



सत्यमेव जयते

Department of Telecommunications
Ministry of Communications
Government of India



States/UTs of North Zone Digital Infrastructure deployment related issues

Dated-12-Sep-2023

Department of Telecommunications

1. Chandigarh
2. Haryana
3. Delhi
4. Himanchal Pradesh
5. Jammu and Kashmir
6. Ladakh
7. Punjab
8. Uttar Pradesh
9. Uttrakhand



Agenda of the Meeting

- 1. Summary of overall RoW pendencies**
- 2. 5G rollout issues:**
 - a. State Policy alignment with amendment (to IT ROW rules, 2016), issued in Aug 2022, for provisioning of street furniture/poles etc.
 - b. Activating 5G Form on States' RoW Online Portal for 5G rollout
 - c. GIS mapping of Street Furniture
 - d. Fiberization of Towers
- 3. Incorporation of addendum to Model Building Byelaws, 2016 (provisions for 'IN-Building Solutions' (IBS) issued by Ministry of Housing and Urban Affairs (MoHUA)**
- 4. Status of Pilot on 5G Use Cases, if any, initiated by States/ Uts**
- 5. Review of status of CBuD**
- 6. Startup Nomination-IMC2023**

RoW Pending Applications (GatiShakti Sanchar Portal)



S.No.	State / UT	RoW Application Pendency (as on 11.09.2023)	RoW Application Pendency (>90 days) (As on 11.09.2023)
1	Uttar Pradesh	301	288
2	Delhi	278	270
3	Punjab	270	215
4	Haryana	133	79
5	Jammu and Kashmir	85	72
6	Uttarakhand	73	41
7	Himachal Pradesh	23	22
8	Chandigarh	2	1

IT RoW Rules, 2016 and Amendment(2022)

- Delhi, Haryana, Himachal Pradesh, Punjab yet to incorporate provisions of Indian Telegraph Right of Way (Amendment) Rules 2022
- Delhi released RoW draft policy but final policy yet to notify
- Haryana, Uttarakhand, Ladakh yet to implement “Deemed Approval” in portal
- Chandigarh, Himachal Pradesh (draft issued), Ladakh, Uttar Pradesh, Delhi yet to incorporate provisions of addendum to Model Building Bye-laws, 2016 published by MoHUA in March-2022

IT RoW Amendment Rules 2023-Salient Features

Central Government has notified the Indian Telegraph Right of Way Amendment Rules, 2023 dated 08.08.2023

- Licensee, whose existing underground telegraph infrastructure is damaged, may temporarily establish the overground telegraph infrastructure to restore the telegraph service.
- No fee or compensation for the establishment of temporary overground telegraph infrastructure for the period of sixty days
- “street furniture” means post or pole used for electricity, street light, traffic light, traffic sign, bus stop, tram stop, taxi stand, public lavatory, memorial, public sculpture, utility pole or any other structure or contrivance of such nature
- Single application and single permission for multiple sites for establishment of small cells
- No administrative fees or compensation for deployment of small cells on buildings and structures vested in or under their control of Central government

Composite Electricity Billing and Green Open Access

- **Ministry of Power issued/ notified:**
 - An advisory dated 24.05.2023 on implementation of Composite Billing Scheme for Multiple connections like Telecom Service Providers
 - The Electricity (Promoting Renewable Energy through Green Energy Open Access) Rules, 2022 allowing aggregation of loads within same division for 100 kW eligibility
- ❖ State support required for adoption of Composite Electricity Billing for telecom as per the advisory of Ministry of Power dated 24th May 2023 and Green Open Access amendment gazette notification by Ministry of Power dated 23rd May 2023

Format of Street furniture

1. Street furniture of the following states has been mapped on NMP:
 - a) 245 government buildings, 401355 electric poles, 53 bus terminals, 70 traffic lights, and 97 bus shelters of Jharkhand.
2. All States are requested to provide data of the following assets which will be used as street furniture for the 5G rollout: Street furniture” means post or pole used for electricity, street light, traffic light, traffic sign, bus stop, tram stop, taxi stand, public lavatory, memorial, public sculpture, utility pole or any other structure or contrivance of such nature established over the property of an appropriate authority
3. Data can be provided in Excel format to BISAG, and complete data need to be mapped not partial

Sr. No.	State	City Name	Street Furniture Type	Latitude(min. 5 decimal places)	Longitude(min. 5 decimal places)	Authority	Street Furniture Id/Name	Street Furniture Height(meters, 2 decimal places)	Structure Type of Street furniture	Class	Sub Class
1			Pole	23.23235	75.12345	MPEB	3045	8.56	Steel	State government	DISCOM
2			Bus Shelter	23.45676	75.45677	MC Bhopal	ISBT	10.12	RCC(reinforced cement concrete)	State government	Transport Department

Benefits of fiberization



- ✓ Fiberization of BTS(base trans receiver station) is connecting of BTS with optical fiber so that BTS could handle more of Voice and Data traffic.
- ✓ Benefits of fiberization:
 - I. Better Quality of Service for mobile coverage
 - II. Higher internet speeds
 - III. More transparent E-governance
 - IV. Will attract more investments from industry in areas with better coverage
 - V. Better coverage and internet speeds in public institutions like hospitals, government offices, schools etc.

Fiberization of BTSs as on 31.07.2023

S.No.	Name of respective LSAs	Total BTSs	Total BTSs connected on fiber	Total BTSs connected on fiber % 31-07-2023
		Urban+Rural	Urban+Rural	%
1	Delhi	92188	51303	55.65
2	J&K	51625	19877	47.75
3	Haryana	85361	35402	41.47
4	Punjab	85618	32244	37.66
5	UPW	150837	55937	37.08
6	UPE	188839	66194	35.05
7	HP	27377	8973	32.78

Target:- March-24 65%

5G Conference in States- Update

State Pending 16

1. Arunachal Pradesh
2. Bihar
3. Goa
4. Himachal Pradesh
5. Maharashtra
6. Meghalaya
7. Nagaland
8. Odisha
9. Punjab
10. Sikkim
11. Tripura
12. Andaman & Nicobar
13. DNH
14. J&K
15. Ladakh
16. Lakshadweep

Start Up Participated 11

1. Nayan Tech
2. Amanatya
3. Superceuticals
4. Perkant Tech
5. TexhXr
6. Nav Wireless
7. Nimble Vision
8. Sensorise
9. Arivation

Live Demo of 5G Use Cases in States 5

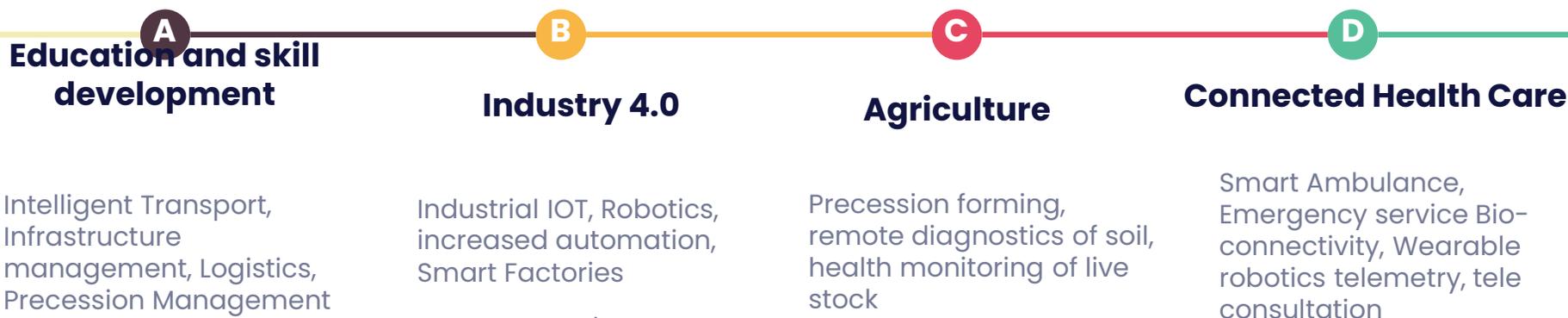
1. Delhi
2. West Bengal
3. Uttarakhand
4. Karnataka
5. Chhattisgarh

DO issued by DoT to all states' DGP, Secretary UDD, Secretary-Transport, CEO Smart City to plan pilot POCs in their state

1. Various States raised the enquiry and contacted the startup to explore 5G use case
2. Uttarakhand & Kerala are discussing with startup for POC in Transport and Health and Traffic sector
3. Tamil Nadu State organised meeting with Startup for Pilot

5G use Cases

Potential Use Cases Covered in 5G Conferance



Startup Pilot details -State Government initiatives after 5G Conference

Startup	State	Department	Project Details and Location
Perkant Tech Private Contact-Saniya Jeswan Mob-8226008918	Uttarakhand	Health Department	Health screening systems for the Char dham yatra to ensure pilgrim safety and health screening
Nayan Technology Contact-Mr.Jayant Ratti Mobile-9899398646	Delhi/Uttarakhand	PWD/Traffic Police	AI model combined with CCTV footage and physical logbooks of security guards and other workers , will give real time reports of damages to road and footpaths discolouring of pavemnts and theft of iteams like decorative lights or steel sculptures.
Easiofy Contact-Ms. Noor Fatima Mob-995849937	MP	Health Department	Vidisha District Hospital.ImagiXAI is the platform name. Its cloud based AI enabled image analysis platform
	Arunachal Pradesh	Health Department	Bakin Pertin General Hospital & Training Center,Pasighat.ImagiXAI is the platform name. Its cloud based AI enabled image analysis platform
	Nagaland	Health Department	Naga Hospital Authority, Dimapur.ImagiXAI is the platform name. Its cloud based AI enabled image analysis platform
	Manipur	Health Department	District Hospital, Senapati.ImagiXAI is the platform name. Its cloud based AI enabled image analysis platform
	Mizoram	Health Department	District Hospital, Serchhip.ImagiXAI is the platform name. Its cloud based AI enabled image analysis platform
	Meghalaya	Health Department	District Medical &Health Officer,South Garo Hills District, Baghmara.ImagiXAI is the platform name. Its cloud based AI enabled image analysis platform
	Tripura	Health Department	Indira Gandhi Memorial Hospital, Agartala.ImagiXAI is the platform name. Its cloud based AI enabled image analysis platform
TechXR Contact-Mr. Prashant Mishra Mobile-8889500018	Madhya Pradesh	Education	CM Rise school, Natheri,CM Rise School, Vidisha,Subhash Government Higher Secondary School, Bhopal,
	Arunachal Pradesh	Education	Government College of Nursing, Pasighat
	Uttarakhand	Education	Government Inter College, Champawat,
Nav Technology Contact-Mr. Prashant Gandhi Mobile-9819503295	Assam	AMTRON	Connected 4 Locations in Guwahati for ASWAN Network (one installation on the Carnival Island which was used for G20 Meet in Feb'23 and another across the Brahmaputra River having Aerial distance of 6.5 Kms.)
	Gujarat	BSF/Education	1-At BSF NADABET Complex Stadium for TCGL - in the Middle of Rann at Pakistan Border. 2-Dharoi Dam: Connected Dharoi Dam for Seismological Department, 3-DST (GFGNL's BharatNet Horizontal Connectivity) 4-Connected Sachivalay with State Data Centre for GSWAN (for GIL). 5-Schools at Mithavi Rana and Kanji Gram Panchayat under Completion (GFGNL's BharatNet Horizontal Connectivity)
	Uttarakhand	ITDA	Connected ITDA Hq. with the Secretariate at Dehradun.
	Ladakh	Education	Connected Institutes HIAL and SECMOL of Mr Sonam Wangchuk

Startup Nomination-IMC2023

V. L. Kantha Rao, IAS

Additional Secretary

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GOVERNMENT OF INDIA
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NEW DELHI - 110001

D.O. No. 9-1/2023-IC

31st August, 2023

Madam / Sir

This refers the DO letter by Secretary (Telecom) dt. 19.06.2023 inviting your State/UT to Indian Mobile Congress (IMC) 2023 (copy enclosed). This event, which is scheduled on 27-29 October 2023, will harness India's expertise in cutting-edge technologies such as 5G, 6G, drone, IoT, broadcasting, satellite etc. and provide a platform to showcase new technological innovations, driving meaningful technical sessions, policy discussions, facilitating enriching connections. The theme of IMC 2023 is "Global Digital Innovation".

2. As you may be aware, DoT and its organizations have conducted several State workshops related to innovation promotion such as 5G Hackathon, DCIS (Digital Communication Innovation Square), TTDF (Telecom Technology Development Fund) scheme, 100 5G labs. Subsequent to the launch of 5G services during October 2022, several Startups and institutions/Centre of Excellences have started to develop 5G use case applications and advanced communication products across India.

3. To encourage and showcase this hyper-local digital innovation of states, under the theme of "ASPIRE", a dedicated space of 10 Pods each for States / 2 Pods each for UTs is allocated free, for the demo of 5G use cases/advanced communication products identified by States/UTs administration in IMC 2023.

4. To facilitate startups from your State/UT, Shri Amit Kumar Chauhan, Director, National Broadband Mission (email: dir3@broadbandmission.gov.in, Mob: 9869002302) for use cases and Shri Pradeep Prakash (pradeep@indiamobilecongress.com, 9810667493) for space have been instructed suitably.

5. You are, therefore, requested to indicate the names and details of startups being sponsored by your State/UT by 15th September, 2023.

With regards

Yours sincerely,

V.L. Kantha Rao
(V.L. Kantha Rao)

End: As above

All Chief Secretaries of States / UTs
All Advisors to Administrators of UTs



ASPIRE:- To encourage and showcase this hyper local digital innovation of states

Dedicated space of 10 Pods each for state/ 2 Pods each for UTs is allocated Free. For the demo of 5G use cases/ advance communication product identified by states/UTs administration in IMC 2023

Startup nomination awaited- Last date 15-Sep-2023
Kindly send the nomination to Shri Amit Kumar Chauhan
Director National Broadband Mission
Email Id:dir3@broadbandmission.gov.in
Mobile No:-9869002302



CBuD Launch by Hon'ble PM on 22nd-March-23

“Call Before u Dig” Mobile App - CBuD

Total registered User

46381

Total registered
Excavator

14105

Total Usages (Enquiry)

4562

Central
8390

State
37991

Top States

Rajasthan-2212
Gujrat-2144
Assam -808

Top States

Gujrat-1776
Assam-744
Rajasthan-291

Top Performer

Karnataka
Uttar Pradesh
Maharashtra

New Features:-

- 1). Withdrawal of Enquiry
- 2). Rescheduling of Enquiry
- 3). Asset owner creation till Tehsil level
- 4). Department level and Agency level Unauthorized excavation report module activated

***Data as on 11 Sep 2023**

CBuD Status and Action required

LSA	State Name	State Asset Owner	Enquiry	Enquiry Target for 2023-24	Enquiries <u>1 Apr. 11 Sep 2023</u> against target	% Achievement	Unauthorised Enquiry	Enquiry
PUNJAB	PUNJAB	1293	145	300	131	43.7%	12	
	CHANDIGARH	51	6	10	5	50.0%	2	Enquiries not raised regularly.
UTTAR PRADESH (E)	UTTAR PRADESH	4582	148	980	119	12.1%	13	
JAMMU AND KASHMIR	JAMMU AND KASHMIR	376	53	260	30	11.5%	29	
	LADAKH	82	2	30	2	6.7%		No enquiries.
HIMACHAL PRADESH	HIMACHAL PRADESH	199	37	160	32	20.0%	2	
UTTAR PRADESH (W)	UTTARAKHAND	950	33	170	31	18.2%	3	Less Enquiries. Enquiries not raised in last 2 months. To create Tehsil users.
HARYANA	HARYANA	1023	23	290	14	4.8%	10	Very less enquiries.
DELHI	DELHI	183	16	140	3	2.1%	7	Very less enquiries.

* No LSA filed FIR against unauthorized excavations. data as per 11-Sep-23.

CBuD-Action Required

- (i) All State departments to issue instructions mandating use of CBuD App prior to any type of excavation / digging,
- (ii) Randomly monitor digging activities in cities/towns and if not informed through CBuD App, take suitable action(s) viz. do counselling in presence of TV/Print media for wide publicity, issue notice, file FIR, etc. as per DoT's IT Infrastructure Safety Rules 2022.
- (iii) 'Excavation permission' issuing authorities to include a line in the approval letter itself in this regard such as "Agency which is excavating must use the CBuD App before commencing any excavation on public lands/roads in the State".
- (iv) Awareness workshops for departments as well excavators.
- (v) States to notify rules for State specific assets viz. Water pipeline, Sewerage pipeline, electricity cable, Gas/Petroleum pipeline, Roads, etc. similar to DoT's Indian Telegraph (Infrastructure Safety) Rules.

To create institutional mechanism for common duct to reduce cost

To create institutional mechanism for common duct with common interest to reduce cost

- Multi stakeholder Committee by DoT finalised a "Draft Standard for Common Duct and Post infrastructure along Highways and public pathways"
- An advisory 'Draft Policy Guidelines for Establishment of Common Duct and Post Infrastructure' has been circulated to all the State Governments/ UTs on 12.10.2022.
- It covers installation of common ducts and posts, management and operation of such ducts and posts and charges to be levied for installation, management and operations of such ducts and posts.

Action required: All States/UTs may examine the advisory and may adopt and create mechanism for creation of ducts for public utilities for green field projects (roads, gas pipeline, electricity, water, telecom etc)



Advisory-Common Duct

RoW issues- Uttarakhand

1. RoW Application Pendency (deemed approval activated on portal)-

Applications Submitted	Total Approved Application	Applications Rejected	Under Process App	Applications Pending (>90 days)	Applications Reverted	Application Withdrawn
3498	2500	0	210	73 (41)	523	192

Point No. 02	Description	Status (as discussed in last review meeting dated 15.05.2023) Pending Item
I	Portal	•5G Form implementation to be done
II	Street Furniture mapping	Street furniture in DoT format and OFC laid by PSU require to be mapped

RoW issues- Uttar Pradesh

1. RoW Application Pendency (deemed approval activated on portal) -

Applications Submitted	Total Approved Application	Applications Rejected	Under Process App	Applications Pending (>90 days)	Applications Reverted
10191	4333	4970	355	301 (288)	232

*156 RoW applications are of Regularisation cases

Point No.	Description	Status (as discussed in last review meeting dated 15.05.2023) Pending Item
02		
I	IBS Policy	Under Process, will be done shortly
II	Portal	<ul style="list-style-type: none"> • 5G form to be implemented • All L1/L2/L3 Officers to be mapped in state RoW portal • Grievances API integration to be done
III	Street Furniture mapping	Street furniture in DoT format and OFC laid by PSU require to be mapped

RoW issues- Punjab

1. RoW Application Pendency (**deemed approval not activated on portal**)-

Applications Submitted	Total Approved Application	Applications Rejected	Under Process App	Applications Pending (>90 days)	Applications Reverted	Application Withdrawn	Payment Pending by Applicant
7288	650	4470	231	270 (215)	206	450	26

Point No. 02	Description	Status (as discussed in last review meeting dated 15.05.2023) Pending Item
I	RoW Policy	Notified. However, 2-3 points related is not aligned.
II	Portal	Deemed approval to be implemented
III	CBuD	Mandate to use CBuD by Excavator
IV	Street Furniture mapping	Street furniture in DoT format and OFC laid by PSU require to be mapped

ROW issues- Ladakh



1. RoW Application Pendency (deemed approval activated on portal) - Nil



Point No. 02	Description	Status (as discussed in last review meeting dated 15.05.2023) Pending Item
I	IBS Policy	Under process. It is under public consultation.
II	CBuD	CBuD usage is less than 10
III	Street Furniture mapping	Street furniture in DoT format and OFC laid by PSU require to be mapped
IV	Other issues	High pole charges Rs. 250 & 300/pole/ annum for urban and rural area respectively

RoW issues- Jammu and Kashmir

1. RoW Application Pendency (deemed approval activated on portal)

Applications Submitted	Total Approved Application	Applications Rejected	Under Process App	Applications Pending (>90 days)	Applications Reverted	Application Withdrawn
1038	380	179	167	85 (72)	198	29

Point No. 02	Description	Status (as discussed in last review meeting dated 15.05.2023) Pending Item
I	IBS Policy	Housing dept. approved. Instructed other dept. to do the same
II	Street Furniture mapping	Street furniture in DoT format and OFC laid by PSU require to be mapped

RoW issues- Himachal Pradesh

1. RoW Application Pendency (deemed approval activated on portal)

Applications Submitted	Total Approved Application	Applications Rejected	Under Process App	Applications Pending(>90 days)	Applications Reverted
473	95	6	48	23 (22)	301

Point No. 02	Description	Status (as discussed in last review meeting dated 15.05.2023) Pending Item
I	RoW Policy	Comments received from all dept. except electricity dept.
II	IBS Policy	Draft policy issued
III	Portal	5G Form implementation to be done
IV	Street Furniture mapping	Street furniture in DoT format and OFC laid by PSU require to be mapped

RoW issues- Haryana

1. RoW Application Pendency (**deemed approval not activated on portal**)

Applications Submitted	Total Approved Application	Applications Rejected	Under Process App	Applications Pending (>90 days)	Applications Reverted	Application Withdrawn
23967	7866	15296	464	133 (79)	0	208

Point No.	Description	Status (as discussed in last review meeting dated 15.05.2023) Pending Item
02		
I	RoW Policy	Draft prepared and committee be called for finalisation
II	Portal	<ul style="list-style-type: none"> • 5G form to be implemented • All L1/L2/L3 Officers to be mapped in state RoW portal • Deemed Approval to be implemented • Application status updates to be sent through SMS
III	CBuD	CBuD usage is less than 20
IV	Street Furniture mapping	Street furniture in DoT format and OFC laid by PSU require to be mapped



RoW issues- Delhi

1. RoW Application Pendency - deemed approval activated on portal except NDMC

Applications Submitted	Total Approved Application	Applications Rejected	Under Process App	Applications Pending (>90 days)	Applications Reverted	Payment Pending by Applicant
7312	3672	2526	145	278 (270)	178	513

Point No.	Description	Status (as discussed in last review meeting dated 15.05.2023) Pending Item
02		
I	RoW Policy	To be notified soon
II	IBS Policy	Pending with building dept.
III	Portal	<ul style="list-style-type: none">• 5G form to be implemented• All L1/L2/L3 be mapped in state RoW portal• Standard Rejection Reason Code to be sent• Application status updates to be sent through email• Application status updates to be sent through SMS
IV	CBuD	Mandate to use CBuD and CBuD usage less than 10
V	Street Furniture mapping	Street furniture in DoT format and OFC laid by PSU require to be mapped

RoW issues- Chandigarh

1. RoW Application Pendency (deemed approval activated on portal)- 2

Point No. 02	Description	Status (as discussed in last review meeting dated 15.05.2023) Pending Item
I	IBS Policy	Certain changes are under consideration and will be notified soon
II	CBuD	<ul style="list-style-type: none"> •CBuD usage is less than 10 •Mandate to use CBuD by Excavator
III	Street Furniture mapping	Street furniture in DoT format and OFC laid by PSU require to be mapped
IV	Other issues	Permission required for private property, one time charge for tower at private property is Rs. 10,000



Request Suggestions to take the Mission Forward

Neeraj Kumar, DDG, Broadband Mission

Ganesh Bakade, Director, Broadband Mission

Amit Kumar Chauhan, Director, Broadband Mission

Himanshu Sharma, Director, Broadband Mission

Sanil Kumar, National Broadband Mission (PMU)

[98682 18069](tel:9868218069), md@broadbandmission.gov.in

[9868103831](tel:9868103831), [<dir2@broadbandmission.gov.in>](mailto:dir2@broadbandmission.gov.in)

[98690 02302](tel:9869002302), dir3@broadbandmission.gov.in

[9416070989](tel:9416070989), himanshu.sharma23@gov.in

[7004083816](tel:7004083816), sanil.kumar@broadbandmission.gov.in

Mission Director

Portal, Call Before U dig

RoW, 5G launch

GatiShakti NMP, 4G

Saturation

RoW

Thank You

National Broadband Mission on Social Media



NationalBroadbandMission



NBM_DoT



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IT RoW Rules, 2016 and Amendment(2022)-Salient Features

Tower

OFC

Small Cell-5G

Street Furniture-5G

Administrative Charges

10,000/Tower

For Private property, only intimation

Underground 1000/KM

Overground 1000/KM

NIL

Self Establishment- 1000/ Pole

Compensation Charges

Once/annually (Decided by appropriate authority)

NIL

Urban- 300/Pole/Yr

Rural- 150/Pole/Yr

Compensation for self established Pole -Nil

Usage of Street Furniture for telegraph line- 100/Pole/Yr

Restoration Charges

As per CPWD rate

As per State PWD rate

By Self- BG 20/% of restoration cost

By Local Body- As per CPWD/PWD rate

Establishment of Telecom infrastructure on Private Property. :-

- No Permission required for private property
- Only Intimation required for Private Property (Structure Suitability required)