Machines.</i>
<i>15</i>	<i>Grinders.</i>
<i>16</i>	<i>Wood Saw.</i>

17	<i>Civil Tool Kits.</i>
18	<i>Rigger tools kits.</i>
19	<i>Electrical tool kits.</i>
20	<i>GPS & Satellite Phones.</i>
21	<i>Digital Cameras & Compass.</i>
22	<i>Dumpy level.</i>
23	<i>Theodolite.</i>
24	<i>Water Pump.</i>
25	<i>Generator.</i>



Tools & Equipments Details

FOR TELECOM

<i>S.No</i>	<i>EQUIPMENT</i>	
<i>1</i>	<i>Lap Tops</i>	
<i>2</i>	<i>Site Master</i>	
<i>3</i>	<i>Hand Held GPS system</i>	
<i>4</i>	<i>Multi power car adapters</i>	
<i>5</i>	<i>BER Tester</i>	
<i>6</i>	<i>Satellite Phones</i>	
<i>7</i>	<i>ESD Wrist Strap</i>	
<i>8</i>	<i>Digital MultiMate's</i>	
<i>9</i>	<i>Power Meter</i>	
<i>10</i>	<i>Compass</i>	
<i>11</i>	<i>Digital Cameras</i>	
<i>12</i>	<i>Drill Machine</i>	
<i>13</i>	<i>O&M Tool Kits</i>	



Tools & equipment / Instrument for OSP, FTTH, FOC & Copper & MSAN Civil & Telecommunication.

1. *Mini Trencher – (30cm, 20cm).*
2. *Bobcat, Milling machine, JCB, Poclain with jack Hammer.*
3. *Pavers, Roller, Showal, loader, Dyna & Dump Truck.*
4. *Pickups single and double cabin.*
5. *Compressor with Jack Hammer.*
6. *Trailer.*
7. *Splicing Van.*
8. *Asphalt cutting machines.*
9. *Splicing tools kits (Telecom Cable).*
10. *Splicing tool kits (Fiber Cable).*
11. *Die sets (Various Size).*
12. *Water pump portable.*
13. *Scaffolding.*
14. *Pipe benders (Associated sizes).*
15. *Electric Arc welding machine.*
16. *Oxy / Acetylene cutting equipment.*
17. *Electric Hand grinders.*
18. *Hydraulic bender.*
19. *Threading machines.*
20. *Hilty core drill machines.*
21. *Chain block.*
22. *Cable pulling winch.*
23. *Cable trailer.*
24. *Cable rollers.*
25. *Cables pulling accessories.*
26. *Megger tester 1000V.*
27. *Cable locator.*
28. *Earth measuring test set.*
29. *Cable jointing & Termination tools set.*
30. *Telephone cable jointing tool sets.*
31. *AVO Meter.*
32. *Clamp Meter.*
33. *Portable light and lamps.*
34. *Portable Generators.*
35. *Ventilating fan.*
36. *Mandrel Set.*
37. *Hand set phone.*
38. *Hydraulic Puncher.*
39. *Fiber tester kits.*



- 40. *Power Meter.*
- 41. *OTDR.*
- 42. *Attenuators.*
- 43. *ORL & LOS Test sets.*
- 44. *Light sources.*
- 45. *Fiber optics continuity testers.*
- 46. *Visual fault locator.*
- 47. *Clip-on- identifier.*
- 48. *Connector inspection.*
- 49. *Buried fiber cable fault locator kits.*
- 50. *PC software tool kits.*



Professional Teams

<i>S.No</i>	<i>Categories</i>
1	<i>Projects Manager (GSM Civil)</i>
2	<i>Projects Manager (GSM Telecom)</i>
3	<i>Project Planning Engineer (Civil & Telecom , OSP)</i>
4	<i>Electrical Engineer</i>
4	<i>Electro mechanical Engineer</i>
5	<i>Quality Control / Assurance Engineer (Civil & Telecom & Electromechanical) ISO Certified.</i>
6	<i>Sites Supervisors / Foreman (Civil & Telecom).</i>
7	<i>Quantity/ Land Surveyor</i>
8	<i>AutoCAD Operator (Civil , Telecom & Electromechanical)</i>
9	<i>GSM Technician / Installers (Indoor / Outdoor)</i>
10	<i>GSM Riggers (Telecom & Microwave)</i>
11	<i>GSM Tower Erection Riggers</i>
12	<i>Electricians (HV & LV)</i>
13	<i>Steel Fixers</i>
14	<i>Shuttering Carpenters</i>
15	<i>Masons</i>
16	<i>Skilled & Sami Skilled Labors</i>
17	<i>Professional Accountant</i>
18	<i>PABX Telephone Operator</i>
19	<i>Documentation Controller</i>
20	<i>RF Engineers</i>
21	<i>BTS & RBS Engineers</i>
22	<i>GSM Systems Integration & Testing and Commissioning Engineers</i>
23	<i>Projects Coordinator</i>
24	<i>Administration/ Human Resources Manager</i>
25	<i>Heavy and Light duty Drivers</i>
26	<i>Projects / Sites Engineer (Civil)</i>
27	<i>Materials / Procurement & Logistics Manager</i>
28	<i>Project Coordinator/Supervisor / Foreman (OSP & MSAN)</i>
29	<i>Technician FOC</i>
30	<i>Cable Jointer Copper</i>
31	<i>Project Manager OSP</i>
32	<i>Site Manager OSP</i>
33	<i>Quantity Surveyor (OSP)</i>
34	<i>Excavation Foreman OSP</i>

35	<i>Reinstatement Foreman OSP</i>
36	<i>Dump Truck (Heavy) Driver</i>
37	<i>Bob cat operator</i>
38	<i>Trench Operator</i>
39	<i>Dyna Driver</i>
40	<i>Compressor Operator</i>
41	<i>Labors for OSP</i>
42	<i>Store Keeper</i>



Strategic Partners & Clients

*On going Telecom Systems Installations (O & M) Projects
with following Clients.*



Alcatel·Lucent



PHOTOGRAPH

