No. 16-03/2023-CS-III(pt)
Government of India
Department of Telecommunications
707, Sanchar Bhawan, 20 Ashoka Road, New Delhi- 110001
(Carrier Services Wing)

Dated 30.08.2023

To,

All Infrastructure Providers – Category-I (IP-1) registration holders

Subject PM GatiShakti Nation Master Plan: Mapping of optical fiber(OFC) by IPs

1. As you may be aware that the PM Gatishakti National Master Plan (NMP) platform - brings together data from 16 central ministries like Telecommunications, Railways, Roadways, Power, Tourism etc., to achieve sector-specific development goals with the help of GIS-based integrated planning and coordination tools, by mapping all the available infrastructure across the ministries. It is being developed by BISAG-N at no cost to the departments.

2. DoT is coordinating to get various telecom assets like optical fiber cable (OFC), Tower/ BTS etc. mapped on the NMP platform. It may be noted that already about ~12 lakh RKM of OFC of Government PSUs like BSNL, BBNL, GAIL, POWERGRID, RAILTEL etc. has been mapped on this portal. In addition, 7.7 lakh towers with about 27.45 lakh BTSs have also been mapped. This mapping not only helps in the quick Fiberisation of the unfiberised towers but also helps in the utilization of the unused OFC and will generate additional revenue for the OFC owner ISPs.

3. In this regard, OFC laid by IP-1s also need to be mapped on the PM GatiShakti NMP. Once the OFC is mapped, it can be opened for viewing by the users/buyers like Telecom Service Providers (TSPs) for their use and even by BSNL/DoT in Bharatnet Phase-3.

4. DoT has already asked all the TSPs to use the mapped OFC for the fabrication of fiberized mobile towers.
    a. The benefits of fiberization for IPs are as follows:
        i. Once the OFC(via API) is listed on the DoT NMP, it can be utilized by other TSPs, governments, ministries, etc.
        ii. To fiberize their mobile towers

iii. To buy bandwidth or lease the fiber

iv. To provide FTTH connections to institutions like colleges, hospitals, government offices, etc.

b. Hence the mapping will bring more business to the IPs and also assist DoT in meeting broadband mission targets, creating a win-win situation for both TSPs and DoT.

5. Accordingly, it is requested that the GIS data of OFC Network (.shp or .kml files) of all the IP-1 registration holder across India be provided to **Shri Himanshu Sharma, Director, NMP (Email: dir1@broadbandmission.gov.in, Mob: 9416070989)** who will act as the Single Point of Contact (SPOC) from DoT. Further, the attributes to be provided along with the .shp files are on **Annexure-1** to be forwarded to ISPs. The LSAs are also likely to coordinate for the project and IP-1 registration holders are accordingly also requested to coordinate with concerned LSA unit of DoT.

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Enclosure: As above

Copy to:

1. Member (T), DCC / DG (Telecom)
2. DDG & Mission Director, National Broadband Mission (NBM), O/o DG (Telecom)
3. Digital Infrastructure Providers Association (DIPA)

Annexure-I

SHAPEFILES ATTRIBUTES

OFC

Shape/KML file of OFC having latitude & longitude plottable on a map having these attributes:

1. Operator Name
2. TSP(from whom backhaul bandwidth is taken)
3. Installed on date
4. No. of cores
5. No. of cores utilized
6. Type of OFC(overhead, underground or OPGW)
7. Contact person(for sale/FTTH connection)
8. Remarks(if any)

OLTs

1. Operator Name
2. Latitude
3. Longitude
4. TSP(from whom backhaul bandwidth is taken)
5. Installed on date
6. Remarks

ONTs

1. Operator Name
2. Latitude
3. Longitude
4. TSP(from whom backhaul bandwidth is taken)
5. Installed on date
6. Remarks

Note: The above items/format/attributes may undergo changes as per the dynamic requirements which will be notified by Broadband Mission, DoT.