

DETAILED NOTE ON THE PROJECT

“Diversion of Forest Land for Execution of T-Fiber Project towards laying of Optical Fiber Cable along the road within the existing ROW in Forest Land in Warangal Rural Division, Warangal Rural District, Telangana State.”

Objectives and Scope

- **Telangana Fiber Grid (T-Fiber)** is envisioned to establish a state-of-the-art network infrastructure to facilitate the realization of ‘**Digital Telangana**’ objective.
- T- Fiber provides Infrastructure for affordable and high-speed broadband connectivity and Digital services to **“10 Zones (33 Districts), 589 Mandals, 12,751 Gram Panchayats, 10,128 villages, 83.58 lakh households and more than 3.5 Cr people”**
- Refer to the Letter No: **ITEC-15/TFG/8/2020-Electronics**, Dt. 02.05.2020 & Dt. 27.05.2020 issued by Government of Telangana, GO from Revenue (JA&LA) Department **“GO.MS.NO149”** Dated **27th Aug 2015**, LOA awarded to execute Telangana Fiber Grid Project Works LoA Ref No: **T-FIBER/MSI-LOA-Phase-1/PKG-B/2018-19/093** dated **31st Dec 2019** and Authorization letter from T-Fiber.

Need of the Project

- T-Fiber will provide various services to the government departments. The following are some of the services that will be provided by T-Fiber.
 - **High speed intranet:** T-fiber will provide high speed data to connect departments internally
 - **High speed internet:** T-fiber will provide high speed connectivity to web, mail & messaging services. T-fiber will ensure that there is no requirement for a separate mail server
 - **Data center services:** Availability of cloud storage and development kits for creating and hosting applications
 - **Security & encryption:** T-fiber will prevent from cyber-attacks, ransom ware, spyware etc.
 - **Smart content services:** T-Fiber will provide High-definition content streaming services
- Such a strong IT establishment will give a strong boost to multiple Economic activities including **creation of employment for the youth, development of opportunities for IT export, increase in productivity through use of automation** etc. Further with ever increasing number of government services moving to cyber space and internet becoming the new medium of connectivity between citizens and government, a robust IT eco-system will enable people to use these services in a seamless and hassle-free manner.

Salient Features:

- The State aims to usher in digital democracy through **affordable & reliable** high-speed broadband connectivity to every **household, government, and private institution** in Telangana.
- T-Fiber is based on the idea of providing access of infrastructure to different players on a **non-discriminatory** and **non-monopolistic** basis where the government will not become a service provider to deliver internet services to households and enterprises while different players shall be allowed to provide internet services to households and private enterprises.
- This Project covers Nallabelly and Khanapur Mandals.

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Telangana Fiber Grid Corporation Ltd

Justification for locating the Project in Warangal Rural Forest Area:

Government of Telangana has envisioned to establish a state-of-the-art network infrastructure to serve as backbone for Digital Telangana. The State aims to usher in digital democracy through affordable & reliable high-speed broadband connectivity to every household, Government and private institution in Telangana.

The vision of BBNL is to change lives of rural India through digital empowerment of the people of rural India by creating network infrastructure as a national asset, accessible on a non-discriminatory basis to all service providers such as TSPs, ISPs etc to provide affordable broadband services to citizens and institutions in rural and remote areas, which will facilitate human development, boost economic development, and improves quality of life of people in Rural India. Through its constant endeavours BBNL will be able to provide secure, reliable, affordable, and high-quality connectivity in rural India. As per BharatNet mandate in NOFN (Phase-I), BBNL has provided connectivity from Block / Mandal head quarter to Gram Panchayats.

To implement the Fiber Grid project and manage its operations, a special purpose vehicle (SPV) has been incorporated by the name Telangana Fiber Grid Corporation Limited (T-Fiber).

T-Fiber will establish state of the art end-to-end IP-MPLS infrastructure creating the backbone for Digital Telangana. T-Fiber will offer high-speed broadband connectivity to every government/Private institution and every household across the state. With a mandate from USOF/DoT, Government of India as part of BHARATNET Phase II to connect Mandal to Gram Panchayats in the State of Telangana.

T-Fiber provides Infrastructure for affordable and high-speed broadband connectivity and Digital services to **"10 Zones (33 Districts), 585 Mandals, 140 ULBs, 12,751 Gram Panchayats, 10,128 villages, 83.58 lakh households (Rural and Urban) and more than 3.5 Cr people"**

The Optical Fiber Cable is generally laid along the roads such as **State R&B roads, Panchayat roads, Municipal roads, MoRTH & National Highway** roads, if such road are passing through the protected forest under the **Indian Forest Act**. As per the procedure in vogue required to be obtained permission from Forest Department. The cable alignment will be to avoid any cutting of trees within the road boundary by excavating a narrow trench of **0.45m** width. The strip of trench excavated shall be reinstated to its original condition. It is also intimated that no permanent structure will be erected. The area utilized for the laying of the Optical Fiber Cables will be with is bare minimum trenching.


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