



Rajasthan State Industrial Development & Investment Corporation Ltd.
Udyog Bhawan, Tilak Marg, Jaipur
(Technical Cell)

No. : Sr.DGM/Tech/Agenda /107
Date: 04, March, 2014

Office Order

Subject: Terms and Conditions and parameters for permitting laying of OFC Cables including erection of Ground Based Mast (GBMs) in RIICO Industrial Areas (including the transferred Industrial Areas)

M/s. Reliance Jio Infocomm Ltd (formely Infotel Broadband Services Ltd.) has approached the Corporation for permission to launch 4G mobile services in the State of Rajasthan by laying OFC Cables and erection of Ground Based Mast (for starting 4G mobile services in the State of Rajasthan).

With respect to above request of the Company, an agenda item (item 3) was placed in the IDC, in its meeting held on 26.2.2014. IDC decided to allow laying of OFC Cables and erection of Ground Based Mast for starting 4G mobile services in the State of Rajasthan on the analogy of the State Government Order No. F. 10(147)UDD/3/2008Part-II dated 31 Aug, 2012 as issued by the Urban Development Housing & LSG Department.

Pursuant to above mentioned approval by the IDC, permission for laying of OFC Cables including erection of Ground Based Mast in RIICO Industrial Areas (including the transferred Industrial Areas) be given for starting 4G mobile services in the State of Rajasthan, on the following terms and conditions/observing technical parameters and receiving payments:

1. Service provider shall obtain necessary permission for laying Optical Fibre Cable Network under roads and overhead and installation of GBM in RIICO industrial areas from the Unit Head, concerned and permission from the urban local bodies or JDA/JoDA/UIT, concerned if so required.
2. That the NOC's of other authorities whenever necessary including Traffic Police shall be obtained and the conditions thereof shall be binding.
3. Only pits of approximate size 2m x 2m x 1.5m depth or as per requirement at site shall be excavated in the roads where Optical fiber Cables are to be laid, at the distance of approximately every 100m. The pits shall be refilled only with granular material and shall be compacted as per the specifications. The pits/trenches shall be reinstated within 72 hours after the work at that location is over, failing which, penalty as applicable as per the guidelines for trenching activity, shall be applicable.
4. Only single user Mast will be erected instead of multiple operators which causes radiation problem.

5. Before operationalising Antenna installed over the residential roof-top, test report of radiation limit will be taken from the approved agency (like IIT) approved by State Government.
6. Minimum width of road 30 feet on which GBMs will be installed.
7. GBM will not be installed within the premises of Schools, Hospitals, Sports grounds & 500 mtrs radius of Jail campus.
8. Number of ducts under the roads for which permission will be granted by the concerned unit head shall be as per the requirement of IBSL.
9. If so desired by RIICO, the service provider shall provide Bandwidth up to 2MBPS free of cost to the RIICO for its own use.
10. The service provider will carry out GPR survey wherever necessary along the route where the ducts will be laid for detection of existing utilities. The data of utilities collected through GPR Survey should be unconditionally shared with the concerned unit, free of cost.
11. No damage shall be caused to any other underground utilities while laying the ducts by using Horizontal Directional Drilling Methodology. In case any utility is damaged, the damage so caused to the other utilities, shall be rectified at the Service providers costs/ the expenses towards rectification of the damages shall be borne by the company.
12. Ducts shall be laid approximately 2 mtrs below the road crust.
13. The cost of shifting conduits/OFC, whenever required, shall be borne by the service provider and instructions of concerned units in this respect shall be complied within the time frame prescribed.
14. RIICO shall not be responsible for any damage to OFC and resultant losses, if any, due to any act of employee of government while performing official duties.
15. Service provider shall make proper arrangement for access control of the chambers, to avoid misuse/illegal use of ducts and the chambers.
16. For erection of Ground Based Masts (GBMs), service provider shall be permitted to erect GBMs at specified locations on road over the ground area not more than 3mt X 3mt. The spacing between the two GBMs to be erected shall not be less than 200mt. in line of sight.
17. For laying overhead OFC from fibre to home network shall be permitted to erect poles on specified locations on roads over the ground area not more than 1m x 1m. The spacing between two poles should not be less than 50m in line of the sight.
18. Service provider shall fix only those equipments on the towers for electricity, generation (battery etc), which cause minimum noise and environmental pollution. Also the radiations from the tower shall not exceed the limit prescribed by Govt. of India.

19. The Structural Stability of the GBMs structurally safe shall be taken by the company and the GBMs and their foundations shall be designed accordingly.
20. Service provider shall be solely responsible for any mishap, if it takes place during or after erection of the GBMs. The service provider shall indemnify RIICO against such mishap and its consequences.
21. Service provider shall allow advertisement boards on at least ten percent of these GBMs as per the policy of RIICO and at the sole discretion of RIICO.
22. The height of GBMs shall be 25 mtrs maximum subject to clearance from Airport Authority whichever applicable. In case tower height exceeds the height of 25 mtrs technical assessment of height required shall be done by I.I.T/N.I.T/Telecom Consultants of India Ltd. a Govt. of India Undertaking (T.C.I.L.).
23. 10% of the total GBM will be inspected by the technical department concerned of Govt. of India. Also RIICO will get the technical testing of at least 25% of the total GBM through independent technical agencies such as IITs to check the radiation norms every year.
24. Service provider shall pay to RIICO registration and other charges as may be levied by RIICO from time to time for erecting the GBMs and laying of OFC in RIICO industrial areas.

- **For GBMs:**

Presently, Registration Charges are Rs. 10000/- per application and Annual Charges are @ 5% of prevailing rate of land allotment in the concerned RIICO industrial area, for such GBMs, which are installed/erected on any land belonging to RIICO. This will be for the ground area affected by construction/erection of GBM or any other structure of Service Provider.


- **For OFC laying:**

Damages of roads and filling up of pits caused during of erection of GBMs & laying of underground cabling will be repaired by concerned RIICO unit and the entire cost, at double rate of the above work for restoration of damaged road portion shall be charged from the service provider. Such charges may be taken in advance in the form of 100% cash or 50% cash plus 50% Bank Guarantee, valid for one year. The amount to be deposited on account of the above will be calculated/assessed by the concerned Unit Head and accordingly demand to be raised

25. Apart from the above mentioned charges, Service Provider shall also provide the following:
 - (a) In case RIICO requires High Mast lighting instead of Surveillance Cameras the same shall be fixed by Service Provider but necessary

spares shall be provided by RIICO. However, the work on the towers shall be done by IBSL personnel only without any delay. The cost of power consumed for street lights shall be borne by RIICO.

- (b) Ten percent GBMs will be allowed to be used free of cost for hoardings by RIICO.
 - (c) Service Provider in addition to the above will also maintain up to 7 parks/roundabouts/open spaces in each industrial area as per requirement assessed by RIICO unit office concerned, where GBM is being erected.
26. Service provider will prepare for each proposed industrial areas a detailed plan for erecting GBMs and OFC, after consultation with concerned RIICO Unit Head. The plan shall be finally sanctioned/approved by a committee headed by ED, concerned Technical Cell In-charge (Civil), and concerned Unit Head as its other members.
27. Service provider will execute an MOU with RIICO, through its concerned Unit Head, on the lines of the MOU being executed by UDH & LSG Department of the State Government, in similar matter.
28. This Order is issued in supersession of all previous orders on the subject matter and bears approval of the Managing Director.


(Madhvendra Verma)
Sr. DGM -Technical

Copy to:

- 1. FA/Advisor (Infra)/Advisor (A&M)
- 2. Company Secretary
- 3. CGM (AKG)/ GM (BP)
- 4. GM/AGM (Finance)
- 5. GM (Appraisal)/OSD (New Delhi, RIICO)
- 6. GM (Infra/ PR)
- 7. OSD (Land)
- 8. OSD (IT) - for uploading on website. ✓
- 9. Sr.DGM (Docu.) /Sr. DGM (Law)
- 10. All Unit Heads -----
- 11. P&D Cell Officers:
Sr. DGM (RTI)/Sr.RM (P&D) (SKS) /Sr.RM (KCS)/Sr.RM (P&D) (SKG)
- 12. RM (P&D) (VKJ)/RM (M&C) /
- 13. Manager (Planning)/DTP

Copy also to:

- (i) Sr. PS to Chairman, RIICO
- (ii) PS to MD, RIICO
- (iii) APS to ED, RIICO