



Department of Telecommunications  
Ministry of Communications  
Government of India



# States/UTs of West Zone

## Digital Infrastructure deployment related issues

13-Sep-2023

Department of Telecommunications

- |                 |                   |
|-----------------|-------------------|
| 1. Chhattisgarh | 5. Lakshadweep    |
| 2. DNH          | 6. Madhya Pradesh |
| 3. Goa          | 7. Maharashtra    |
| 4. Gujarat      | 8. Rajasthan      |

# 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 for IMC2023**

# 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 as above

## 5G Conference in States- Update

### State Pending 15

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

1. Delhi
2. West Bengal
3. Uttrakhand
4. Karnataka

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. Uttrakhand & Kerla are discussing with startup for POC in Transport and Health and Traffic sector
3. Tamil Nadu State organised meeting with Startup for Pilot

# Startup Nomination-IMC2023

**V. L. Kantha Rao, IAS**  
Additional Secretary

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आज़ादी का  
अमृत महोत्सव

GOVERNMENT OF INDIA  
MINISTRY OF COMMUNICATIONS  
DEPARTMENT OF TELECOMMUNICATIONS  
ROOM NO. 318, SANCHAR BHAVAN  
29, ASHOKA ROAD  
NEW DELHI - 110001

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

31<sup>st</sup> 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, 9810657493) 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)*

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

## Startup Pilot details -State Government initiatives after 5G Conference

| Startup  | State             | Department         | Project Details and Location   |
|--|-------------------|--------------------|--|
| Perkant Tech Private<br>Contact-Saniya Jeswan<br>Mob-8226008918    | Uttarakhand       | Health Department  | Health screening systems for the Char dham yatra to ensure pilgrim safety and health screening   |
| Nayan Technology<br>Contact-Mr.Jayant Ratti<br>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<br>Contact-Ms. Noor Fatima<br>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<br>Contact-Mr. Prashant Mishra<br>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<br>Contact-Mr. Prashant Gandhi<br>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.<br>2-Dharoi Dam: Connected Dharoi Dam for Seismological Department, 3-DST (GFGNL's BharatNet Horizontal Connectivity)<br>4-Connected Sachivalay with State Data Centre for GSWAN (for GIL).<br>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  |

# RoW issues- Rajasthan

## 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 |
|------------------------|----------------------------|-----------------------|-------------------|--------------------------------|-----------------------|-----------------------|
| 12679                  | 2351                       | 764                   | 57                | 1620 <b>(1518)</b>             | 6669                  | 1218                  |

| Point No. 02 | Description              | Status ( as discussed in last review meeting dated 19.05.2023)- <b>Pending Item</b>   |
|--------------|--------------------------|---|
| I            | Portal                   | 5G form to be activated   |
| II           | Street Furniture mapping | Street furniture in DoT format and OFC laid by PSU require to be mapped   |
| III          | Other issues             | One time charge for tower at private property is Rs. 10,000 and annual compensation for pole (small cell and telegraph line) is Rs 1000/ pole/annum |

| CBuD                       |   |               | BTS Fiberization as on 31-07-2023 |                               |                                 |
|----------------------------|---|---------------|-----------------------------------|-------------------------------|---------------------------------|
| Enquiry Target for 2023-24 | Enquiries <u>1 Apr - 11 Sep 2023</u> against target | % Achievement | Total BTSs                        | Total BTSs connected on fiber | % Total BTSs connected on fiber |
| 430                        | 225   | 52.3%         | 150191                            | 61274                         | 40.80                           |



# RoW issues- Maharashtra

## 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 |
|------------------------|----------------------------|-----------------------|-------------------|---------------------------------|-----------------------|
| 23864                  | 20                         | 4797                  | 6533              | 5937 <b>(3728)</b>              | 6392                  |

| Point No. 02 | Description              | Status ( as discussed in last review meeting dated 19.05.2023)<br><b>Pending Item</b>                            |
|--------------|--------------------------|--|
| I            | Portal                   | Grievance module to be activated in state portal   |
| II           | Street Furniture mapping | 52,58,763 electric poles, 800 bus stops, and 595 bus terminals & many govt. buildings mapped. Rest to be mapped. |
| III          | Other Issues             | Permission required for private property, one time charge for tower at private property is Rs. 10,000            |

| CBuD                       |   |               | BTS Fiberization as on 31-07-2023 |                               |                                 |
|----------------------------|---|---------------|-----------------------------------|-------------------------------|---------------------------------|
| Enquiry Target for 2023-24 | Enquiries <u>1 Apr - 11 Sep 2023</u> against target | % Achievement | Total BTSs                        | Total BTSs connected on fiber | % Total BTSs connected on fiber |
| 470                        | 49  | 10.4%         | 151572                            | 55748                         | 36.78                           |

# RoW issues- Madhya Pradesh

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

| Applications Submitted | Total Approved Application | Applications Rejected | Under Process App | Applications Pending (>90 days) |
|------------------------|----------------------------|-----------------------|-------------------|---------------------------------|
| 11571                  | 8938                       | 2282                  | 178               | 173 <b>(156)</b>                |

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| Point No. 02 | Description              | Status ( as discussed in last review meeting dated 19.05.2023 <b>Pending Item</b> |
|--------------|--------------------------|---|
| I            | Street Furniture mapping | Street furniture in DoT format and OFC laid by PSU require to be mapped           |

| CBuD                       |   |               | BTS Fiberization as on 31-07-2023 |                               |                                 |
|----------------------------|---|---------------|-----------------------------------|-------------------------------|---------------------------------|
| Enquiry Target for 2023-24 | Enquiries <u>1 Apr - 11 Sep 2023</u> against target | % Achievement | Total BTSs                        | Total BTSs connected on fiber | % Total BTSs connected on fiber |
| 680                        | 210   | 30.9%         | 127073                            | 51330                         | 40.39                           |

# RoW issues- Lakshadweep

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

| Point No. 02 | Description              | Status ( as discussed in last review meeting dated 19.05.2023)<br><b>Pending Item</b> |
|--------------|--------------------------|---|
| I            | IBS Policy               | Under Process. Expected to be done soon.  |
| II           | CBuD                     | CBuD usage is less than 0   |
| III          | Street Furniture mapping | Street furniture in DoT format and OFC laid by PSU require to be mapped               |

| CBuD                       |   |               | BTS Fiberization as on 31-07-2023 |                               |                                 |
|----------------------------|---|---------------|-----------------------------------|-------------------------------|---------------------------------|
| Enquiry Target for 2023-24 | Enquiries <u>1 Apr - 11 Sep 2023</u> against target | % Achievement | Total BTSs                        | Total BTSs connected on fiber | % Total BTSs connected on fiber |
| 10                         | 8   | 80.0%         | 69                                | 4                             | 5.80                            |

# RoW issues- Gujarat

## 1. RoW Application Pendency (deemed approval not activated on portal)- 277 (>90 days-247)

| Point No. 02 | Description              | Status ( as discussed in last review meeting dated 19.05.2023)<br><b>Pending Item</b>                                  |
|--------------|--------------------------|--|
| I            | RoW Policy               | Draft submitted to govt.   |
| II           | IBS Policy               | Under process and will be done in 15 days  |
| III          | Portal                   | <input type="checkbox"/> 5G form to be activated<br><input type="checkbox"/> Deemed approval to be activated on portal |
| IV           | Street Furniture mapping | Street furniture in DoT format and OFC laid by PSU require to be mapped  |

| CBuD                       |   |               | BTS Fiberization as on 31-07-2023 |                               |                                 |
|----------------------------|---|---------------|-----------------------------------|-------------------------------|---------------------------------|
| Enquiry Target for 2023-24 | Enquiries <u>1 Apr - 11 Sep 2023</u> against target | % Achievement | Total BTSs                        | Total BTSs connected on fiber | % Total BTSs connected on fiber |
| 430                        | 1154  | 268.4%        | 142393                            | 58382                         | 41.00                           |

# RoW issues- Goa

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

| Point No. 02 | Description              | Status ( as discussed in last review meeting dated 19.05.2023) <b>Pending Item</b> |
|--------------|--------------------------|--|
| I            | Portal                   | Onboarded, Online Payment integration with GatiShakti Sanchar Portal to be done    |
| II           | CBuD                     | .Mandate to use CBuD by excavator<br>.CBuD usage is less than 0                    |
| III          | Street Furniture mapping | Street furniture in DoT format and OFC laid by PSU require to be mapped            |

| CBuD                       |   |               | BTS Fiberization as on 31-07-2023 |                               |                                 |
|----------------------------|---|---------------|-----------------------------------|-------------------------------|---------------------------------|
| Enquiry Target for 2023-24 | Enquiries <u>1 Apr - 11 Sep 2023</u> against target | % Achievement | Total BTSs                        | Total BTSs connected on fiber | % Total BTSs connected on fiber |
| 30                         | 0   | 0.0%          | 5904                              | 2117                          | 35.86                           |

# RoW issues- Dadra Nagar Haveli and Daman and Diu

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

| Point No. 02 | Description              | Status ( as discussed in last review meeting dated 19.05.2023<br><b>Pending Item</b>                                   |
|--------------|--------------------------|--|
| I            | RoW Policy               | Submitted for final approval, expected to be finalised in 10 days  |
| II           | IBS Policy               | Submitted for final approval, expected to be finalised in 10 days  |
| III          | Portal                   | <input type="checkbox"/> 5G form to be activated<br><input type="checkbox"/> Deemed approval to be activated on portal |
| IV           | Street Furniture mapping | Street furniture in DoT format and OFC laid by PSU require to be mapped  |

| CBuD                       |   |               | BTS Fiberization as on 31-07-2023 |                               |                                 |
|----------------------------|---|---------------|-----------------------------------|-------------------------------|---------------------------------|
| Enquiry Target for 2023-24 | Enquiries <u>1 Apr - 11 Sep 2023</u> against target | % Achievement | Total BTSs                        | Total BTSs connected on fiber | % Total BTSs connected on fiber |
| 40                         | 53  | 132.5%        | 1824                              | 721                           | 39.53                           |

# RoW issues- Chhattisgarh

## 1. RoW Application Pendency (deemed approval activated on portal)- 92 (>90 days-74)

| Point No. 02 | Description              | Status ( as discussed in last review meeting dated 19.05.2023<br><b>Pending Item</b>   |
|--------------|--------------------------|--|
| I            | RoW Policy               | Pending for cabinet approval.  |
| II           | IBS Policy               | Under Process. Pending for approval.   |
| III          | Street Furniture mapping | 607618 electric poles of Chhattisgarh mapped. OFC laid by PSU require to be mapped and the rest of the street furniture to be mapped.              |
| IV           | Other issues             | Higher Charges for O/G-local bodies are charging License fee Rs. 25,000-1,50,000, with renewal and sharing fee of Rs. 10,000-30,000 and Rs. 10,000 |

| CBuD                       |   |               | BTS Fiberization as on 31-07-2023 |                               |                                 |
|----------------------------|---|---------------|-----------------------------------|-------------------------------|---------------------------------|
| Enquiry Target for 2023-24 | Enquiries <u>1 Apr - 11 Sep 2023</u> against target | % Achievement | Total BTSs                        | Total BTSs connected on fiber | % Total BTSs connected on fiber |
| 430                        | 124   | 28.8%         | 49587                             | 21114                         | 42.58                           |



## 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)

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



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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 )

# RoW Pending Applications (GatiShakti Sanchar Portal)



| S.No. | State / UT     | RoW Application Pendency<br>(As on 11.09.2023) | RoW Application Pendency<br>(>90 days)<br>(As on 11.09.2023) |
|-------|----------------|--|--|
| 1     | Maharashtra    | 5937   | 3728   |
| 2     | Rajasthan      | 1620   | 1518   |
| 3     | Gujarat        | 277  | 247  |
| 4     | Madhya Pradesh | 173  | 156  |
| 5     | Chhattisgarh   | 92   | 74   |

# 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 31.05.2023

| S.N o. | Name of respective LSAs | Total BTSs  | Total BTSs connected on fiber | Total BTSs connected on fiber % 31-05-2023 |
|--------|-------------------------|-------------|-------------------------------|--|
|        |                         | Urban+Rural | Urban+Rural                   | %  |
| 1      | Mumbai                  | 66505       | 31331                         | 47.11                                      |
| 2      | MP                      | 172615      | 68670                         | 39.78                                      |
| 3      | Maharashtra             | 207563      | 81967                         | 39.49                                      |
| 4      | Gujarat                 | 140722      | 52159                         | 37.07                                      |
| 5      | Rajasthan               | 134021      | 48446                         | 36.15                                      |

Target:- March-24    65%

## 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.

# Format of Street furniture

1. Street furniture of the following states has been mapped on NMP:  
a) 52,58,763 electric poles, 800 bus stops, and 595 bus terminals
2. All States are requested to provide data of the following assets which will be used as street furniture for the 5G rollout:  
*Electric Poles, Traffic light poles, Bus shelters, Government buildings, Streetlights, billboards, etc.*
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 |