



GOVERNMENT OF INDIA
MINISTRY OF ROAD TRANSPORT & HIGHWAYS
S,R&T (R)

Parivahan Bhavan,
 1, Sansad Marg
 New Delhi-110001

F. No. RW/NH/33044/39/2014/S&R(R)

Date : 9th June, 2015

To

The Highway Administration

(As per the list enclosed at Appendix 1, 71 in no.,

List and address submitted by M/s Reliance Jio Infocomm Ltd.)

Subject: Single window clearance for granting Right of Way Permission to Telecom Service Licensees/Infrastructure Providers for installing telecom infrastructure along NHs within National Highway ROW – regarding Proposal of M/s Reliance Jio Infocomm Ltd. for installation of 75,916 Poles in 19 states .

Sir,

M/s Reliance Jio Infocomm Ltd. vide their letter no. RJIL/OFC/ROW/MoRTH/2015-16/23 dated 07.05.2015 has requested the Ministry for granting the permission for installing 75916 Poles spanning across 19 States (Summary of poles enclosed at Annexure-1 and state wise list of poles at Annexure - 2 to Annexure-20) citing references of their letters dt.08.10.2014, 21.11.2014, 18.12.2014 & 03.02.2015 in the matter. A copy of the referred letters is enclosed at Appendix II.

2. Ministry vide letter no. H-39011/16/2012-P&P dt. 08.01.2015 had approved the proposal of M/s Reliance Jio Infocomm Ltd. for installation of 82,649 telecom poles, each over an area of 0.5m x 0.5m within the ROW of NHs for carrying OFC overhead to facilitate 4G services in reference to their letter no. RJIL/OFC/ROW/MoRTH/14-15/R/11 dt. 08.10.2014 and subsequent clarifications submitted vide letters dt. 24.11.2014 & 18.12.2014. A copy of the letters dt. 08.01.15 & 24.11.14 is enclosed at Appendix III. This approval was accorded subject to technical feasibility to be ascertained by the concerned field officials/ Project Director of the Ministry/NHAI. However, to fulfill the requirement stipulated under para 7 of Annexure-I of the Ministry's Circular No H-39011/16/2012-P&P dated 02.04.2014, a Committee was constituted to act as a Single Window for coordinating all activities for granting ROW permission to Telecom Services Licensees/Infrastructure Providers for installing telecom infrastructure along National Highways. A meeting of the said Committee was held on 15.05.2015 wherein the aforesaid proposal of M/s Reliance Jio Infocom Ltd. for installation of 75,916 Poles in 19 states was discussed in the light of Ministry's extant guidelines. A copy of minutes of the meeting issued vide OM dated 08.06.15 is enclosed at Appendix IV.

3. Keeping in view the approval already accorded by the Competent Authority vide letter dated 08.01.2015 for installation of 82,649 telecom poles, the single window clearance is granted to the instant Proposal of M/s Reliance Jio Infocomm Ltd. for installation of 75916 Poles

Contd. on page 2

in 19 states for forwarding the same to the respective Highway Administration for making requisite agreements in the matter as per the conditions laid down in the Ministry's said Circular dated 02.04.2014 after making Joint Survey with the representatives of the applicant regarding technical feasibility and for determination of license fee and its deposition with the respective Highway Administration. The respective Highway Administration is requested to take further necessary action in the matter accordingly.

Encl. : As stated above.

Yours faithfully,


09/06/15
(Rajender Kumar)

Executive Engineer (S, R&T) (Roads)
For Director General (Road Development) & SS
Tel. : 011-23314330, E-mail : rajender.kumar68@nic.in

Copy to

1. The Deputy Director General (AS-1), Department of Telecommunications, Ministry of Communications & IT, Sanchar Bhawan, 20, Ashoka Road, New Delhi -110001 (Kind Attn. : Sh. Paramjeet Chadha, Under Secretary).
2. Sh. Sanjeev Pathak, Authorised Signatory M/s Reliance Jio Infocomm Ltd., Reliance House, RK Four Square Building No.-4, DLF Cyber City Ph-II, Gurgaon-122002 (E-mail : sanjeev.k.pathak@ril.com, Mobile 9910256569, Phone : 0124-6625562. Registered Office- M/s Reliance Jio Infocomm Ltd., 3rd Floor, Maker Chambers IV, 222, Nariman Point, Mumbai - 400021 (Telephone : 022-22785500 ; Fax : 022-22785560).

Copy also to the following :

1. The Chairman, NHAI, G-5 & 6, Sector-10, Dwarka, New Delhi-110 075.
2. ADG-I/ ADG-II, MoRTH
3. Co-ordinators - II/III, MoRTH
4. All Chief Engineers in the Ministry of Road Transport & Highways
5. All Joint Secretaries in the Ministry of Road Transport & Highways
6. The Managing Director, NHIDCL, PTI Building, 4, Parliament Street, New Delhi - 110 001
7. NIC-for uploading on Ministry's website.

Copy for kind information to:

1. PS to Hon'ble Minister (RTH&S)/ PS to Hon'ble MOS (RTH&S)
2. Sr. PPS to Secretary (RT&H)
3. PPS to SS&FA

RJIL/OFC/ROW/MoRTH/2015-16/30

March 4th, 2016

Executive Engineer (S,R&T)(Roads)
Ministry of Road Transport & Highways (S, R&T)(R)
Indian Academy of Highway Engineers
A-5, Block A, Sector 62, Noida, Uttar Pradesh 201301

Maybe put up for hold for a
week & committee
AEB (S&T) R
th. put up on
a part file as the
main file has become
too bulky. idmijoshi
10/6/16
08/3/16
S.T.A.

Subject: Proposal of M/s Reliance Jio Infocomm Ltd for setting up 8812 Ground Based Masts (GBM's) in 25 states for single Window Permission as per reference Guidelines

Reference: MoRTH Guidelines for setting up telecom infrastructure along National Highways vide letter No H-39011/16/2012-P&P, dated 02-04-2014.

Sir,

This is in furtherance to our various communications on the subject; we bring your kind attention to the major points regarding our proposal for single window clearance for establishing our telecom infrastructure along National Highway in pursuance to the MoRTH Policy No H-39011/16/2012-P&P dated 02-04-2014.

- 1) We applied to office of MoRTH; for Single window clearance with proposal for establishing about 8812 GBM's & 79314 Poles across various states along National Highway for our 4G broadband Services.
- 2) After due deliberations to our proposal; a Committee meeting was organized by MoRTH at their office in Ministry with all S.E's under the Chair of Director General (Road Development). A Presentation was made by M/s RJIL on the said proposals and the various queries from Committee members were answered. Subsequently, Minutes of Meeting of the said Committee Meeting approved our proposal for 75916 Poles and 8812 GBM's. Copy of the MoM is attached for reference as **Annexure A**.
- 3) Reliance Jio was granted Single Window permission for establishing 75916 Poles vide letter dated 09.06.2015. Copy is enclosed as **Annexure B**; for reference.
- 4) We were asked to provide the Chainage details for the proposed 8812 GBM's; and the details for 6435 has been provided/submitted vide our letters dated 25-08-2015 and 03-12-2015. Summary of the details provided is enclosed as **Annexure C**.
- 5) We requested for grant of Single window permission for the submitted proposal at regular intervals vide our letter dated 05-02-2015.



- 6) We also submitted the space requirement for each of the proposed site as 9Mtr x 9 Mtr vide our letter dated 16-11-2015. Here we wish to state that the space requirement for our proposed Sites is 81-100 Sq Mtrs but still we can look at accommodating our sites in lesser area depending on availability of space on Ground.
- 7) We are also proposing to put up some sites with Green Energy Initiatives using Solar Panels for which our area requirement will be about 225 Sqmtr (MENTION SIZE HERE) and these will be installed wherever we find space suitable for such initiatives. We are enclosing the schematic diagram for such sites as Annexure D; for your kind reference.

Our project for establishing the telecom infrastructure which shall be a catalyst to our Prime Minister Dream Project of **Digital India**. We request you to kindly grant us the permission for the submitted 6435 Sites at the earliest.

Thanking You

Yours faithfully,
For Reliance Jio Infocomm Limited


Authorized Signatory

For Communication: Please write at:
Reliance House, RK Four Square Building No-4 DLF Cyber City Ph-II Gurgaon 122002 Haryana

Reliance Jio Infocomm Limited (Formerly, Infotel Broadband Services Limited); CINU72900MH2007PLC234712

Registered Office: 9th Floor, Maker Chambers IV, 222, Nariman Point, Mumbai Maharashtra-400021



**GOVERNMENT OF INDIA
MINISTRY OF ROAD TRANSPORT & HIGHWAYS
S,R&T (R)**

Parivahan Bhavan,
1, Sansad Marg
New Delhi-110001

F. No. RW/NH/33044/39/2014/S&R(R)

Date : June 8, 2015

OFFICE MEMORANDUM

Subject: Minutes of the meeting of the Committee held on 15.05.2015 at 1500 Hours in Conference Room (Ground Floor) of Transport Bhavan to grant Right of Way Permission to Telecom Service Licensees/Infrastructure Providers for installing telecom infrastructure along NHs within National Highway ROW.

Please refer OM of even no. dated 29.05.2015 vide which draft minutes of the meeting as in the subject cited above were forwarded to the members of the Committee for furnishing their comments on or before 1st June, 2015. In this regard, comments were received from two members. The same have been incorporated. Accordingly, please find enclosed herewith the finally approved minutes of the meeting for your reference.

Encl. : As stated above.

(Rajender Kumar)
08/06/15

**Executive Engineer (S, R&T) (Roads)
for Director General (Road Development) & SS
Tel. : 011-23314330, E-mail : rajender.kumar68@nic.in**

To

1. Superintending Engineer, PPP – Sh. Rakesh Kumar
2. Superintending Engineers of the concerned States
 - (i) SE (P-1) – Sh. O.P. Srivastava for the States of Punjab & Himachal Pradesh
 - (ii) SE (P-1) – Sh. Dheeraj for the States of Haryana, J&K & Chandigarh.
 - (iii) SE (P-2) – Sh. T.T. Negi for the States of Uttar Pradesh (West), Uttarakhand and Delhi.
 - (iv) SE (P-2) – Sh. B.T. Sridhar for the State of Uttar Pradesh (East)
 - (v) SE (P-3) – Sh. Akhil Khare for the States of Bihar & Jharkhand.
 - (vi) Ex-SE (P-3) – Sh. Ajmer Singh presently CGM, NHAI for the States of West Bengal & Andaman Nicobar Islands.
 - (vii) SE (P-4) – Sh. Pankaj Aggarwal for the States of Rajasthan & Gujarat.
 - (viii) SE (P-5) – Sh. U.C. Katara for the States of Madhya Pradesh & Chhattisgarh.
 - (ix) SE (P-5) – Sh. S.C. Mandal for the State of Orissa.
 - (x) SE (P-6) – Sh. S.K. Arya for Sh. Sadanand Babu for the States of Karnataka, Maharashtra & Goa.
 - (xi) SE (P-7) – Sh. Sanjeev Kumar for the State of Tamil Nadu.
 - (xii) SE (P-7) – Sh. R.P. Singh for the States of Kerala, Andhra Pradesh & Telangana.

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- (xiii) SE (P-8) – Sh. D.K. Sharma for the States of Manipur, Mizoram & Nagaland.
 - (xiv) SE (P-8) – Sh. M.S. Sisodia for the States of Meghalaya, Sikkim & Tripura.
 - (xv) SE (P-8) – Sh. W. Blah for the State of Assam.
 - (xvi) SE (P-8) – Sh. L.T.Behra for the State of Arunachal Pradesh
3. The Deputy Director General, Department of Telecommunications, Ministry of Communications & IT, Sanchar Bhawan, 20, Ashoka Road, New Delhi -110001 (Kind Attn. : Sh. Paramjeet Chadha, Under Secretary).
4. Sh. Sanjeev Pathak, Authorised Signatory M/s Reliance Jio Infocomm Ltd., Reliance House, RK Four Square Building No.-4, DLF Cyber City Ph-II, Gurgaon-122002 (E-mail : sanjeev.k.pathak@ril.com, Mobile 9910256569, Phone : 0124-6625562. Registered Office- M/s Reliance Jio Infocomm Ltd., 3rd Floor, Maker Chambers IV, 222, Nariman Point, Mumbai -400021 (Telephone : 022-22785500 ; Fax : 022-22785560).

Annexure -I

RW/NH/33044/39/2014/S&R(R)

Minutes of the meeting of the Committee held on 15.05.2015 at 1500 Hours in Conference Room (Ground Floor) of Transport Bhavan to grant Right of Way Permission to Telecom Service Licensees/Infrastructure Providers for installing telecom infrastructure along NHs within National Highway ROW.

List of Participants

A) Ministry of Road Transport & Highways

1. Chief Engineer, SR&T (R) – Chairman of the Committee – Sh. R.K.Singh
2. Superintending Engineer, SR&T (R) – Member - Sh. Sharad Varshney
3. Superintending Engineer, PPP – Member – Sh. Rakesh Kumar
4. Superintending Engineers of the concerned States – Members
 - (i) SE (P-1) – Sh. O.P. Srivastava for the States of Punjab & Himachal Pradesh
 - (ii) SE (P-1) – Sh. Dheeraj for the States of Haryana, J&K & Chandigarh.
 - (iii) SE (P-2) – Sh. T.T. Negi for the States of Uttar Pradesh (West), Uttarakhand and Delhi.
 - (iv) SE (P-2) – Sh. B.T. Sridhar for the State of Uttar Pradesh (East)
 - (v) SE (P-3) – Sh. Akhil Khare for the States of Bihar & Jharkhand.
 - (vi) SE (P-3) – Sh. Ajmer Singh for the States of West Bengal & Andaman Nicobar Islands.
 - (vii) SE (P-4) – Sh. Pankaj Aggarwal for the States of Rajasthan & Gujarat.
 - (viii) SE (P-5) – Sh. U.C. Katara for the States of Madhya Pradesh & Chhattisgarh.
 - (ix) SE (P-5) – Sh. S.C. Mandal for the State of Orissa.
 - (x) SE (P-6) – Sh. S.K. Arya for Sh. Sadanand Babu for the States of Karnataka, Maharashtra & Goa.
 - (xi) SE (P-7) – Sh. Sanjeev Kumar for the State of Tamil Nadu.
 - (xii) SE (P-7) – Sh. R.P. Singh for the States of Kerala, Andhra Pradesh & Telangana.
 - (xiii) SE (P-8) – Sh. D.K. Sharma for the States of Manipur, Mizoram & Nagaland.
 - (xiv) SE (P-8) – Sh. M.S. Sisodia for the States of Meghalaya, Sikkim & Tripura.
 - (xv) SE (P-8) – Sh. W. Blah for the State of Assam.
 - (xvi) SE (P-8) – Sh. L.T.Behra for the State of Arunachal Pradesh
5. Executive Engineer, SR&T (R) – Member Secretary - Sh. Rajender Kumar

(B) Ministry of Telecommunication & IT, Department of Telecommunications

1. Sh. Paramjeet Chadha, Under Secretary

(C) Representatives of the applicant M/s Reliance Jio Infocomm Ltd.(RJIL)

1. Sh. Sunil Kulshrestha, President RJIL
2. Sh. Deepak Sharma, General Manager, RJIL
3. Sh. Sanjeev Pathak, DGM, RJIL
4. Sh. Chandershekhar Chowdhry, Manager, ROW-RIL-JIO
5. Sh. Anurag Kumar, Lead Mast, RJIL

RW/NH/33044/39/2014/S&R(R)

Minutes of the meeting of the Committee held on 15.05.2015 at 1500 Hours in Conference Room (Ground Floor) of Transport Bhavan to grant Right of Way Permission to Telecom Service Licensees/Infrastructure Providers for installing telecom infrastructure along NHs within National Highway ROW.

List of the Participants is enclosed at Annexure-I

2. At the outset, Chairman of the Committee welcomed all the Participants. Thereafter the proposals received from the applicant M/s Reliance Jio Infocomm Ltd. were apprised to the Committee Members as follows :

Matter A - Proposal for installation of 75916 Poles in 19 states

- (i) A License Agreement for Unified License has been entered on 21.10.2013 between Ministry of Communications and IT, Department of Telecommunication and M/s Reliance Jio Infocomm Ltd. for a period of 20 years with effect from 21.10.2013 for all telecom services except GMPCS service for all the Service areas.
- (ii) Ministry granted an approval to M/s Reliance Jio Infocomm Ltd. for laying the OFC in a length of 15654.25 Km in 17 states vide letter No. RW/NH-33044/44/2013-S&R(R) dt. 27.11.13 and for a length of 2507.96 Km in 20 states vide letter No. RW/NH-33044/44/2013-S&R(R) dt. 02.01.2014.
- (iii) Ministry vide Highway Zone letter no. H-39011/16/2012-P&P dt. 08.01.2015 addressed to DG(RD)&SS has approved the proposal of M/s Reliance Jio Infocomm Ltd. for installation of 82,649 telecom poles, each over an area of 0.5m x 0.5m within the ROW of NHs for carrying OFC overhead to facilitate 4G services in reference to their letter no. RJIL/OFC/ROW/MoRTH/14-15/R/11 dt. 08.10.2014 and subsequent clarifications submitted vide letters dt. 24.11.2014 & 18.12.2014. This approval has been accorded subject to technical feasibility to be ascertained by the concerned field officials/ Project Director of the Ministry/NHAI.
- (iv) Now M/s Reliance Jio Infocomm Ltd. vide their letter no. RJIL/OFC/ROW/MoRTH/2015-16/23 dated 07.05.2015 have requested for granting the permission for installing 75916 Poles spanning across 19 States citing references of their letters dt.08.10.2014, 21.11.2014, 18.12.2014 & 03.02.2015 in the matter. It has also been pointed out by them that the license Fee/Rent as computed for 75916 Poles comes to Rs.1.33 Crore for a period of 10 years as per Ministry's circular No.H-39011/16/2012-P&P dated 02.04.2014.

Matter B - Proposal for setting up 8812 Ground Based Masts (GBMs) in 25 states

- (i) Highway Zone vide letter no. H-39011/16/2012-P&P dt. 08.01.2015 addressed to DG(RD)&SS has forwarded a copy of the letter dt. 20.12.2014 received from M/s Reliance Jio Infocomm Ltd. for obtaining Single Window Permission for proposed setting up of 8812 Ground Based Masts(GBMs) at locations across 25 states for taking necessary action in the matter.
- (ii) M/s Reliance Jio Infocomm Ltd. has made an estimate of licence fee of Rs. 11.92 crore for a licence period of 20 years and have further submitted that they are ready to pay this amount upfront for speedy implementations of the 4G Telecom Infrastructure in India.

- (iii) The applicant vide their letter dt. 03.02.2015 has drawn reference of the Ministry's Highways Zone letter dt. 08.01.2015 and requested for expediting disposal of their proposal in order to complete their project on schedule and start providing 4G broadband services across Pan India.
3. Chairman of the Committee thereafter asked the applicant M/s Reliance Jio Infocomm Ltd. to make a brief presentation of the proposal and drawings/photographs of the proposed infrastructure. After that Sh Sanjeev Pathak, D.G.M , RJIL made a brief presentation as follows:

3.1 Matter A - Proposal for installation of 75916 Poles in 19 states

- (i) The objective of installing the Poles for Aerial /Overhead OFC is for fast execution of the 4G Project for limiting length of about 10 percent only under exceptional circumstances such as hard rock, poor soil conditions, where it is not feasible to lay underground cable, where underground Cable is damaged or where the sub soil is very hard and trenchless method is not feasible. Hence the instant proposal for installing the Poles for Aerial Cabling has been submitted for short but multiple spans. This overhead cabling will be temporary in nature, though the Company is ready to pay the licence fee for a period of 10 years, this Aerial cabling shall be put underground, as and when and wherever possible, as per the directions of MoRTH.
- (ii) The instant proposal is for installation of 75916 Poles spanning across North East and 18 other states covering a length of 5491 kms of National Highways.
- (iii) The height of the proposed poles shall be 6 to 9 M and the average distance between the successive poles shall be approximately 70 M.
- (iv) The area of the land required for installing each pole shall be 0.5m x 0.5m.
- (v) The crossing of the National Highways shall be done through Horizontal Directional Drilling (trenchless) method.
- (vi) The schematic diagram of the poles & detailed pictorial presentation of the poles installed in the office of Reliance Jio in Mumbai including aerial cabling done with all the required accessories for hanging the cables was shown to the committee members.

3.2 Matter B - Proposal for setting up 8812 Ground Based Masts (GBMs) in 25 states

- (i) The objective of installing the Ground based Masts/towers is for providing seamless uninterrupted broadband 4G telecom services to increase the coverage of high speed internet connectivity across India. This will also increase the penetration of internet connectivity among the rural, semi urban and Urban areas. This shall enable the high speed internet connectivity and coverage across the National Highways corridor. The Company is ready to pay the licence fee for a period of 20 years or co-terminus with the validity of their License with Department of Telecommunication.
- (ii) The instant proposal is for installation of 8812 Ground based Masts/Towers spanning across 25 states in India.
- (iii) The height of the proposed GBM/GBT's shall be from 15M to 60 M and the average distance between the successive GBM/GBT's shall be approximately 1 to 5 Kms

depending upon the RF (radio frequency) planning and network coverage and traffic congestion.

- (iv) The area of the land required for the GBM/GBT's shall be maximum 10m x 10m.
- (v) These GBM/GBT's shall be either connected with Optical Fibre Cable or Micro Wave.
- (vi) The crossing of the National Highways for connecting these GBM/GBT's with Optical fibre cable shall be done through Horizontal Directional Drilling (trenchless) method.
- (vii) The typical drawing & detailed pictorial presentation of the Ground Based Masts/Towers was shown to the committee members.
- (viii) It was informed to the Committee members that the design of the Masts/Towers including its foundation has been approved by IIT Bombay vide their letter dated 15.04.2013 & dated 01.04.2015, by IIT Delhi vide their letter dated 01.08.2008, by CPRI, Bangalore vide their letter dated 14.08.2013.

4. Issues Raised by the Committee Members

- (i). It was enquired by a member of the committee that when the administrative approval has already been accorded by the Ministry vide Highway Zone letter dated 08.01.2015, what is the purpose of constituting this committee. It was brought to the notice of the committee members that this committee has been constituted with the approval of DG(RD) & SS, MoRTH to fulfill the requirement stipulated under para 7 of Annexure-I of the Ministry's letter No H-39011/16/2012-P&P dated 02.04.2014 to act as a Single Window for coordinating all activities for granting ROW permission to Telecom Services Licensees/Infrastructure Providers for installing telecom infrastructure along National Highways.
- (ii). It was opined by some members that the distance of the poles should be at least 10m from the centre line of the outer most carriageway or the poles should be installed at the extreme edge of the ROW. On this it was clarified that the poles will be installed as per the provision mentioned in para 14 of the Ministry's guidelines dated 02.04.2014.
- (iii). It was apprehended by some members that once the permission is granted for installing poles in the ROW, then it will be very difficult to get the same shifted/removed at the time of expansion/widening of the National Highways. On this, it was pointed out that this will be taken care of at the time of entering agreement between Highway Administrators & Telecom Infrastructure Providers wherein suitable provision will be made for shifting of the Poles by the Telecom Infrastructure Providers at the time of expansion/widening of the National Highways.
- (iv). It was apprehended by some members that presently the proposal has come from M/s Reliance Jio Infocomm Ltd and in future such proposals may come from other players in this field like Vodafone, Airtel, Idea etc. On this, the representative of the Ministry of Telecommunication pointed out that the licensees have the privileges for getting permission for Right of Way for installing these Poles by virtue of the provisions of section 4 of the Indian

Telegraph Act, 1885 and permission to different players is to be given as and when the proposals from such players are received.

- (v) It was pointed out by some members that as per the Ministry's circular dated 02.04.2014 the permission to install telecom Infrastructure along National Highways is to be granted on payment of license fee. Further, this permission is required to be granted under the relevant provisions of The Control of National Highways (Land & Traffic) Act, 2002. However, there are different provisions of calculation of license fee/rent in the Act and Ministry's circular dated 02.04.2014. Under such circumstances, the provisions mentioned in the Act will be given priority over that given in the circular dated 02.04.2014. On this it was clarified that as per the Ministry's Circular dated 02.04.2014, the guidelines have been prepared under the overall provisions of the Control of National Highways (Land & Traffic) Act, 2002 & Highway Administration Rules, 2004.
- (vi) It was brought to the notice of the Committee that the Applicant M/s Reliance Jio Infocomm Ltd vide their letter dt. 07.05.2015 has mentioned that the license Fee/Rent as computed for 75916 Poles comes to Rs.1.33 crore for a period of 10 years. It has also been confirmed by the applicant that they are willing to pay the amount of Rs. 1.33 crore upfront on issuance of requisite demand note from Ministry and any difference if found after completion of work on the ground will be considered for payment on issuance of additional demand note and excess amount paid by M/s Reliance Jio Infocomm Ltd. should be returned back to them on reconciliation. On this, it was opined by the members that instead of taking License fee in the Ministry Head Quarter, it will be more appropriate that the fee is deposited at the respective Highway Administration after joint survey with the representatives of the applicant and after ensuring that the particular location of Poles falls in Rural Area/Municipal Area/Cities having a population of more than 10 Lakhs/Metropolitan Cities.

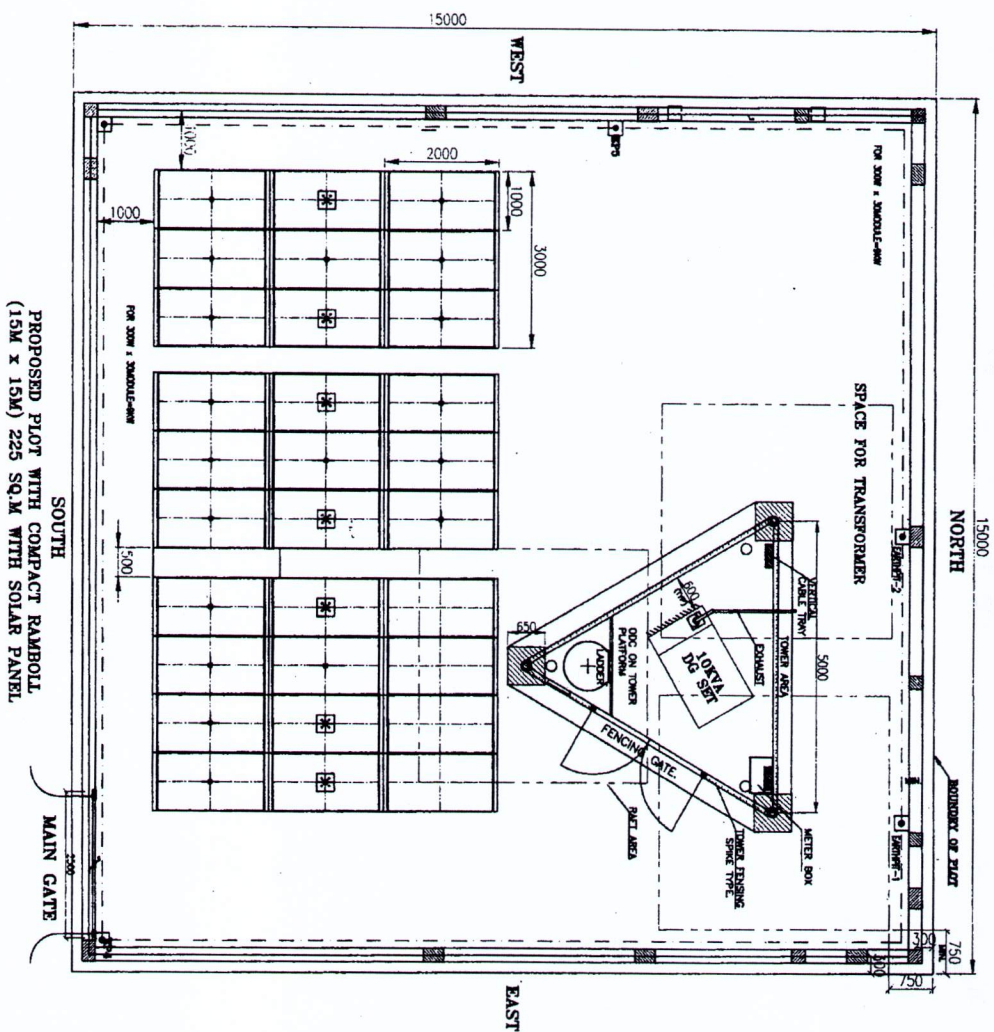
5. **Recommendation of the Committee** – After discussing the proposals in detail as mentioned above and keeping in view of the approval already accorded by the Competent Authority, MoRTH (Secretary, RTH) vide Highways Zone letter dated 08.01.2015 for installation of 82,649 telecom poles, the Committee recommended that the instant Proposal of installing 75916 Poles in 19 states should be forwarded to the respective Highway Administration for technical feasibility, Joint Survey with the representatives of the applicant, determination of license fee and its deposition with the Highway Administration and for making agreements in the matter as per the conditions stipulated in the Ministry's circular dated 02.04.2014. Regarding installation of 8812 Ground Based Masts/Towers (GBM/GBTs) in 25 states, the Committee was of the opinion that the technical feasibility vis a vis availability of space in the ROW for the same can only be explored by the respective Highway Administration after Joint Survey with the representative of the applicant and accordingly the proposal should be sent to the respective Highway Administration for taking further necessary action in the matter.

The Meeting ended with a vote of thanks to the Chair.

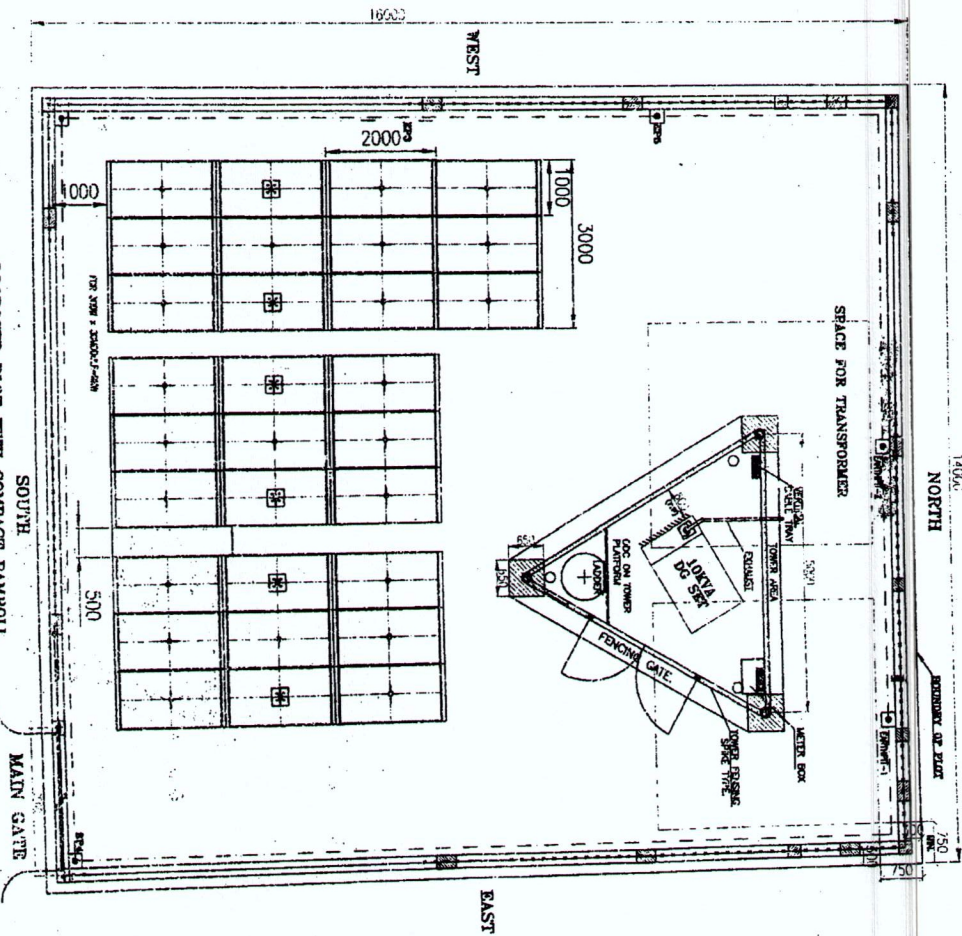
A

State wise GBM applied	
State	No of GBM
ANDHRA PRADESH	427
ASSAM	335
BIHAR	558
CHATTISGARH	248
GUJARAT	404
HARYANA	46
JAMMU & KASHMIR	192
JHARKHAND	239
KARNATAKA	581
KERALA	197
MADHYA PRADESH	588
NORTHEAST	181
ORISSA	539
TAMIL NADU	438
UTTAR PRADESH	1035
WEST BENGAL	427
Total	6435

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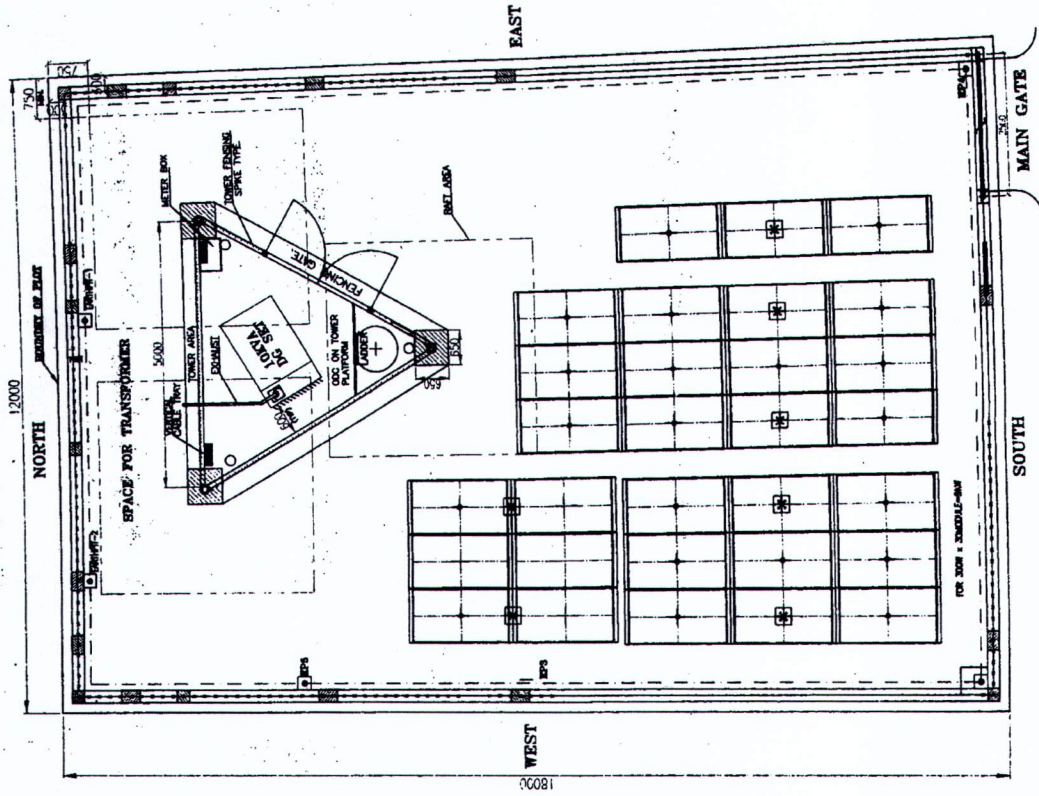


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PRODUCED BY AN AUTODESK EDUCATIONAL PRODUCT
2-NOTED

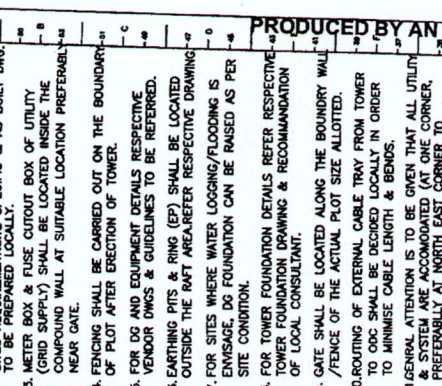
PROPOSED PLOT WITH COMPACT RAMBOLL
(12M x 18M) 224 SQ.M WITH SOLAR PANEL



PRODUCED BY AN AUTODESK EDUCATIONAL PRODUCT

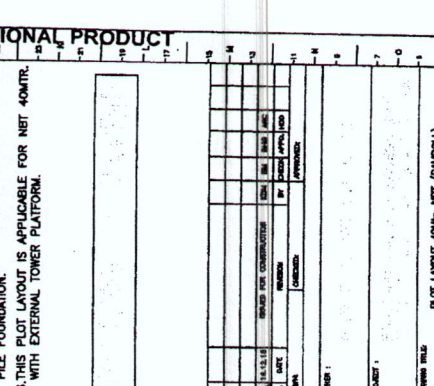
PRODUCED BY AN AUTOMATED PROCESS

1. ALL DIMENSIONS ARE IN MM UNLESS OTHERWISE NOTED.
2. ORIENTATION OF THE FACILITY SHALL BE BASED ON SITES REQUIREMENT/SITE SPECIFIC & AS BUILT Dwg. TO BE PREPARED LOCALLY.
3. METER BOX & FUSE CUTOUT BOX OF UTILITY (GRID SUPPLY) SHALL BE LOCATED INSIDE THE COMPOUND WALL AT SUITABLE LOCATION PREFERABLY NEAR GATE.

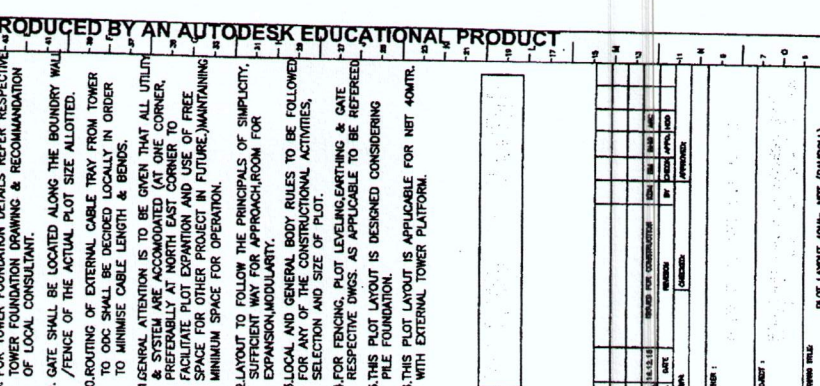


SPACE FOR OTHER PROJECT IN FUTURE.) MAINTAINING MINIMUM SPACE FOR OPERATION.

- LOCAL AND GENERAL BODY RULES TO BE FOLLOWED FOR ANY OF THE CONSTRUCTIONAL ACTIVITIES, SELECTION AND SIZE OF PLOT.



	Sale	Product No.	Deferred Mo.	Rc%	B.	P.



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Annexure -II
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**GOVERNMENT OF INDIA
MINISTRY OF ROAD TRANSPORT & HIGHWAYS
S,R&T (R)**

IAHE Campus
A-5, Sector 62
Noida - 201301

F. No. RW/NH/33044/39/2014/S&R(R)

Date : 28th April, 2016

OFFICE MEMORANDUM

Subject: Minutes of the meeting of the Committee held on 22.03.2016 at 11:30 Hours in the chamber of Chief Engineer (S,R&T)(R) to grant Right of Way Permission to M/s Reliance Jio Infocomm Ltd. Telecom Service Licensee/Infrastructure Provider for installing telecom infrastructure along NHs within National Highway ROW.

Please refer to the Ministry's OM of even no. dated 07-04-2016 vide which draft minutes of the meeting were forwarded to the members of the Committee for furnishing their comments latest by 14th April, 2016. In this regard, no comments were received from the members who were not present in the meeting. Accordingly, please find enclosed herewith the finally approved minutes of the meeting for your reference.

Encl. : As stated above.

Amiyanshu
(Amiyanshu)

**Assistant Executive Engineer (S, R&T) (Roads)
for Director General (Road Development) & SS
E-mail : ami.yanshu@gov.in**

1. To all Committee members:

- i. CE, SR&T(R)
- ii. SE, SR&T(R)
- iii. SE (PPP)
- iv. SE (P-1) –Jammu & Kashmir, Haryana
- v. SE (P-2) –Uttar Pradesh.
- vi. SE (P-3) – West Bengal, Bihar, Jharkhand
- vii. SE (P-4) – Gujarat
- viii. SE (P-5) –Chattisgarh, Madhya Pradesh, Odisha
- ix. SE (P-6) –Karnataka
- x. SE (P-7) – Andhra Pradesh, Kerala, Tamil Nadu
- xi. SE (NER) –Assam, Northeast

2. Sh. Sanjeev Pathak, Authorised Signatory M/s Reliance Jio Infocomm Ltd., Reliance House, RK Four Square Building No.-4, DLF Cyber City Ph-II, Gurgaon-122002 (E-mail: sanjeev.k.pathak@ril.com, Mobile 9910256569, Phone: 0124-6625562. Registered Office- M/s Reliance Jio Infocomm Ltd., 3rd Floor, Maker Chambers IV, 222, Nariman Point, Mumbai-400021 (Telephone: 022-22785500; Fax: 022-22785560)

Minutes of the meeting of the Committee held on 22.03.2016 at 16:00 Hours in the chamber of Chief Engineer (S,R&T)(R) to grant Right of Way Permission to M/s Reliance Jio Infocomm Ltd. Telecom Service Licensee/Infrastructure Provider for installing 6435 Ground Based Masts (GBMs) along NHs within National Highway ROW.

List of the Participants is enclosed at Annexure-I

2. At the outset, Chairman of the Committee welcomed all the Participants. Thereafter the proposal received from the applicant M/s Reliance Jio Infocomm Ltd. was apprised to the Committee Members as follows :

- (i) A License Agreement for Unified License has been entered on 21.10.2013 between Ministry of Communications and IT, Department of Telecommunication and M/s Reliance Jio Infocomm Ltd. for a period of 20 years with effect from 21.10.2013 for all telecom services except GMPCS service for all the Service areas.
 - (ii) Highway Zone vide letter no. H-39011/16/2012-P&P dt. 08.01.2015 addressed to DG(RD)&SS has forwarded a copy of the letter dt. 20.12.2014 received from M/s Reliance Jio Infocomm Ltd. for obtaining Single Window Permission for proposed setting up of 8812 Ground Based Masts(GBMs) for taking necessary action in the matter.
 - (iii) A meeting of the Committee under CE, SR&T(R) to grant Single window RoW permission to telecom infrastructure was held on 15-05-2015 to consider the proposal of Reliance Jio Infocomm Ltd. for considering the aforementioned proposal. Reference minutes of the meeting circulated vide Ministry's OM no. RW/NH-33044/39/2014-S&R(R) dated 08-06-2015, the Committee was of the opinion that the technical feasibility vis a vis availability of space in ROW for the same can only be explored by the respective Highway Administration after joint survey with the representative of the applicant and accordingly the proposal should be sent to the respective Highway Administration for taking further necessary action in the matter.
 - (iv) M/s Reliance Jio Infocomm provided the Chainage details for 6435 GBMs vide their letters dated 25-08-2015 and 03-12-2015.
 - (v) M/s Reliance Jio Infocomm Ltd. vide their letter no. RJIL /OFC /ROW /MoRTH/2015-16/30 dated 04-03-2016 have requested the Ministry to grant permission for installation of 6435 Ground Based Masts (GBMs) out of total 8812 GBMs earlier proposed.
 - (vi) They have also submitted that the space requirement for each of the proposed site is 81-100 sqr mtr but can still look at accommodating their sites in lesser area depending o the space available on the ground. They have also proposed setting up of solar panels at some sites for which their area requirement would be about 225 sqr. Meters.
3. Chairman of the Committee thereafter asked the applicant M/s Reliance Jio Infocomm Ltd. to make a brief presentation of the proposal and drawings/photographs of the proposed infrastructure. After

that Sh Sanjeev Pathak from M/s Reliance Jio Infocomm Ltd. made a brief presentation as follows:

- (i) The objective of installing the GBMs for universal mobile connectivity for the rollout of high speed broadband network along National Highways.
- (ii) The rollout of 4G services will also enable Government of India's initiatives like Make in India, Digital India, Education for All (RTE), Smart Cities, E-Governance and Medical Tourism.
- (iii) It was also mentioned that 4G broadband network will have widespread social and economic benefits and also boost GDP growth and Reliance Jio Infocomm is the only private operator with a pan India 4G spectrum.
- (iv) Ground Bases Towers will be used for rollout of 4G network. The Mid Platform shall be used for housing the electronic equipment and associated utility equipment like SMPS, Battery within ODC while the top of the mast will house antennas. There will also be a DG/Fuel Cell caged within the footprint of the tower at the base.
- (v) It was also mentioned that 4G spectrum in 2300 MHz band requires higher number of base stations than 2G/3G for covering equal geographical area.
- (vi) The structural details of the GBMs proposed are as follows:
 - Typical heights: 30m, 40m
 - Materials used in the masts: Steel
 - Structurally certified for wind loads upto 180 kph
 - Safety measures for workmen – Fall arrester
 - Types of foundation: Pile, Isolated Raft
 - Space requirement on the ground: Maximum 10x10 meters or 100 sq. Meters.

4. **Issues Raised by the Committee Members**

- (i). It was suggested by the committee to reduce the size of space required on the ground for GBMs as the proposed 10m x 10m may not be feasible on all locations of National Highways as most of the National Highways have ROW even less than 25 meters and that it may constrain the future widening/development of highway infrastructure. The Committee asked the representatives of M/s Reliance Jio Infocomm Ltd. to present an alternative scheme/design which requires a much lesser space.
To this, the representatives of Reliance Jio Infocomm presented a new design as per which the space will be reduced to 7m x 5m (35 sq. Meters area) with DG set and 5m x 5m without DG to which the Committee members agreed. The Committee, however asked the representatives of Reliance Jio Infocomm Ltd. to further reduce the plot area of GBMs wherever ROW availability is constrained and technically feasible.

- (ii). Further it was suggested to erect the proposed infrastructure at the extreme edge of ROW to which the representatives of Reliance Jio Infocomm Ltd. assured to comply.

5. **Recommendation of the Committee** – After discussing the proposals in detail as mentioned above for installation of Monopoles, the Committee recommended that the instant Proposal of installing of 6435 nos. of Ground Based Masts (GBMs) should be forwarded to the respective Highway Administration for technical feasibility vis a vis availability of space in the ROW, determination of license fee and its deposition with the Highway Administration and for making agreements in the matter as per the conditions stipulated in the Ministry's circular dated 02.04.2014.

The Meeting ended with a vote of thanks to the Chair.

Annexure -IRW/NH-33044/39/2014/ S&R (R)

Meeting of the Committee held on 22.03.2016 at 16:00 Hours in the chamber of Chief Engineer (S,R&T)(R) to grant Right of Way Permission to M/s Reliance Jio Infocomm Ltd. Telecom Service Licensee/Infrastructure Provider for installing 6435 GBMs along NHs within National Highway ROW

List of Participants(A) Committee Members:

1. Dr. S.K Verma, CE S,R&T (R)
2. Sh. U.C Katara, SE S,R&R (R)
3. Sh. Amiyanshu, AEE, SR&T(R)

(B) Representatives of M/s Reliance Jio Infocomm Ltd:

1. Sh. Sanjeev Pathak
2. Sh. Sunil Kumar Kulshreshtha
3. Sh. Deepak K. Sharma
4. Sh. Anurag Kumar