



#### NATURE AND SCOPE OF WORK

- 1 Project Management
- 2 Turnkey Projects
- 3 Maintenance Contracts
- 4 Trouble Shooting
- 5 Job Works
- 6 Contract Staffing
- 7 Advisory Services
- 8 Sourcing & Supply of Materials
- 9 Coverage- International Project's are Welcome

#### Our Credentials

- 1 Pan No. - AACB7176J
- 2 ESIC Regd. - 23-4767-90
- 3 PT Regd. - PT/E/4/6/35/18/118
- 4 Shop Act Regd. - 10226
- 5 EPF No. MH65184
- 6 Service Tax- AACB7176J ST001

**BTC**  
Optical Fiber  
Network's  
Pvt. Ltd.



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Designed BY- RK CREATIONNS - 9822566883

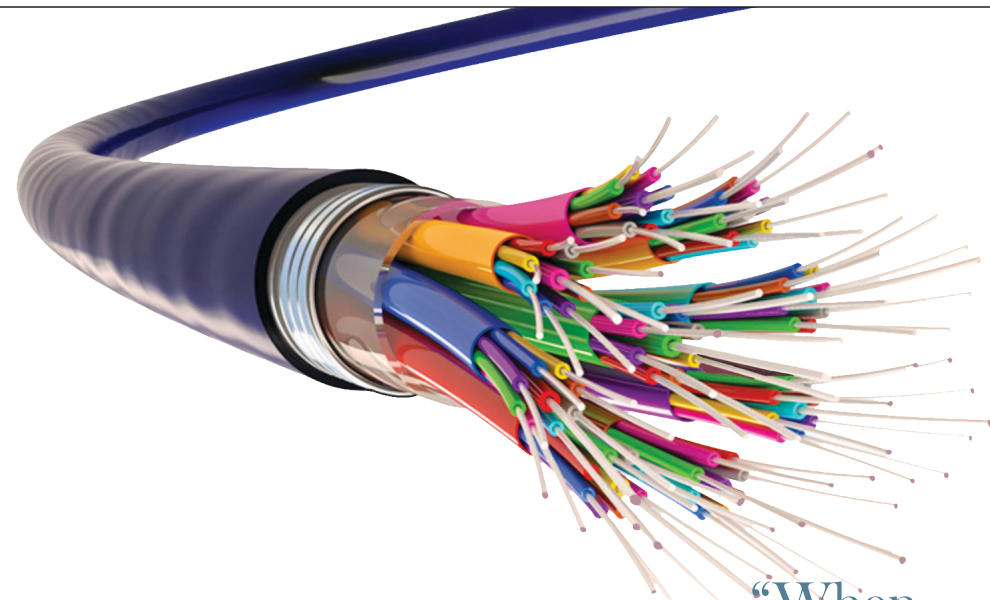
Integrated to  
**Serve,**  
Inspired to  
**Perform.**



**BTC**  
Optical Fiber  
Network's  
Pvt. Ltd.







“When  
Every  
Second  
Counts,  
You Can  
Count  
on us...”

Mr. Abhay Gorle is a successful entrepreneur providing his service, BTC Optical Fibre Network's Pvt. Ltd., Nagpur. With keen interest in society's well being Abhay is a quick and constructive decision maker in difficult circumstances. Having advancement and updated knowledge of technology he has innate ability to empathize with the common man. He has researched in Telecommunication Industry on Optical Fibre Networking.

Abhay envisions a corporate creed, internationally competitive, embodied with professionalism and teamwork, an economics ethos to share the fruits of industrious efforts with the family of stakeholders. A Global frequent flyer, he contributes to the art circle and seeks solace in meditation.

BTC Optical Fibre Networks (BTC) is an integrated enterprise offering end-to-end competence in management of networking projects for data, voice & video communication. Within 20 years of committed pursuit across relevant industry vertical, BTC today stands on the threshold of over 10,000 miles of completed project length pan India.

Not withstanding the wide geographical reach, strategic tie-ups and state-of-the-art equipment, at BTC we believe that, it's our human assets that will make the difference for you. A motivated field force led by able office bearers ensures prompt commencement and punctual completion of an awarded project. The will to surpass quality expectations of our clients and the resolve to meet the deadlines before they become due, are two most compelling facts of their trust on us.



## Vision

“To be a frontrunner in providing innovative, cost efficient and integrated end-to-end networking solutions to the telecommunication, IT and Entertainment Industry.  
To develop a corporate creed, internationally, competitive, embodied, with professionalism & teamwork, an economic ethos to share the fruits of industrious efforts with the family of stakeholders.

## Mission

“In our pursuit for excellence, to design state-of-art solutions, tailor made to our customer's specifications and deliver the same with the highest degree of skill, service and reliability.”



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## BTC Optical Fiber Networks Services Offerings:

### **Fiber Network Managed Services (FNMS) - OSP Turnkey**

BTC Optical Fiber Networks FNMS consists of the following:

- Duct Laying
- Duct Integrity Testing
- Blowing (Supervision)
- Chamber Installation
- Route Marker Installations
- Clamping on Bridges/Culvert
- Maintaining all records related to project and generating daily progress reports
- Measurement of completed works & recording on Measurement Sheets (MB)
- Material Reconciliation & Consumption Report
- As Built Drawing (ABD) Verification
- Verification of OFC Link testing reports
- Verification of Earthing
- Route Sign Off

### **Trenching, Ducting and Backfilling**

Excavation of Trenches Standard Depth of trench will be as per specification outside the city limits trench will normally follow boundary of roadside land.

Line up of trench would be such that HDPE duct(s) will be laid in straight line, both laterally as well as vertically except at locations where it has to necessarily take a bend because of change in alignment or gradient of trench. Minimum radius of two metres will be maintained, where bends are necessitated.

### **BTC Bouquet of Service**

Our competence to undertake turnkey projects is enhanced by in-house state-of-art equipment and service capabilities.

A few of our in-house services along with standard procedures are listed below :

### **Route Survey & Design**

The entire route is surveyed for laying of Optical Fibre Cables for the following inputs :

- Row demarcation
- Soil strata
- Existing underground utilities
- Road/Rail/Bridge/River/Canal crossing
- BOQ Estimation
- Any other criticality



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# Highway Traffic Management Services - HTMS (FibreWays)

## HTMS CONCEPT

- A single pathway for Duct Utility Corridor along Highways – median or sideways
- For – Communication Cables, Water Pipes, Power Cables in Ducts
- Designed to enable easy branching for future development along highway
- Multiple Fiber optic ducts with cables can serve wireless towers, FTTH Networks, Telecom exchanges, Highway Traffic Management requirements

## ADVANTAGES OF HTMS (FIBREWAYS)

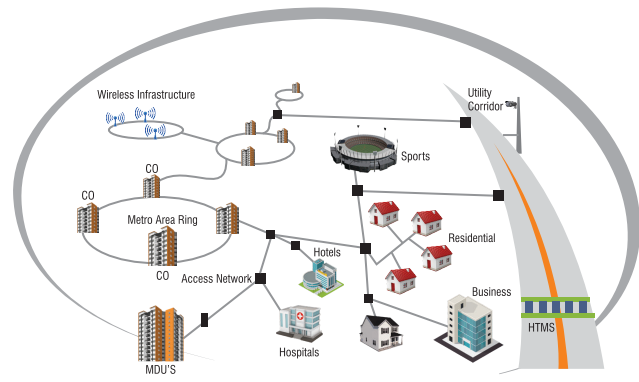
- Duct Utility infrastructure is designed for long term future requirement
- Multiple fiber optic ducts are deployed for captive requirement - Video Surveillance, Highway Traffic Management etc. and for leasing to Telecom Operators – innovative revenue stream
- Avoids digging highways in future
- Fractional additional cost

## HTMS (FIBREWAYS) TURNKEY SOLUTION ELEMENTS:

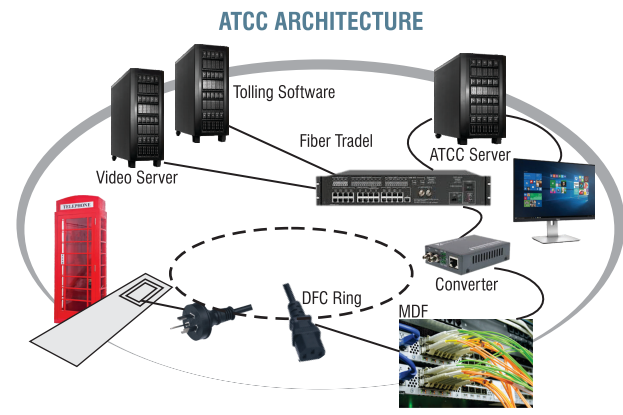
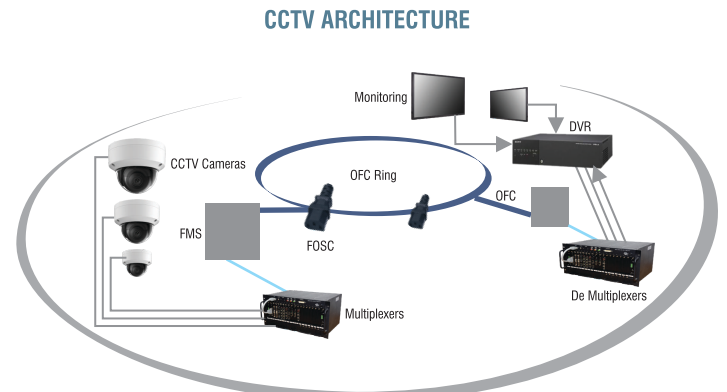
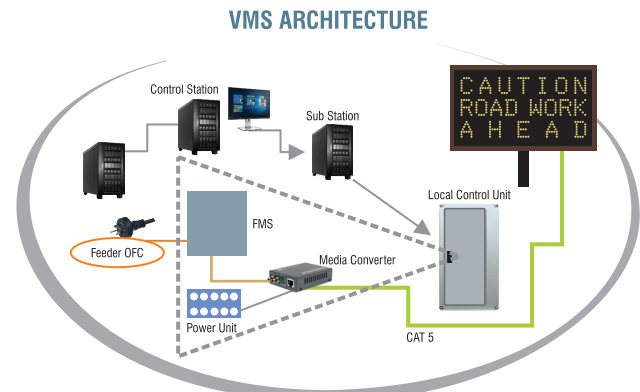
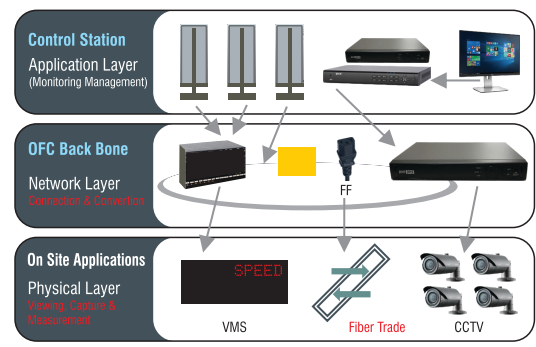
- Toll Management
- Closed Circuit Television (CCTV)
- Variable Message Signs (VMS)
- Automatic Traffic Classifier and counter (ATCC)
- Metrological Data System (MDS)
- Emergency Call Box (ECB) System
- Radio Message System



## HTMS (FIBREWAYS) APPLICATION MAP



## HTMS (FIBREWAYS) ELEMENTS



## BTC OPTICAL FIBER NETWORKS SCOPE – HTMS (FIBREWAYS)

- Trenching, Duct Laying, Fiber Optic Cable Blowing, Splicing, Connecting at head-end and devices, Termination, Testing etc,
- Deployment and Integration of all HTMS Components (as per the network design)
- Supply of Ducts, Fiber Optic Cable, FMS, Patch Cords, etc

# Service Offerings

## ONE-STOP SOLUTION FOR OPTIC FIBER NETWORK ROLLOUTS

- BTC Optical Fiber Networks offers several value added services for efficient roll-out of the Optic Fiber network.
- BTC Optical Fiber Networks 's cost-effective solutions focus on clients' needs and ensure consistent network rollouts in a lower turnaround time.

## BTC OPTICAL FIBER NETWORKS SERVICES OFFERINGS:

Fiber Network Managed Services (FNMS) - OSP Turnkey

### BTC OPTICAL FIBER NETWORKS FNMS CONSISTS OF THE FOLLOWING :

- Duct Laying
- Duct Integrity Testing
- Blowing (Supervision)
- Chamber Installation
- Route Marker Installations
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- Maintaining all records related to project and generating daily progress reports
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BTC Optical Fiber Network's , along with its global partners, offers the most extensive range of high quality products including ducts and accessories, Optic Fiber cables, joint closures, terminations, manholes and much more.

### PROJECT MANAGEMENT SERVICES

BTC Optical Fiber Network's on-site Project Management Services considerably improve project execution and quality, even when local contractors are engaged for the Optic Fiber project execution.

BTC Optical Fiber Network's experienced supervisors will ensure that ducts are laid out correctly, at proper depth with coupling, Optic Fiber is installed as per specifications and backfilling/ restoration is done adequately. For a consistent check, BTC Optical Fiber Network's provides one qualified engineer at every link of approximately 75 km.

### TECHNICAL AUDIT AND ACCEPTANCE TESTING SERVICES

BTC Optical Fiber Network's helps in assessing laid Optic Fiber network quality by carrying out Technical Audit and Acceptance Testing (including Depth Verification). BTC Optical Fiber Network's experienced supervisors survey the entire route and check critical parameters like duct depth verification, route marker's verification, quality of joint closures and loop lengths, adequate protection casing of the ducts at bridges and culverts, material reconciliation and Fiber link losses etc.

### OPTIC FIBER CABLE INSTALLATION SERVICES

BTC Optical Fiber Networks provides the largest cable-blowing infrastructure in India. With BTC Optical Fiber Network's cable blowing services on your side, you can be sure that your project will never be disrupted or delayed. BTC Optical Fiber Network's state-of-the-art equipments ensure error-free cable blowing at a faster pace providing value for your money.

**BTC Optical Fiber Networks is the only company in India that offers advanced blowing techniques like :**  
**Cascade Blowing :** enabling installation of longer cable lengths (up to 6-8 km) at a time  
**Twin Cable Blowing:** allowing installation of two cables, either simultaneously or can override later, into a single duct.

## Roadways And Highways

### TURNKEY EXECUTION OF UTILITY CORRIDORS ALONG HIGHWAYS

BTC Optical Fiber Networks offers conceptualization, designing and Turnkey Execution of Utility corridor along highways. Utility corridors are engineered for the purpose of accommodating telecom, gas, sewer, water, and other utility lines and providing access for their maintenance.

### TELECOM NETWORK APPLICATIONS

- Data Management: creating pathway for data management between and at Toll-Plazas with innovative low cost-high capacity products.
- Security/Safety along highways : Emergency Telephone connections/Surveillance cameras along the highways.
- **Fiber Leasing to Telecom/ISP Operators :** Highway and roadway companies can build dark-fiber network or ducked network for leasing out to telecom companies. The option is between leasing individual empty ducts to operators or to lease out dark fibers.

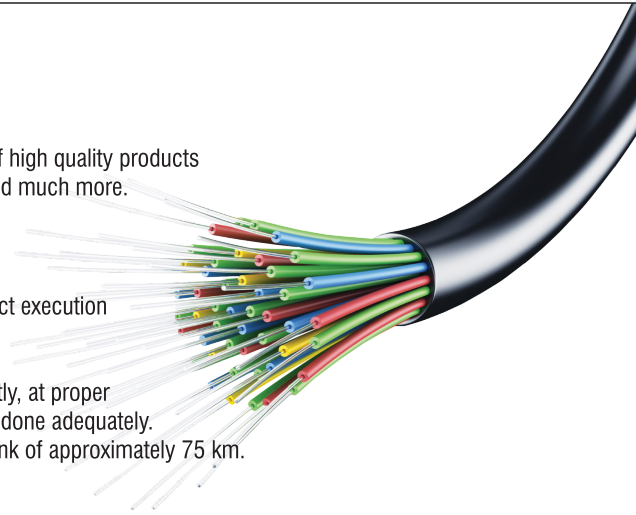
### SUGGESTED PRODUCTS :

BTC Value Plus Duct, BTC Micro Ducts


### POWER NETWORK

**Protective casing of street lighting cable – pole to pole application :** BTC Optical Fiber Networks innovative products help in designing an easy-to-maintain street lighting network. Instead of burying the street lighting cable directly, it is installed inside the Dura-Guard duct. The advantages are :

- Easy laying of cable upon completion of civil work
- Easy to maintain as cables are free to move inside the duct
- Easy to upgrade/replace cables
- Protective casing application of power cables crossing the highways – an excellent and cost effective alternative to GI, RCC, and PVC pipes
- Protection of power cables along Bridges and culverts




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### HDPE Duct


(High Density Polyethylene) Cable Installation Products and Systems for Utilities

Duraline is the Industry's leading supplier of conduit and good reason. We design and manufacture a superior quality product. while offering innovations designed to make installation faster, easier and more productive. Choose from our board selection of conduit below.




#### Microtechnology

Futurepath  
Duraflat  
Armoured Microduct  
HDPE Microducts  
Aerial Drop Duct  
In Building Solutions  
Microduct-In-Duct



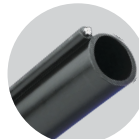
#### HDPE

Smooth wall  
Smooth out Ribbed in  
Ribbed In/Out  
Corrugated Standard  
Corrugated Flex  
Tornado Plus



#### Cable in conduct

Fiber  
Coaxial  
500 volt Aluminium  
Service Drops  
Medium Voltage  
500 volt Copper



#### Speciality

Cable-In-Conduct  
DuraSafe  
In-Building Solutions  
Durathene  
Dura-Bend Electrical  
Conduct

Harsh Environment  
Jumbo Future Path  
Figure & Aerial  
HDPE Power Ducts  
Dura-Guard

## Solutions

### RESOURCES FROM THE EXPERTS

BTC Optical Fiber Networks is an leader in innovation. Our engineers and product designers work closely with our customers to develop unique solutions to issues that develop in the filed.

Turnkey Solutions for road ways and Telecom Industries.

We are Certified by  
some of our...  
**Happy  
Customers**

- L&T, Reliance,
- Shyam Telecom,
- Lucent Technologies,
- Bharti Telesonic,
- Tata Teleservices,
- (Hutch) Fascel Ltd.,
- Nu-Tech, Punj lloyed,
- BSNL Chandrapur,
- RPG,
- BSNL Akola,
- Vishveshwaraya National Institute of Technology,
- Indian Railways, etc.

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