



सत्यमेव जयते

भारतीय राष्ट्रीय राजमार्ग प्राधिकरण
(सड़क परिवहन और राजमार्ग मंत्रालय, भारत सरकार)
National Highways Authority of India
(Ministry of Road Transport & Highways, Govt. of India)
परियोजना कार्यान्वयन इकाई, गाज़ियाबाद
Project Implementation Unit, Ghaziabad

Under CWG Flyover, at Km. 2+000 of NH-9 (Old NH-24), Near Akshardham Temple, Delhi-110092
सी डब्ल्यू जी फ्लाईओवर के नीचे, कि. मी. 2+000 एन एच-9, (पुराना एन एच-24), अक्षरधाम मंदिर के निकट, दिल्ली-110092

टेलीफोन : +919560963936
ई-मेल : gha@nhai.org
E-mail : nh24ghaziabad@gmail.com
वेबसाइट : www.nhai.gov.in



NHAI/PIU-GZB/DME-I&II/12029/NOC/2021/ **E-2516**

Dated 18.12.2021

To,

The Senior Technical Director,
National Informatics Centre,
Ministry of Road Transport & Highways,
Transport Bhavan, 1, Parliament Street,
New Delhi- 110001.

Sub: Permission for laying of Optical Fiber Cable (OFC) of M/s. Bharat Sanchar Nigam Ltd from h. 0.000 to 23.500 (LHS) along ROW on NH-24 (Delhi Ghaziabad Hapur Road) in the state of Delhi & Uttar Pradesh **Reg. : Invitation of Public Objections Requested.**

Ref:

- (i) M/s. BSNL letter no. NOC/NH/BSNL/DGH/OFC/001 dated 18.02.2021
- (ii) Gazette Notification S.O.No. 3292 (E) dated 16.09.2019

Sir,

MoRT&H has transferred the power of NOC for access permission to NHAI, as per Gazette Notification S.O.No. 3292 (E) dated 16.09.2019.

2. Now, this office would like to invite public objections for 30 days from the date of uploading in the portal, as per the MoRT&H Circular no RW/NH-33044/29/2015/S&R (R) dated 22.11.2016. This issue with approval of Competent Authority.

3. It is requested to upload the subject proposal in the MoRT&H website. If any objection received, may be communicated to the below mentioned address.

The Project Director,
Project Implementation Unit-Ghaziabad,
National Highways Authority of India (NHAI),
Under CWG Flyover, at Km. 2+000 of NH-9 (Old NH-24),
Near Akshardham Temple, Delhi-110092
Email: - gha@nhai.org , nh24ghaziabad@gmail.com

Encl: As Above

Yours faithfully,

[Signature]
18/12/2021

(Arvind Kumar)
Project Director

Copy for information & necessary action to:

- (i) Web-admin, NHAI - to upload on NHAI web site.
- (ii) RO-Delhi, NHAI HQ, New Delhi.

कार्यालय मंडल अभियंता दूरसंचार परियोजना
O/o Divisional Engineer TP NCR
D-TAX Building Eastern Court ,
Harish Chandra Mathur lane,
New Delhi-110001
Land line no. 011-23766770

भारत संचार निगम लिमिटेड
BHARAT SANCHAR NIGAM LIMITED
(भारत सरकार का उद्यम)
(A Govt. of India Enterprise)

Ref. No. NOC/NH/BSNL/DGH/OFC /001

Dated: 18/2/2021

The General Manager (T)/ Project Director
National Highways Authority of India
PIU Ghaziabad
House No. 518, Niti Khand-I, Indirapuram
Ghaziabad- 201014

Sub: Permission for laying of Optical Fibre Cable (OFC) of M/s. Bharat Sanchar Nigam Ltd from ch. 0.000 to 23.500 (LHS) along ROW on NH-24 (Delhi-Ghazaibad-Hapur Road), in the state of Delhi& Uttar Pradesh.

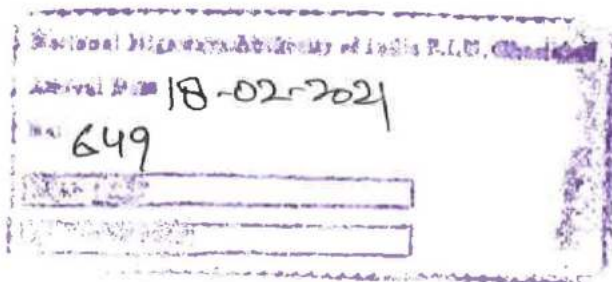
Sir,


Please find enclosed herewith the complete proposal of laying OFC Line from Ch. 0.000 to Ch. 23.500 on NH-24 Delhi-Ghazaibad-Hapur road , prepared in line with the MoRT&H guidelines issued vide dated 22.11.2016.

To carry out the laying of OFC Line in a total length of 23500 m on NH-24 it is hereby requested to kindly grant us the necessary permission at earliest please. The proposal has been submitted online and a copy of the same is enclosed herewith the proposal.

Yours faithfully

Encl. as above




Anil Kumar Mcena
Divisional Engineer TP (NCR)
Authorized Signatory
Bharat Sanchar Nigam Limited

मण्डल अभियंता
दूरसंचार परियोजना (एन.सी.आर.)
भारत संचार निगम लिमिटेड
करोल बाग दुरभाष केंद्र,
पूसा रोड, नई दिल्ली-110005



bharatkosh.gov.in

Government of India Receipt Portal

RECEIPT

Transaction Ref.No. 1202210003324

Dated: Feb 12 2021 11:58AM

Received from M/S. BHARAT SANCHAR NIGAM LIMITED with
Transaction Ref.No. 1202210003324

Dated Feb 12 2021 11:58AM the sum of INR 10000 (Ten Thousand Only)
through Internet based Online payment in the account of

License fee for laying of utility services, , OFC LINE FROM CH. 000 TO CH. 23.500
(LHS) ON NH24 ALONG ROW.

Disclaimer:- This is a system generated electronic receipt, hence no physical signature
is required for the purpose of authentication

Printed On: 12-02-2021 12:0:55

Courtesy :- Controller General of Accounts



सत्यमेव जयते

सड़क परिवहन और राजमार्ग मंत्रालय MINISTRY OF ROAD TRANSPORT & HIGHWAYS भारत सरकार Government of India

Welcome: ANIL
MAR MEENA

Applicant

Notifications/Queries +

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My Applications										
Category	Type	NH (Chainage)	Stretch	Highway Authority	Side	Location	Status	Add New Note For Private Property	Fee Type	Amount View Upload
Retail/Public Utility/Industrial Utility	New	NH24(0-30)	0.00 - 30.00	NHAI	Left	23.500	Submitted	Documents Preview & Submit	New Application (Application before submitting the application) Licence Fee (Application after getting Final Approval)	10,000.00 View 220,500.00 Upload

Note:- Proposal for grant NOC for laying Optical Fibre Cable (OFC) of M/s. Bharat Sanchar Nigam Ltd from ch. 0.000 to 23.500 (LHS) along ROW on NH-24

CHECK-LIST

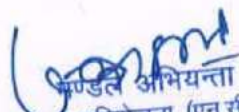
Guidelines for processing the proposal for laying of utility line in the land across National Highways vested with NHAI/PWD BRO.

Ministry circular No-RW/NH 330044/29/2015/S&R(R) Dated 22/11/2016.

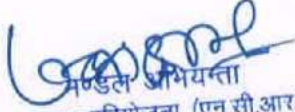
Sr.No.	Item	Information/ Status	Remarks
	General Information	Uttar Pradesh	
1	Name and Address of the Applicant / Agency	BSNL O/o Divisional , engineer TP NCR D-Tax Building Eastern Court ,Harish Chanra Mathur Lane, New Delhi- 110001	
2	National Highway Number	NH- 24	
3	State	Uttar Pradesh	
4	Location	From Ch. 0 .000 to Ch.23.500	
5	(Chainage in km)	From Ch.0.000 to 23.500	
6	Length in Meters	23500	
7	Width of available ROW in both side	90m	
8	Side of NH (left or right side of NH towards increasing change /KM/ direction)	Left Side	
9	Name of Highways Authority of NHAI/PWD/BRO	NHAI	
10	Highway Administration Address	The CGM (Tech.)/ Regional Officer, National Highway Authority of India, Regional Office, 3/248, Vishal Khand, Gomti Nagar, Lucknow- 226010	
11	Proposal to acquire land	Project Director NHAI Ghaziabad	

Project Director
NHAI PIU
Ghaziabad

Sr.	Item	Measurement observation as per site condition	MORT&H Norms	Whether complying with MORT&H Norms
1	Details of already laid utility service in any	No	Enclosed	Complying
2	Whether up gradation of the stretch in near future is proposed or not	No		N/A
	a. If yes provision of utility adversely affect the plan of up gradation	No	affect the plan of up gradation	N/A
3	Laying of the utility service along the National Highways	Yes		
3.1	Location of proposed utility service along the stretch	From ch.0.00 to 23.500 through Utility Duct& HDD pit will be done inside of ROW of NH-24	Utility duct / beyond the toe line of the embankment and drains , enclose to the extreme edge of the ROW	
3.2	Depth of the utility service from Ground level	1.65m	0.6m	Complying
3.3	Mechanism for crossing for water channel	N/A	Through utility duct (if provision exist) or beneath the bed of water channel	N/A
3.4	Whether is ROW restricted in the stretch?	No		N/A
3.4.1	If yes whether provision of land acquisition is required to lay utility	N/A		N/A
	a. If yes whether undertaking for land acquisition along with relevant L.A detail has been furnished	N/A		N/A
3.4.2	With if concrete duct , in utility service are proposed to be laid in concrete ducts	N/A	Not less than one lane	N/A
4	Laying of utility Service across the NH			
4.1	Whether existing drainage structures is allow to carry the utility lines.	No	Not to be allowed	N/A
4.2	Proposed crossing of utility service	NA	Perpendicular to NPH	Complying


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 नया दिल्ली

4.3	Type of casing pipe/conduit carrying the utility line	HDPE (have adequate strength)	Steel , cast iron , or RCC and have adequate strength	Complying
4.4	Whether ends of the casing /conduit pipe are sealed from the outside	Sealed	Sealed	Complying
4.5	Length of crossing /conduit pipe crossing NH	NA	Extend from drain to drain in cuts and toe to toe of slope in the fills	Complying
4.6	Depth of top of the casing /conduit pipe	1.65m	At least 1.2m below the top of subgrade	Complying
4.7	Crossing method in case of CC pavement	HDD	Only boring method (HDD)	Complying
4.8	Horizontal and vertical clearances in case utilities are allowed overhead	N/A (Underground only)	In accordance with IRC codes.	N/A
5	Document/drawing enclosed with the proposal	Yes Enclosed		
5.1	Cross section showing in the site of trench for open trenching method	N/A (HDD)& Through Duct	Enclosed, if applicable	N/A
5.	a. Trench width	N/A	More than 30cm and less than 60 cm wider than the outer diameters of the utility pipe	N/A
	b. Filling of trench	N/A	As per Ministry circular No-RW/NH 30044/29/2015/S&R(R) Dated 22/11/2016.	N/A
	c. Location of trench	N/A	Extreme edge of the ROW	N/A
5.2	Cross section showing the size of pit and location of conduit for HDD method	Yes enclosed	Enclosed , if applicable	Complying
5.3	Strip plan / Route plan showing utility line , chainage , width of ROW , distance of proposed utility from the edge of ROW , important mile stone , intersection , cross drainage works etc.	Yes Enclosed	Enclosed	Complying
5.4	Plan and profile drawing of stretch showing cross section of road at 20m distance along with ROW and proposed utility	Yes enclosed	Enclosed	Complying
6	Methodology for laying of utility line	Yes enclosed	Enclosed as per drawing	Complying


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 नया दूरभाष केंद्र,

7	Draft license agreement is as per Ministry circular No-RW/NH30044/29/2015/S&R(R) Dated 22/11/2016.and signed by two witness	Yes enclosed	Enclosed	Complying
8	License fee in favour of MORT&H RPAO Ghaziabad	Yes	As per Ministry circular No-RW/NH330044/29/2015/S&R(R) Dated 22/11/2016.	Complying
9	Whether bank guarantee has been obtained	Yes	As per Ministry circular No-RW/NH 30044/29/2015/S&R(R) Dated 22/11/2016.	
	a.If yes, whether confirmation of BG has been obtained as per MORT&H / NHAI guidelines	Shall be obtained		
10.1	Undertaking for not to damage other existing utility , if damaged then to pay the losses to either to MORT&H / NHAI to the cornered agency	Enclosed	Enclosed	Complying
10.2	Undertaking for renewal of bank guarantee and when asked by NHAI/MORT&H	Enclosed	Enclosed	Complying
10.3	Undertaking for conforming all standard condition of MORT&H / NHAI guidelines	Enclosed	Enclosed	Complying
10.4	Undertaking for shifting of utility as and when asked by MORT&H /NHAI within a month at their own cost	Enclosed	Enclosed	Complying
10.5	Undertaking for indemnity against all damages and claim	Enclosed	Enclosed	Complying
10.6	Undertaking for management of traffic moment during laying of utility line without hampering the traffic.	Enclosed	Enclosed	Complying
10.7	Undertaking that if any claim is raised by the concessionaire/ contractor than the same has to be paid by the applicant	Enclosed	Enclosed	Complying
10.8	Undertaking that the applicant has obtained various safety clearances	Enclosed	Enclosed	Complying


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 करोल बाग दरभाप केंद्र.

from the representative authorities such as directorate of electricity, chief controller of explosive safety of directorate , state / central pollution control board and any other statutory clearances applicable before applying to Highway Administration			
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The ROW of the National Highway available at the proposed location from the central line of divided carriageway is 45 m from central of ROW edge of ROW towards proposed utility in Rural section 45m from central of ROW edge of ROW towards proposed utility in Urban section.

The above particular along with the drawing and documents has been verified and certified as correct as per prevailing site conditions.



Name designations & Signature of the
Authorized representative of applicant

(Amil Kr. Meena)

Name designations & Signature of the
concerned field authority of NHAI PWD/BRO

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भारत संचार निगम लिमिटेड
करोल बाग दूरभाष केंद्र,
पूसा रो : दिल्ली-110005

Annexure - III

**Format for maintaining Records of Right of Way permission granted for laying OFC/Pipe Line
(to be maintained separately for every NH and State, every PWD Division or equivalent)**

1. Name of State : Uttar Pradesh
2. Name of Agency (PWD/BRO/NHAI) : NHAI
3. Name of PWD Division or Equivalent : Project Director, PIU- Ghaziabad
Uttar Pradesh, NHAI.
4. NH Number : NH-24,

Sl No	Location (Chainage in Km.)	Left or right side of NH (towards increasing chainage/ Km direction)	Section and reach	Kind of Service	Name of licensee and contract address	Date of signing of agreement	Date of validity of agreement	Date of last inspection agreement of site	Any deviation from MoRT&H standard norms	Remarks
	From km. 0.000 to km.23.500(LHS) NH-24	Left Side		BSNL OFC Line	BSNL O/o Divisional , engineer TP NCR D-Tax Building Eastern Court ,Harish Chanra Mathur Lane, New Delhi- 110001	--	--	--	--	


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करोल बाग दुरभाष केन्द्र,
पूसा रोड, नई दिल्ली-110005

CHECK - LIST

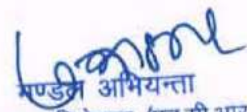
Guidelines for Project Directors for processing the proposal of laying optical fiber cable by private parties in the land along National Highways vested with NHAI.

• Relevant circulars

- 1) Ministry's circular No.RW/NH-33044/27/2005/S&R@ (Pt.) dated 06.08.2013. It is regarding the modification of previous Ministry's circular enhancing the amount of performance Bank Guarantee @ Rs.100/- per route meter in place of earlier rate of Rs. 50/- per route meter.
- 2) NHAI's circular No.NHAI/OEC/2k/Vol II dated 7.11.2000, which includes the comprehensive guidelines and draft license agreement for laying of OFC cable/pipe line by private party in the land along National Highway vested with NHAI.
- 3) Ministry's circular No.RW/NH-33044/29/2015/S&R@ dated 22.11.2016. Accommodation of public and industrial Utility Services along and across National Highways – Policy guidelines regarding.

Check list for getting approval for laying of cables on NH land

S. No.	Item	Information/ Status	Remarks
1	General Information	Proposal for laying of OFC Line	
1.1	Name and Address of the Applicant	BSNL O/o Divisional engineer TP NCR D-Tax Building Eastern Court, Harish Chandra Mathur Lane, New Delhi-110001	
1.2	National Highway Number	NH-24	
1.3	State	Uttar Pradesh	
1.4	Location	From Ch.0.000 to Ch.23.500	
1.5	(Chainage in Km)	From Ch.000 to Ch.23.500	
1.6	Length in Meters	32140m	
1.7	Width of available ROW	90m	
	(a) Left side from center line towards increasing Chainage/ km direction	45.00m	
	(b) Right side from center line towards increasing Chainage/ km direction	45.00m	
1.8	Proposal to lay the cable	23500m	
	(a) Left side from center line towards increasing Chainage/ km direction	45.00m	
	(b) Right side from center line towards increasing Chainage/ km direction	45.00m	
1.9	Proposal to acquire land		
	(a) Left side from center line	NA	
	(b) Right side from center line	NA	
1.10	Whether proposal is in the same side where land is not to be acquired	Yes	
	If not then where to lay the cable	NA	
1.11	Details of already laid services, if any, along the proposed route.	--	
1.12	Number of lanes (2/4/6/8 lanes) existing	4&6 lanes	
1.13	Proposed Number of lanes (2 lane with paved	NA	


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करोल बाग दूरभाष केंद्र.

	shoulders / 4/6/8 lanes)		
1.14	Service road existing or not	Yes	
	If yes then which side		
	(a) Left side from center line	yes	
	(b) right side from center line	Yes	
1.15	Proposed Service road		
	(a) Left side from center line	NA	
	(b) Right side from center line	NA	
1.16	Whether proposal to lay cable/pipe line is after the service road or between the service road and main carriageway	On the extreme edge of RoW	
1.17	The permission for laying OFC shall be considered for approval/ rejection		
	(i) Where the ROW is more than 45 m then the duct cable shall be laid at the edge of right of way within the utility corridor of 2m width, duly keeping in view the future widening	Yes	
	(ii) Where land is yet to be acquired for 8 laning and the position of new carriageway has been decided then the cable shall be laid at the edge of right of way within the utility corridor of 2m width, on that side of existing carriageway where extra land is not proposed to be acquired for 4 – laning	NA	
	(iii) Where the widening plan for 8 – laning is not yet decided and available ROW is around 30m or less, a judicious decision would need to be taken for permitting the laying of cable/ duct. This could be within 1.5m to 2m of utility corridor at the edge of existing ROW, duly keeping in view the possible widening plans.	NA	
	(iv) Where ROW is restricted and adequate only to accommodate the carriageway, central verge, shoulders and drains (e.g. highways in cutting through hilly/ rolling terrain), the cable shall be laid clear of the drain.	NA	
	(v) Where land strip for utility corridor cannot be conveniently earmarked (available ROW restricted to the toe of the embankment) for laying of cable/ ducts, the permission may be refused.	NA	
1.18	No. of applicants on the same stretch	One	
1.19	Whether the case of multiple licenses	No	
1.20	If so furnish a joint implementation programme to lay their respective ducts within stipulated time frame.	NA	
1.21	If crossings of the road involved If yes it shall only be through trench – less technology	No	
2	Document/ drawings enclosed with the proposal	Yes	
2.1	Cross section showing the size of trench for open trenching method (Is it normal size of 3.5m deep X 0.5m wide) Should not be greater than 1.2m in width in multiple ducts	NA	
2.2	Cross section showing the size of pit and location of cable for HDD method	Yes	


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 नया राधा हरिदास केन्द्र

2.3	Strip plan/ Route Plan showing the Cable, Chainage, width of ROW, distance of proposed cable from the edge of ROW, important mile stone, intersections, cross drainages works etc.	Yes	
2.4	Methodology for laying of PNG (OFC)	Yes (HDD)& Through Duct	
2.4.1	Open trenching method. If yes, Methodology of refilling of trench	NA	
2.4.2	Horizontal Directional Drilling (HDD) Method	Yes	
2.4.3	Laying OFC through CD works and method of laying (whether to be hung outside parapet)	NA	
3.	Draft License Agreement signed by two witnesses	Yes	
4	Performance Bank Guarantee		
4.1	Performance BG as per Ministry's circular No.RW/NH-33044/29/20015/S&R® dated 22.11.2016 to be obtained @ Rs.100/- per meter length (<= 300mm dia/width).	To be submitted	
4.2	Confirmation of BG has been obtained as per NHAI guidelines	Shall be obtained once BG is received.	
5	Affidavit / Undertaking from the Applicant for		
5.1	Not to damage to other utility, if damaged then to pay the losses either to NHAI or to the concerned agency	Yes	
5.2	Renewal of Bank Guarantee	Yes	
5.3	Confirming all standard condition of NHAI's guideline	Yes	
5.4	Shifting of PNG/OFC/ Cables as and when required by NHAI	Yes	
5.5	Shifting due to 8 laning / widening of NH	Yes	
5.6	Indemnity against all damages and claims	Yes	
5.7	Traffic movement during laying of PNG/OFC/ Cables to be managed by the applicant	Yes	
5.8	If any claim is raised by the concessionaire then the same has to be paid by the applicant	Yes	
5.9	Certificate for 8 - laning/ widening from the applicant in the following format "We do undertake that I will relocate service road/ approach road/ utilities at my own cost notwithstanding the permission granted within such times as will be stipulated by NHAI" for future six/eight – laning or any other development."	Yes	
6	Power of Attorney in favour of authorized signatory	...yes...	
7	Copy of DOT / Cables license	
8	Certificate from the Project Director	
8.1	Certificate for confirming of all standard condition issued by Ministry of Road Transport & Highways vide Circular No.RW/NH-33044/27/2005/S&R® (Pt.) dated 06.08.2013, Ministry's circular No.RW/NH-33044/27/2000-S&R (R) dated 21.3.2006 and NHAI's guidelines issued vide No. NHAI/OEC/2k/Vol II dated 7.11.2000.	Yes	
8.2	Certificate for – laning from PD in the following format	
	(a) Where feasibility is available "I do certify that	


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 करोल बाग दुरभाष केन्द्र,
 नए जेठ नई दिल्ली-110005

	there will be no hindrance to proposedlaning based on the feasibility report considering proposed structures at the said location". (b) In case feasibility report is not available "I do certify that sufficient ROW is available at site for accommodating proposedlaning".		
9	The agreement fee of Rs. 1 shall be charged	Yes	
10	If NH section proposed to be taken up by NHAI on BOT basis a clause in para 17 to be inserted in the agreement "The permitted the right to lay cable/ duct has also been granted as a right of way to the concessionaire under the concession agreement for up- gradation of Delhi-Ghaziabad- Hapur road section from km.0.000 to km 23.500 on NH no 24 on build operate and transfer basis and therefore, the licensee shall honor the same.	Yes	
11	Who will supervise the work of laying of PNG/OFC/ cable		
12	Who will ensure that the defects in road portion after laying of PNG/OFC/ Cable are corrected and if not corrected then what action will be taken.	PD, PIU, NHAI- Ghaziabad	
13	Who will pay the claims for damages done/ disruption in working of Concessionaire if asked by the Concessionaire.		
14	A Certificate from PD that he will enter the proposed permission in the register of records of the permissions in the prescribed Performa (copy enclosed) issued vide Ministry Circular No.RW/NH-33044/27/2005/S&R® (Pt.) dated 06.08.2013 & No.RW/NH-33044/27/2015/S&R® (Pt.) dated 22.11.2016	Yes	
15	If any previous approval is accorded for laying of cable then Photocopy of register of records of permissions accorded as maintained by PD (as per Ministry Circular No.RW/NH-33044/27/2005/S&R® (Pt.) dated 06.08.2013 as referred in Para 13 above is enclosed or not.	Yes	
16	If any previous approval is accorded for laying of cable then Photocopy of register of records of permissions accorded as maintained by PD (as per Ministry Circular No. RW/NH-33044/29/2015/S&R® dated 22.11.2016 as referred in Para 4 above is enclosed or not.	Yes	



Anil Kumar Meena
Divisional Engineer TP (NCR)
 Authorized Signatory)
Bharat Sanchar Nigam Limited

मण्डल अभियन्ता
 दूरसंचार परियोजना (एन.सी.आर.)
 भारत संचार निगम लिमिटेड
 करोल बाग दुरभाष केन्द्र,
 पूसा रोड नई दिल्ली-110005

कार्यालय मंडल अभियंता दूरसंचार परियोजना
O/o Divisional Engineer TP NCR
D-TAX Building Eastern Court ,
Harish Chandra Mathur lane,
New Delhi-110001
Land line no. 011-23766770

भारत संचार निगम लिमिटेड
BHARAT SANCHAR NIGAM LIMITED
(भारत सरकार का उद्यम)
(A Govt. of India Enterprise)

Ref. No. NOC/NH/BSNL/DGH/OFC /001

Dated 18/2/2021

The General Manager (T)/ Project Director
National Highways Authority of India
PIU Ghaziabad
House No. 518, Niti Khand-1, Indirapuram
Ghaziabad- 201014

Sub: Permission for laying of Optical Fibre Cable (OFC) of M/s. Bharat Sanchar Nigam Ltd from ch. 0.000 to 23.500 (LHS) along ROW on NH-24 (Delhi-Ghazaibad-Hapur Road), in the state of Delhi& Uttar Pradesh.

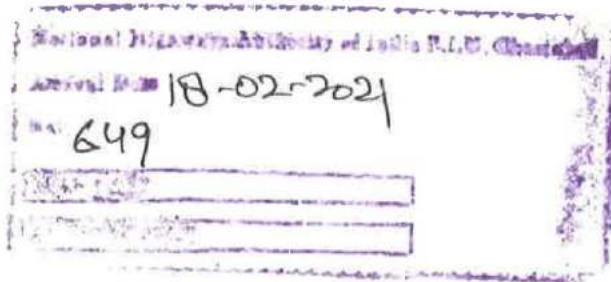
Sir,


Please find enclosed herewith the complete proposal of laying OFC Line from Ch. 0.000 to Ch. 23.500 on NH-24 Delhi-Ghazaibad-Hapur road , prepared in line with the MoRT&H guidelines issued vide dated 22.11.2016.

To carry out the laying of OFC Line in a total length of 23500 m on NH-24 it is hereby requested to kindly grant us the necessary permission at earliest please. The proposal has been submitted online and a copy of the same is enclosed herewith the proposal.

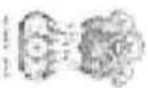
Yours faithfully

Encl. as above




Anil Kumar Meena
Divisional Engineer TP (NCR)
Authorized Signatory
Bharat Sanchar Nigam Limited

मण्डल अभियंता
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करोल बाग दुरभाष केन्द्र,
पूसा रोड, नई दिल्ली-110005



bharatkosh.gov.in

Government of India Receipt Portal

RECEIPT

Transaction Ref.No. 1202210003324

Dated: Feb 12 2021 11:58AM

Received from M/S. BHARAT SANCHAR NIGAM LIMITED with

Transaction Ref.No. 1202210003324

Dated Feb 12 2021 11:58AM the sum of INR 10000 (Ten Thousand Only) through Internet based Online payment in the account of

License fee for laying of utility services, , OFC LINE FROM CH. 000 TO CH. 23.500 (LHS) ON NH24 ALONG ROW.

Disclaimer:- This is a system generated electronic receipt, hence no physical signature is required for the purpose of authentication

Printed On: 12-02-2021 12:0:55

Courtesy :- Controller General of Accounts



MINISTRY OF ROAD TRANSPORT & HIGHWAYS

भारत सरकार

Government of India

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AR MEENA

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My Applications

Catereory	Type	NH (Chainage)	Stretch	Highway Authority	Side	Location	Status	Add New Note For Private Property	Fee Type	Amount	View	Upload
Retail/Public Utility/Industrial Utility	New	NH24(0-30)	0.00 - 30.00	NHAI	Left	23.500	Submitted	Documents Preview & Submit	New Application Approved before submitting the application Licence Fee (Applicant after obtaining Final Approval)	10,000.00	View	Uploa

Note:- Proposal for grant NOC for laying Optical Fibre Cable (OFC) of M/s. Bharat Sanchar Nigam Ltd from ch. 0.000 to 23.500 (LHS) along ROW on NH-24

CHECK-LIST

Guidelines for processing the proposal for laying of utility line in the land across National Highways vested with NHAI/PWD BRO.

Ministry circular No-RW/NH 330044/29/2015/S&R(R) Dated 22/11/2016.

Sr.No.	Item	Information/ Status	Remarks
	General Information	Uttar Pradesh	
1	Name and Address of the Applicant / Agency	BSNL O/o Divisional , engineer TP NCR D-Tax Building Eastern Court ,Harish Chanra Mathur Lane, New Delhi- 110001	
2	National Highway Number	NH- 24	
3	State	Uttar Pradesh	
4	Location	From Ch. 0 .000 to Ch.23.500	
5	(Chainage in km)	From Ch.0.000 to 23.500	
6	Length in Meters	23500	
7	Width of available ROW in both side	90m	
8	Side of NH (left or right side of NH towards increasing change /KM/ direction)	Left Side	
9	Name of Highways Authority of NHAI/PWD/BRO	NHAI	
10	Highway Administration Address	The CGM (Tech.)/ Regional Officer, National Highway Authority of India, Regional Office, 3/248, Vishal Khand, Gomti Nagar, Lucknow- 226010	
11	Proposal to acquire land	Project Director NHAI Ghaziabad	


Project Director
NHAI PIU
Ghaziabad

Sr.	Item	Measurement observation as per site condition	MORT&H Norms	Whether complying with MORT&H Norms
1	Details of already laid utility service in any	No	Enclosed	Complying
2	Whether up gradation of the stretch in near future is proposed or not	No		N/A
	a. If yes provision of utility adversely affect the plan of up gradation	No	affect the plan of up gradation	N/A
3	Laying of the utility service along the National Highways	Yes		
3.1	Location of proposed utility service along the stretch	From ch.0.00 to 23.500 through Utility Duct& HDD pit will be done inside of ROW of NH-24	Utility duct / beyond the toe line of the embankment and drains , enclose to the extreme edge of the ROW	
3.2	Depth of the utility service from Ground level	1.65m	0.6m	Complying
3.3	Mechanism for crossing for water channel	N/A	Through utility duct (if provision exist) or beneath the bed of water channel	N/A
3.4	Whether is ROW restricted in the stretch?	No		N/A
3.4.1	If yes whether provision of land acquisition is required to lay utility	N/A		N/A
	a. If yes whether undertaking for land acquisition along with relevant L.A detail has been furnished	N/A		N/A
3.4.2	With if concrete duct , in utility service are proposed to be laid in concrete ducts	N/A	Not less than one lane	N/A
4	Laying of utility Service across the NH			
4.1	Whether existing drainage structures is allow to carry the utility lines.	No	Not to be allowed	N/A
4.2	Proposed crossing of utility service	NA	Perpendicular to NPH	Complying




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 नेशनल ग्राम दूरभाष केंद्र


4.3	Type of casing pipe/conduit carrying the utility line	HDPE (have adequate strength)	Steel , cast iron , or RCC and have adequate strength	Complying
4.4	Whether ends of the casing /conduit pipe are sealed from the outside	Sealed	Sealed	Complying
4.5	Length of crossing /conduit pipe crossing NH	NA	Extend from drain to drain in cuts and toe to toe of slope in the fills	Complying
4.6	Depth of top of the casing /conduit pipe	1.65m	At least 1.2m below the top of subgrade	Complying
4.7	Crossing method in case of CC pavement	HDD	Only boring method (HDD)	Complying
4.8	Horizontal and vertical clearances in case utilities are allowed overhead	N/A (Underground only)	In accordance with IRC codes.	N/A
5	Document/drawing enclosed with the proposal	Yes Enclosed		
5.1	Cross section showing in the site of trench for open trenching method	N/A (HDD)& Through Duct	Enclosed, if applicable	N/A
5.	a. Trench width	N/A	More than 30cm and less than 60 cm wider than the outer diameters of the utility pipe	N/A
	b. Filling of trench	N/A	As per Ministry circular No-RW/NH 30044/29/2015/S&R(R) Dated 22/11/2016.	N/A
	c. Location of trench	N/A	Extreme edge of the ROW	N/A
5.2	Cross section showing the size of pit and location of conduit for HDD method	Yes enclosed	Enclosed , if applicable	Complying
5.3	Strip plan / Route plan showing utility line , chainage , width of ROW , distance of proposed utility from the edge of ROW , important mile stone , intersection , cross drainage works etc.	Yes Enclosed	Enclosed	Complying
5.4	Plan and profile drawing of stretch showing cross section of road at 20m distance along with ROW and proposed utility	Yes enclosed	Enclosed	Complying
6	Methodology for laying of utility line	Yes enclosed	Enclosed as per drawing	Complying


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 ब्लॉक बाग दरभाष केन्द्र

7	Draft license agreement is as per Ministry circular No-RW/NH30044/29/2015/S&R(R) Dated 22/11/2016.and signed by two witness	Yes enclosed	Enclosed	Complying
8	License fee in favour of MORT&H RPAO Ghaziabad	Yes	As per Ministry circular No-RW/NH330044/29/2015/S&R(R) Dated 22/11/2016.	Complying
9	Whether bank guarantee has been obtained	Yes	As per Ministry circular No-RW/NH 30044/29/2015/S&R(R) Dated 22/11/2016.	
	a. If yes, whether confirmation of BG has been obtained as per MORT&H / NHAI guidelines	Shall be obtained		
10.1	Undertaking for not to damage other existing utility , if damaged then to pay the losses to either to MORT&H / NHAI to the cornered agency	Enclosed	Enclosed	Complying
10.2	Undertaking for renewal of bank guarantee and when asked by NHAI/MORT&H	Enclosed	Enclosed	Complying
10.3	Undertaking for conforming all standard condition of MORT&H / NHAI guidelines	Enclosed	Enclosed	Complying
10.4	Undertaking for shifting of utility as and when asked by MORT&H /NHAI within a month at their own cost	Enclosed	Enclosed	Complying
10.5	Undertaking for indemnity against all damages and claim	Enclosed	Enclosed	Complying
10.6	Undertaking for management of traffic moment during laying of utility line without hampering the traffic.	Enclosed	Enclosed	Complying
10.7	Undertaking that if any claim is raised by the concessionaire/ contractor than the same has to be paid by the applicant	Enclosed	Enclosed	Complying
10.8	Undertaking that the applicant has obtained various safety clearances	Enclosed	Enclosed	Complying

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 करोल बाग दरभाप केन्द्र,

from the representative authorities such as directorate of electricity, chief controller of explosive safety of directorate , state / central pollution control board and any other statutory clearances applicable before applying to Highway Administration			
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The ROW of the National Highway available at the proposed location from the central line of divided carriageway is 45 m from central of ROW edge of ROW towards proposed utility in Rural section 45m from central of ROW edge of ROW towards proposed utility in Urban section.

The above particular along with the drawing and documents has been verified and certified as correct as per prevailing site conditions.



Name designations & Signature of the
Authorized representative of applicant

(Amil Kr. Meena)



Name designations & Signature of the
concerned field authority of NHAI PWD/BRO



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करोल बाग दूरभाष केन्द्र,
पूसा रो. दिल्ली-110005

Annexure - III

Format for maintaining Records of Right of Way permission granted for laying OFC/Pipe Line
(to be maintained separately for every NH and State, every PWD Division or equivalent)

1. Name of State : Uttar Pradesh
2. Name of Agency (PWD/BRO/NHAI) : NHAI
3. Name of PWD Division or Equivalent : Project Director, PIU- Ghaziabad
Uttar Pradesh, NHAI.
4. NH Number : NH-24,

Sl No	Location (Chainage in Km.)	Left or right side of NH (towards increasing chainage/ Km direction)	Section and reach	Kind of Service	Name of licensee and contract address	Date of signing of agreement	Date of validity of agreement	Date of last inspection agreement of site	Any deviation from MoRT&H standard norms	Remarks
	From km. 0.000 to km.23.500(LHS) NH-24	Left Side		BSNL OFC Line	BSNL O/o Divisional engineer TP NCR D-Tax Building Eastern Court ,Harish Chanra Mathur Lane, New Delhi-110001	--	--	--	--	

[Signature]
मण्डल अभियन्ता
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पूसा रोड, नई दिल्ली-110005

CHECK - LIST

Guidelines for Project Directors for processing the proposal of laying optical fiber cable by private parties in the land along National Highways vested with NHAI.

• Relevant circulars

- 1) Ministry's circular No.RW/NH-33044/27/2005/S&R® (Pt.) dated 06.08.2013. It is regarding the modification of previous Ministry's circular enhancing the amount of performance Bank Guarantee @ Rs.100/- per route meter in place of earlier rate of Rs. 50/- per route meter.
- 2) NHAI's circular No.NHAI/OEC/2k/Vol II dated 7.11.2000, which includes the comprehensive guidelines and draft license agreement for laying of OFC cable/pipe line by private party in the land along National Highway vested with NHAI.
- 3) Ministry's circular No.RW/NH-33044/29/2015/S&R® dated 22.11.2016. Accommodation of public and industrial Utility Services along and across National Highways – Policy guidelines regarding.

Check list for getting approval for laying of cables on NH land

S. No.	Item	Information/ Status	Remarks
1	General Information	Proposal for laying of OFC Line	
1.1	Name and Address of the Applicant	BSNL O/o Divisional Engineer 'IP NCR D-Tax Building Eastern Court, Harish Chandra Mathur Lane, New Delhi-110001	
1.2	National Highway Number	NH-24	
1.3	State	Uttar Pradesh	
1.4	Location	From Ch.0.000 to Ch.23.500	
1.5	(Chainage in Km)	From Ch.000 to Ch.23.500	
1.6	Length in Meters	32140m	
1.7	Width of available ROW	90m	
	(a) Left side from center line towards increasing Chainage/ km direction	45.00m	
	(b) Right side from center line towards increasing Chainage/ km direction	45.00m	
1.8	Proposal to lay the cable	23500m	
	(a) Left side from center line towards increasing Chainage/ km direction	45.00m	
	(b) Right side from center line towards increasing Chainage/ km direction	45.00m	
1.9	Proposal to acquire land		
	(a) Left side from center line	NA	
	(b) Right side from center line	NA	
1.10	Whether proposal is in the same side where land is not to be acquired	Yes	
	If not then where to lay the cable	NA	
1.11	Details of already laid services, if any, along the proposed route.	--	
1.12	Number of lanes (2/4/6/8 lanes) existing	4&6 lanes	
1.13	Proposed Number of lanes (2 lane with paved	NA	

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करोल बाग दूरभाष केन्द्र

	shoulders / 4/6/8 lanes)		
1.14	Service road existing or not	Yes	
	If yes then which side		
	(a) Left side from center line	yes	
	(b) right side from center line	Yes	
1.15	Proposed Service road		
	(a) Left side from center line	NA	
	(b) Right side from center line	NA	
1.16	Whether proposal to lay cable/pipe line is after the service road or between the service road and main carriageway	On the extreme edge of RoW	
1.17	The permission for laying OFC shall be considered for approval/ rejection		
	(i) Where the ROW is more than 45 m then the duct cable shall be laid at the edge of right of way within the utility corridor of 2m width, duly keeping in view the future widening	Yes	
	(ii) Where land is yet to be acquired for 8 laning and the position of new carriageway has been decided then the cable shall be laid at the edge of right of way within the utility corridor of 2m width, on that side of existing carriageway where extra land is not proposed to be acquired for 4 – laning	NA	
	(iii) Where the widening plan for 8 – laning is not yet decided and available ROW is around 30m or less, a judicious decision would need to be taken for permitting the laying of cable/ duct. This could be within 1.5m to 2m of utility corridor at the edge of existing ROW, duly keeping in view the possible widening plans.	NA	
	(iv) Where ROW is restricted and adequate only to accommodate the carriageway, central verge, shoulders and drains (e.g. highways in cutting through hilly/ rolling terrain), the cable shall be laid clear of the drain.	NA	
	(v) Where land strip for utility corridor cannot be conveniently earmarked (available ROW restricted to the toe of the embankment) for laying of cable/ ducts, the permission may be refused.	NA	
1.18	No. of applicants on the same stretch	One	
1.19	Whether the case of multiple licenses	No	
1.20	If so furnish a joint implementation programme to lay their respective ducts within stipulated time frame.	NA	
1.21	If crossings of the road involved If yes it shall only be through trench – less technology	No	
2	Document/ drawings enclosed with the proposal	Yes	
2.1	Cross section showing the size of trench for open trenching method (Is it normal size of 3.5m deep X 0.5m wide) Should not be greater than 1.2m in width in multiple ducts	NA	
2.2	Cross section showing the size of pit and location of cable for HDD method	Yes	

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Signature
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करोल बाग दूरभाष केंद्र.

2.3	Strip plan/ Route Plan showing the Cable, Chainage, width of ROW, distance of proposed cable from the edge of ROW, important mile stone, intersections, cross drainages works etc.	Yes	
2.4	Methodology for laying of PNG (OFC)	Yes (HDD)& Through Duct	
2.4.1	Open trenching method. If yes, Methodology of refilling of trench	NA	
2.4.2	Horizontal Directional Drilling (HDD) Method	Yes	
2.4.3	Laying OFC through CD works and method of laying (whether to be hung outside parapet)	NA	
3.	Draft License Agreement signed by two witnesses	Yes	
4	Performance Bank Guarantee		
4.1	Performance BG as per Ministry's circular No.RW/NH-33044/29/20015/S&R® dated 22.11.2016 to be obtained @ Rs.100/- per meter length (<= 300mm dia/width).	To be submitted	
4.2	Confirmation of BG has been obtained as per NHAI guidelines	Shall be obtained once BG is received.	
5	Affidavit / Undertaking from the Applicant for		
5.1	Not to damage to other utility, if damaged then to pay the losses either to NHAI or to the concerned agency	Yes	
5.2	Renewal of Bank Guarantee	Yes	
5.3	Confirming all standard condition of NHAI's guideline	Yes	
5.4	Shifting of PNG/OFC/ Cables as and when required by NHAI	Yes	
5.5	Shifting due to 8 lanning / widening of NH	Yes	
5.6	Indemnity against all damages and claims	Yes	
5.7	Traffic movement during laying of PNG/OFC/ Cables to be managed by the applicant	Yes	
5.8	If any claim is raised by the concessionaire then the same has to be paid by the applicant	Yes	
5.9	Certificate for 8 - laning/ widening from the applicant in the following format "We do undertake that I will relocate service road/ approach road/ utilities at my own cost notwithstanding the permission granted within such times as will be stipulated by NHAI" for future six/eight – laning or any other development."	Yes	
6	Power of Attorney in favour of authorized signatory	...yes...	
7	Copy of DOT / Cables license	
8	Certificate from the Project Director	
8.1	Certificate for confirming of all standard condition issued by Ministry of Road Transport & Highways vide Circular No.RW/NH-33044/27/2005/S&R® (Pt.) dated 06.08.2013, Ministry's circular No.RW/NH-33044/27/2000-S&R (R) dated 21.3.2006 and NHAI's guidelines issued vide No. NHAI/OEC/2k/Vol II dated 7.11.2000.	Yes	
8.2	Certificate for – laning from PD in the following format	
	(a) Where feasibility is available "I do certify that	



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 दूरसंचार परियोजना (एन.सी.आर.)
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 करोल बाग दुरभाष केन्द्र
 नई दिल्ली - 110005

	there will be no hindrance to proposedlaning based on the feasibility report considering proposed structures at the said location". (b) In case feasibility report is not available "I do certify that sufficient ROW is available at site for accommodating proposedlaning".		
9	The agreement fee of Rs. 1 shall be charged	Yes	
10	If NH section proposed to be taken up by NHAI on BOT basis a clause in para 17 to be inserted in the agreement "The permitted the right to lay cable/ duct has also been granted as a right of way to the concessionaire under the concession agreement for up- gradation of Delhi-Ghaziabad- Hapur road section from km.0.000 to km 23.500 on NH no 24 on build operate and transfer basis and therefore, the licensee shall honor the same.	Yes	
11	Who will supervise the work of laying of PNG/OFC/ cable		
12	Who will ensure that the defects in road portion after laying of PNG/OFC/ Cable are corrected and if not corrected then what action will be taken.	PD, PIU, NHAI- Ghaziabad	
13	Who will pay the claims for damages done/ disruption in working of Concessionaire if asked by the Concessionaire.		
14	A Certificate from PD that he will enter the proposed permission in the register of records of the permissions in the prescribed Performa (copy enclosed) issued vide Ministry Circular No.RW/NH-33044/27/2005/S&R® (Pt.) dated 06.08.2013 & No.RW/NH-33044/27/2015/S&R® (Pt.) dated 22.11.2016	Yes	
15	If any previous approval is accorded for laying of cable then Photocopy of register of records of permissions accorded as maintained by PD (as per Ministry Circular No.RW/NH-33044/27/2005/S&R® (Pt.) dated 06.08.2013 as referred in Para 13 above is enclosed or not.	Yes	
16	If any previous approval is accorded for laying of cable then Photocopy of register of records of permissions accorded as maintained by PD (as per Ministry Circular No. RW/NH-33044/29/2015/S&R® dated 22.11.2016 as referred in Para 4 above is enclosed or not.	Yes	

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Anil Kumar Meena
Divisional Engineer TP (NCR)
 Authorized Signatory)
Bharat Sanchar Nigam Limited

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मण्डल अभियन्ता
 दूरसंचार परियोजना (एन.सी.आर.)
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 करोल बाग दुरभाष केन्द्र,
 पूसा रोड नई दिल्ली-110005

LEGEND :

PLAN :

- EXISTING
- EXIST. ROAD
 - SP-R : SEMI PUCCA RESI.
 - SP-C : SEMI PUCCA COMM.
 - P-R : PUCCA RESIDENTIAL
 - P-C : PUCCA COMMERCIAL
 - K-R : KUCCA RESIDENTIAL
 - HUT : HUT
 - PEDDY FIELD
 - BOUNDARY WALL
 - FENCING
 - EROW - EXISTING ROW

- PROPOSED
- DME
 - NH24 UP
 - NH24 DN
 - CYCLE TRACK
 - UTILITY CORRIDOR
 - HOR. TANGENT POINT

SIGNATURE MORT&H

SIGNATURE MORT&H

REV.:

DESCRIPTION:

DATE:

APPLICANT

ARAT SANCHAR NIGAM LIMITED
(govt. of india. enterprises)
DE TP NCR
TAX BUILDING
STERN COURT,
RISH CHANDAR MATHUR
IE ND-110001
011.23786770

E-:

PROPOSED ROUTE MAP OF
LINE OF M/s. BSNL FROM
TO 23.500(LHS)
NG THE ROW ON NH-24,
HI-HAPUR ROAD
HE STATE OF DELHI &
AR PRADESH

Delhi

Hapur

HORIZONTAL CURVE DETAILS	
CURVE NUMBER	5
RADIUS (m)	-20000.0
CURVE LENGTH (m)	94.357
TRANSITION LEN (m)	0.0
TANGENT LENGTH (m)	47.2
DEFLECTION ANGLE	0° 16' 13.1"
DES SPEED (KM/H)	100.0
SUPERELEVATION(%)	NORMAL

PILLAR NO: A8
E : 730182.092
N : 3169516.204
RL : 207.608

PILLAR NO: A9
E : 730429.114
N : 3169521.228
RL : 207.292

मण्डल अभियन्ता
दूरसंचार परियोजना (पन.सी.आर.)
भारत संचार निगम लिमिटेड
करोल बाग दुस्साब केन्द्र,
नई दिल्ली-110005

LEGEND :

PLAN :

EXISTING
EXIST. ROAD
SP-R : SEMI PUCCA RESI.
SP-C : SEMI PUCCA COMM.
P-R : PUCCA RESIDENTIAL
P-C : PUCCA COMMERCIAL
K-R : KUCCA RESIDENTIAL
HUT : HUT
PEDDY FIELD
BOUNDARY WALL
FENCING
EROW - EXISTING ROW

PROPOSED
DME
NH24 UP
NH24 DN
CYCLE TRACK
UTILITY CORRIDOR
HOR. TANGENT POINT

SIGNATURE MORT&H

SIGNATURE NHAI

REV.:

DESCRIPTION:

DATE:

APPLICANT:

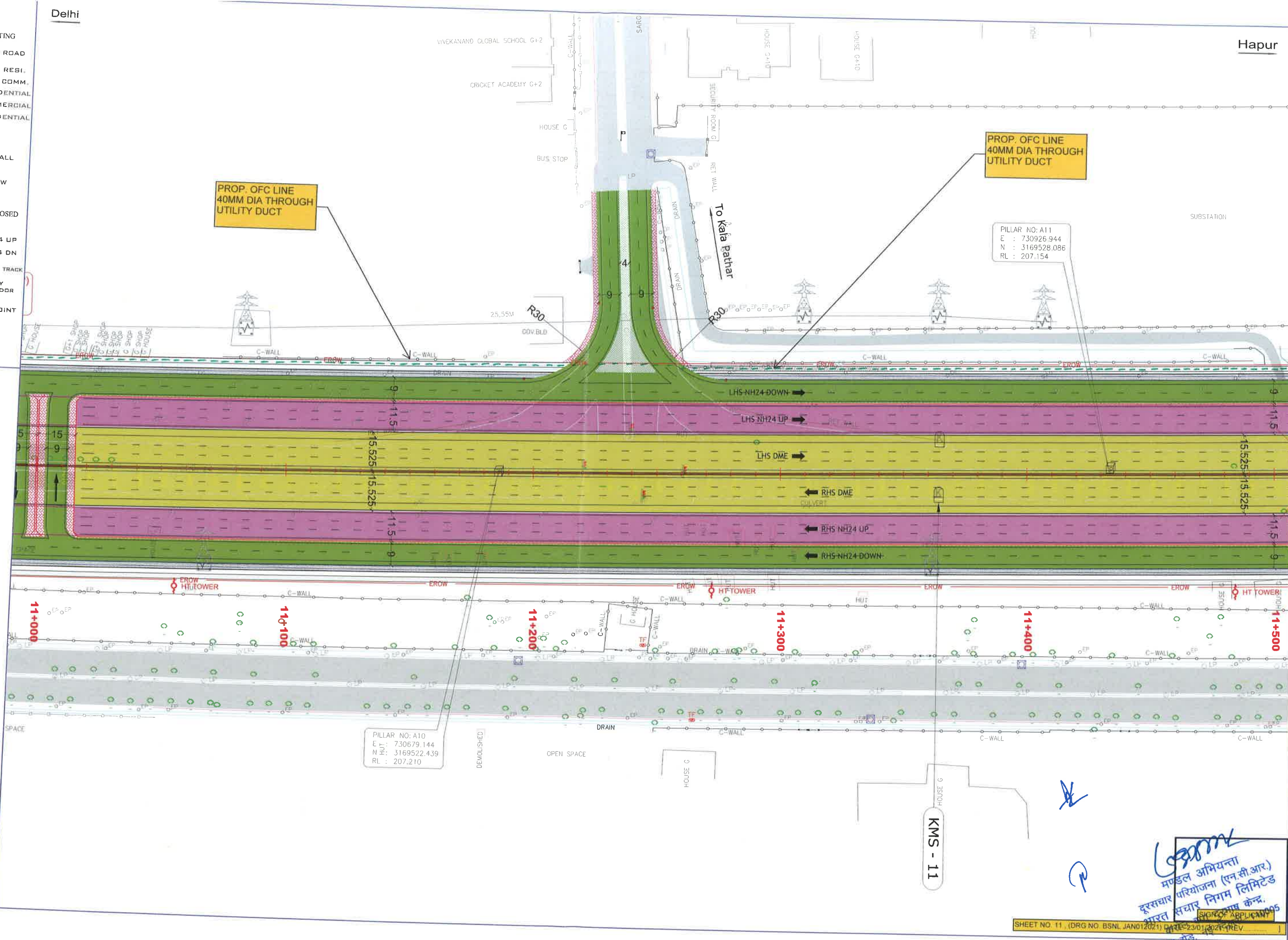
ARAT SANCHAR NIGAM
LIMITED
(govt. of India, enterprises)
DE TP NCR
TAX BUILDING
STERN COURT,
RISH CHANDAR MATHUR
NE, ND-110001
011-23766770

LE.:

PROPOSED ROUTE MAP OF
LINE OF M/s. BSNL FROM
D TO 23 500(LHS)
NG THE ROW ON NH-24,
HI-HAPUR ROAD
HE STATE OF DELHI &
AR PRADESH

Delhi

Hapur



SHEET NO. 11, (DRG NO. BSNL JAN012021) DATE: 23/01/2021 REV.

मण्डल अभियन्ता
दूरसंचार परियोजना (एन.सी.आर.)
भारत संचार निगम लिमिटेड
नयाँ सिड

PLAN:

EXISTING

EXIST. ROAD

SP-R	: SEMI PUCCA RESI.
SP-C	: SEMI PUCCA COMM.
P-R	: PUCCA RESIDENTIAL
P-C	: PUCCA COMMERCIAL
K-R	: KUCCA RESIDENTIAL
HUT	: HUT
	: PEDDY FIELD
	: BOUNDARY WALL
	: FENCING

PROPOSED

	DME
	NH24 UP
	NH24 DN
	CYCLE TRACK
	UTILITY
	CORRIDOR

HOR. TANGENT POINT

SIGNATURE MORT&H

SIGNATURE NHAI

REV:

DESCRIPTION:-

DATE:

APPLICANT

**BHARAT SANCHAR NIGAM
LIMITED**
(A govt. of India enterprises)
O/o DE TP NCR
D-TAX BUILDING
EASTERN COURT,
HARISH CHANDAR MATHUR
LANE NO-110001
PH-011,23766770

TITLE:-

PROPOSED ROUTE MAP OF
OFC LINE OF M/s. BSNL FROM
0.000 TO 23.500(LHS)
ALONG THE ROW ON NH-24,
DELHI-HAPUR ROAD
IN THE STATE OF DELHI &
UTTAR PRADESH

Delhi

HORIZONTAL CURVE DETAILS	
CURVE NUMBER	6
RADIUS (m)	30000.0
CURVE LENGTH (m)	89.058
TRANSITION LEN (m)	0.0
TANGENT LENGTH(m)	44.5
DEFLECTION ANGLE	0° 10' 12.3"
DES SPEED (KM/H)	100.0
SUPERELEVATION(%)	NORMAL

PROP. OFC LINE
40MM DIA THROUGH
UTILITY DUCT

PILLAR NO: B7
E : 731822.283
N : 3169612.731
RL : 202.450

PILLAR NO: A15
E : 731919.386
N : 3169541.349
RL : 207.202

PILLAR NO: A14
E : 731671 680
N : 3169536 280
RL : 207.096

KMS - 12

SHEET NO. 13. (DRG NO. BSNL JAN012021) DATE: 23/01/2021 (REV 75)

मॉडल अभियन्ता
परियोजना (एन.सी.आर.)
दूरसंचार निगम लिमिटेड
भारत दूरसंचार निगम लिमिटेड
संस्थापक निदेशिका-110

LEGEND :

PLAN :

- EXISTING
- EXIST. ROAD
- SP-R : SEMI PUCCA RESI.
- SP-C : SEMI PUCCA COMM.
- P-R : PUCCA RESIDENTIAL
- P-C : PUCCA COMMERCIAL
- K-R : KUCCA RESIDENTIAL
- HUT : HUT
- PEDDY FIELD
- BOUNDARY WALL
- FENCING
- EROW : EXISTING ROW
- PROPOSED
- DME
- NH24 UP
- NH24 DN
- CYCLE TRACK
- UTILITY CORRIDOR
- HQR. TANGENT POINT

SIGNATURE MORT&H

SIGNATURE NHAI

REV.

DESCRIPTION

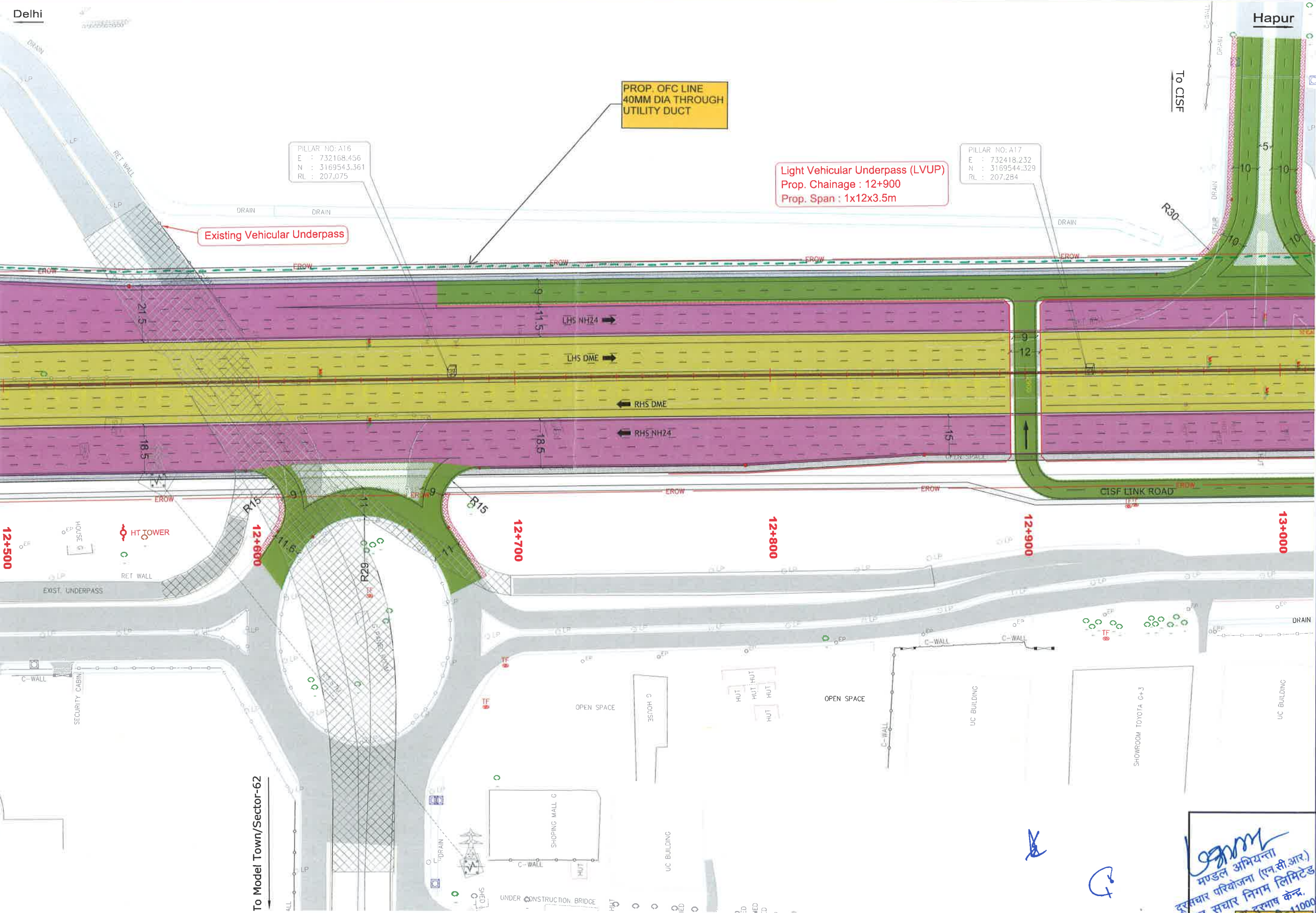
DATE

APPLICANT

BHARAT SANCHAR NIGAM LIMITED
(A govt. of india, enterprises)
O/o DE TP NCR
D-TAX BUILDING
EASTERN COURT,
HARISH CHANDAR MATHUR
LANE NO-110001
PH-011-23766770

TITLE

PROPOSED ROUTE MAP OF
OFC LINE OF M/s. BSNL FROM
0.000 TO 23.500(LHS)
ALONG THE ROW ON NH-24,
DELHI-HAPUR ROAD
IN THE STATE OF DELHI &
UTTAR PRADESH



LEGEND :

PLAN :

EXISTING
EXIST. ROAD

SP-R : SEMI PUCCA RESI.
SP-C : SEMI PUCCA COMM.
P-R : PUCCA RESIDENTIAL
P-C : PUCCA COMMERCIAL
K-R : KUTTA RESIDENTIAL
HUT : HUT

PEDDY FIELD
BOUNDARY WALL
FENCING
EXISTING ROW

PROPOSED
DME
NH24 UP
NH24 DN
CYCLE TRACK
UTILITY CORRIDOR
HOR. TANGENT POINT

SIGNATURE MORT&H

SIGNATURE NHAI

REV.

DESCRIPTION

DATE

APPLICANT

HARAT SANCHAR NIGAM LIMITED
govt. of India, enterprises)
DE TP NCR
TAX BUILDING
STERN COURT,
RISH CHANDAR MATHUR
NE,ND-110001
011.23766770

FILE:-

PROPOSED ROUTE MAP OF
C LINE OF M/s. BSNL FROM
00 TO 23.500(LHS)
ALONG THE ROW ON NH-24,
HI-HAPUR ROAD
THE STATE OF DELHI &
AR PRADESH

Hapur

PROP. OFC LINE
40MM DIA THROUGH
UTILITY DUCT

Box Culvert
Prop. Chainage : 13+260
Prop. Span : 1x6.0x3.5m

HORIZONTAL CURVE DETAILS	
CURVE NUMBER	7
RADIUS (m)	-1500.0
CURVE LENGTH (m)	446.352
TRANSITION LEN (m)	80.0
TANGENT LENGTH(m)	305.9
DEFLECTION ANGLE	20° 6' 18.5"
DES SPEED (KM/H)	100.0
SUPERELEVATION(%)	2.963

PILLAR NO: GPS13B
E : 732926.704
N : 3169581.346
RL : 207.797

PILLAR NO: GPS13A
E : 732930.754
N : 3169595.865
RL : 206.803

PLAN :

EXISTING

EXIST. ROAD

SP-R	: SEMI PUCCA RESI.
SP-C	: SEMI PUCCA COMM.
P-R	: PUCCA RESIDENTIAL
P-C	: PUCCA COMMERCIAL
K-R	: KUCCA RESIDENTIAL
HUT	: HUT

 : PEDDY FIELD
 : BOUNDARY WALL
 : FENCING
 - ROW - EXISTING ROW

PROPOSED

DME

NH24 UP

NH24 DN

CYCLE TRACK

UTILITY

HQR. TANGENT POINT

SIGNATURE MORT&H

SIGNATURE NHAI

REV-

DESCRIPTION:-

DATE:-

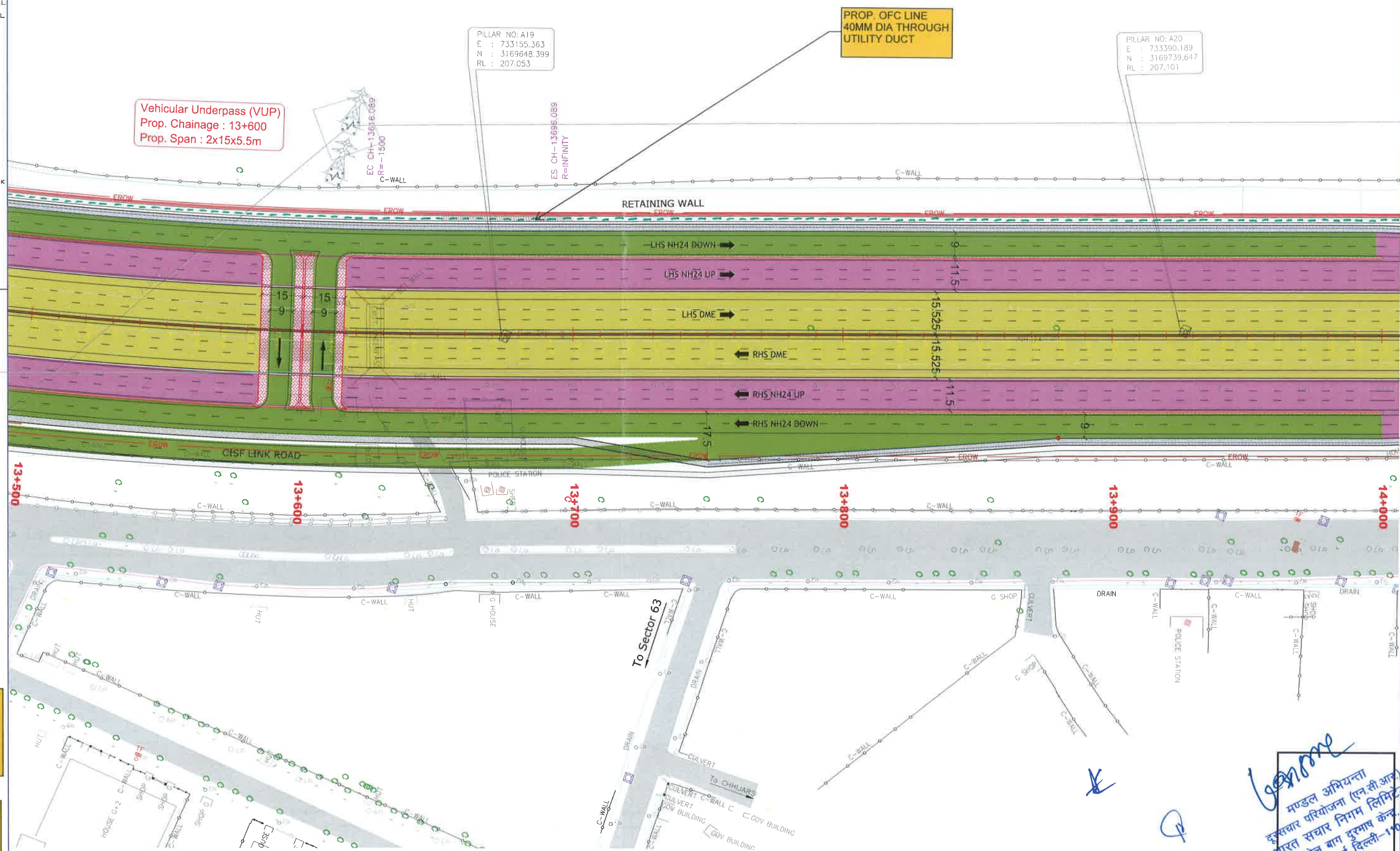
APPLICANT

**BHARAT SANCHAR NIGAM
LIMITED**
(A govt. of india enterprises)
O/o DE TP NCR
D-TAX BUILDING
EASTERN COURT
HARISH CHANDAR MATHUR
LANE,ND-110001
PH-011 23766770

TITLE-

PROPOSED ROUTE MAP OF
OFC LINE OF M/s. BSNL FROM
0.000 TO 23.500(LHS)
ALONG THE ROW ON NH-24,
DELHI-HAPUR ROAD
IN THE STATE OF DELHI &
UTTAR PRADESH.

Hapur



SHEET NO. 15A (DRG NO. BSNL JAN012021) DATE-23/01/2021. (REV

मण्डल अभियन्ता
दूरसंचार परियोजना (एन.सी.आर.)
भारत संचार निगम लिमिटेड
भारत बाग दुरमाथ केन्द्र,
दिल्ली-110005

SHEET NO. 16 (DRG NO. BSNL JAN012021) DATE 28/01/2021 (REV.)

LEGEND :

PLAN :

EXISTING
EXIST. ROAD

SP-R : SEMI PUCCA RESI.
SP-C : SEMI PUCCA COMM.
P-R : PUCCA RESIDENTIAL
P-C : PUCCA COMMERCIAL
K-R : KUCCA RESIDENTIAL
HUT : HUT
PEDDY FIELD
BOUNDARY WALL
FENCING
EROW - EXISTING ROW

PROPOSED
DME
NH24 UP
NH24 DN
CYCLE TRACK
UTILITY CORRIDOR
HOR. TANGENT POINT

SIGNATURE MORT&H

SIGNATURE NHAI

REV. :
DESCRIPTION :
DATE :

APPLICANT

BHARAT SANCHAR NIGAM LIMITED
(A govt. of India enterprises)
O/o DE TP NCR
D-TAX BUILDING
EASTERN COURT
HARISH CHANDAR MATHUR
LANE,ND-110001
PH-011-23786770

TITLE :-

PROPOSED ROUTE MAP OF
OFC LINE OF M/s. BSNL FROM
0.000 TO 23.500(LHS)
ALONG THE ROW ON NH-24,
DELHI-HAPUR ROAD
IN THE STATE OF DELHI &
UTTAR PRADESH

Delhi

MAJOR BRIDGE		
CH.	AS PER CA	PROPOSED
14+635	14+631	
PROP. RETAIN	RETAIN	
SPAN 7x28.0	7x30	

PILLAR NO: A23
E : 734092.800
N : 3170005.394
RL : 209.162

PROP. OFC LINE
40MM DIA THROUGH
UTILITY DUCT



मण्डल अभियन्ता
दूरसंचार परियोजना (एन.सी.आर.)
भारत संचार निगम लिमिटेड
करोल बाग दूरसंचार केन्द्र,
पूसा रोड, नई दिल्ली-110005

SIGN OF APPLICANT

SHEET NO. 17, (DRG NO. BSNL JAN012021) DATE: 23/01/2021, (REV. : 1)

ND :

Delhi

Hapur

EXISTING
EXIST. ROAD
EMI PUCCA RESI.
EMI PUCCA COMM.
PUCCA RESIDENTIAL
PUCCA COMMERCIAL
PUCCA RESIDENTIAL
HUT
BEDDY FIELD
BOUNDARY WALL
ENDING
EXISTING ROW

PROPOSED
DME
NH24 UP
NH24 DN
CYCLE TRACK
UTILITY
CORRIDOR
R. TANGENT POINT

MORT&H

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INCHAR NIGAM

dia, enterprises)
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COURT,
ANDAR MATHUR
0001
6770

ROUTE MAP OF
F M/s BSNL FROM
500(LHS)
ROW ON NH-24,
JR ROAD
TE OF DELHI&
DESH

PROP. OFC LINE
40MM DIA THROUGH
UTILITY DUCT

Vehicular Underpass (VUP)
Prop. Chainage : 19+150
Prop. Span : 2x15x5.5m

PILLAR NO: B8
E : 738718.004
N : 3170171.659
RL : 210.368

PILLAR NO: A39
E : 738486.043
N : 3170167.001
RL : 209.840

PILLAR NO: A40
E : 738732.213
N : 3170114.132
RL : 211.675

PILLAR NO: B3
E : 738736.788
N : 3170113.773
RL : 212.057

KMS - 19

मण्डल अभियन्ता
दूरसंचार परियोजना (एन.सी.आर.)
भारत संचार निगम लिमिटेड
कोरेल बाग दुरमाव केन्द्र,
दिल्ली-110005
SIGN OF APPLICANT

2015

ANCHAR NIGAM
dia enterprises)
CR
DING
COURT.
ANDAR MATHUR
0001
6770

ROUTE MAP OF
M/s. BSNL FROM
500(LHS)
ROW ON NH-24,
R ROAD
E OF DELHI &
DESH.

MINOR BRIDGE		
	AS PER CA	PROPOSED
CH.	19+790	19+790.5
PROP.	RECONSTN.	RECONSTN.
SPAN	3x5.0	1x10

PILLAR NO: A42
E : 739206.601
N : 3170013.177
RL : 211.631

मण्डल अभियन्ता
दूरसंचार परियोजना (एन.सी.आर.)
भारत संचार निगम लिमिटेड
करोल बाग दूरभाष केंद्र,
नई दिल्ली-110005

SIGN OF APPLICANT

EXIST. ROAD

EXISTING ROW

PROPOSED

DME

NH34118

NUS1 BN

CYCLE TRACK

UTILITY

DR. TANGENT POINT

E MORT&H

REF NHA1

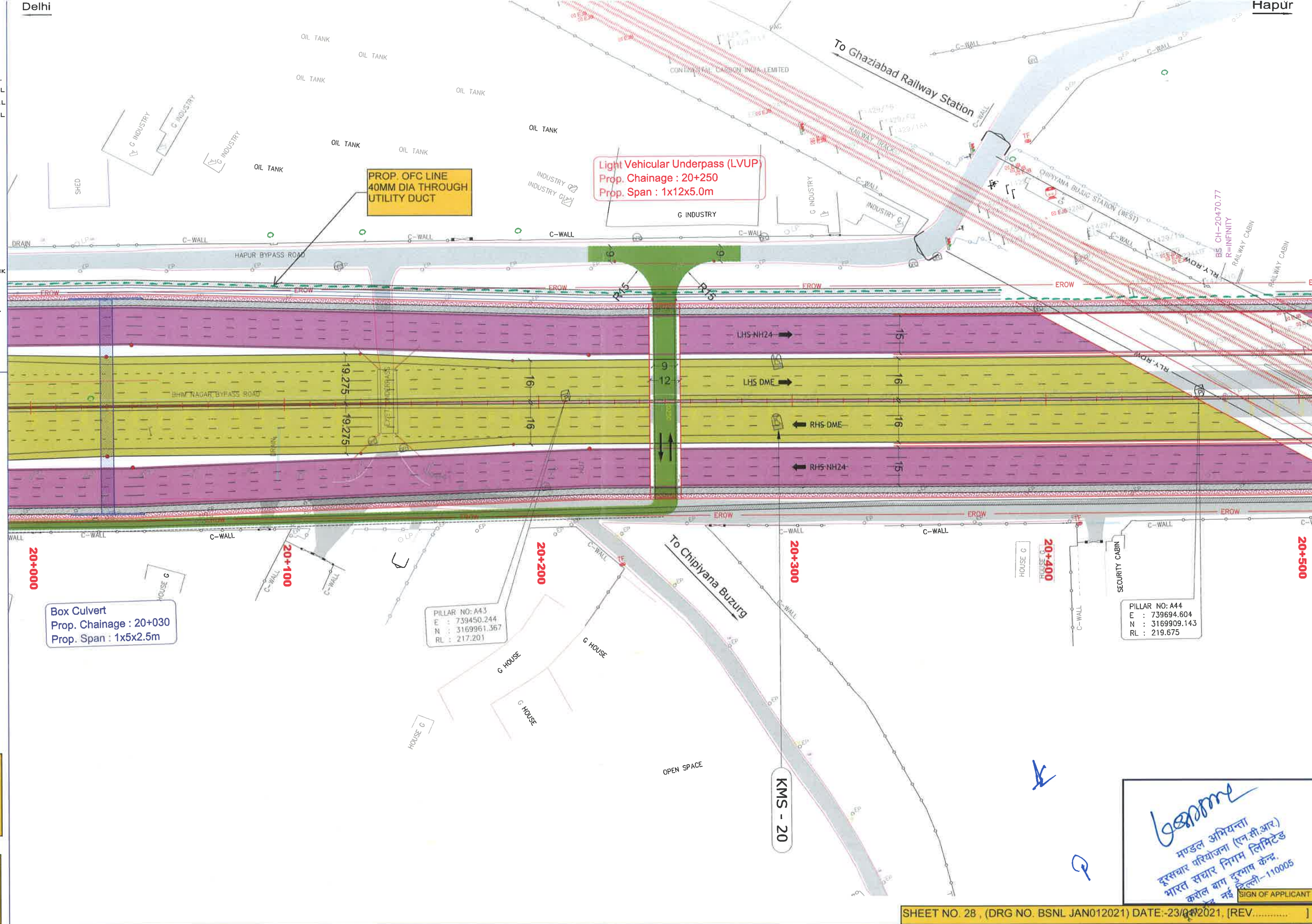
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ANCHAL NIGAM

india enterprises)
NCR
LDING
COURT,
HANDAR MATHUR
110001
766770

D ROUTE MAP OF
 OF M/s. BSNL FROM
 23 500(LHS)
 HE ROW/ ON NH-24,
 PUR ROAD
 ATE OF DELHI &
 ADESH



SHEET NO. 28, (DRG NO. BSNL JAN012021) DATE: -23/04/2021, [REV.....]

	PROPOSED
	DME
	NH24 UP
	NH24 DN
	CYCLE TRACK
	UTILITY CORRIDOR

RE NHAI

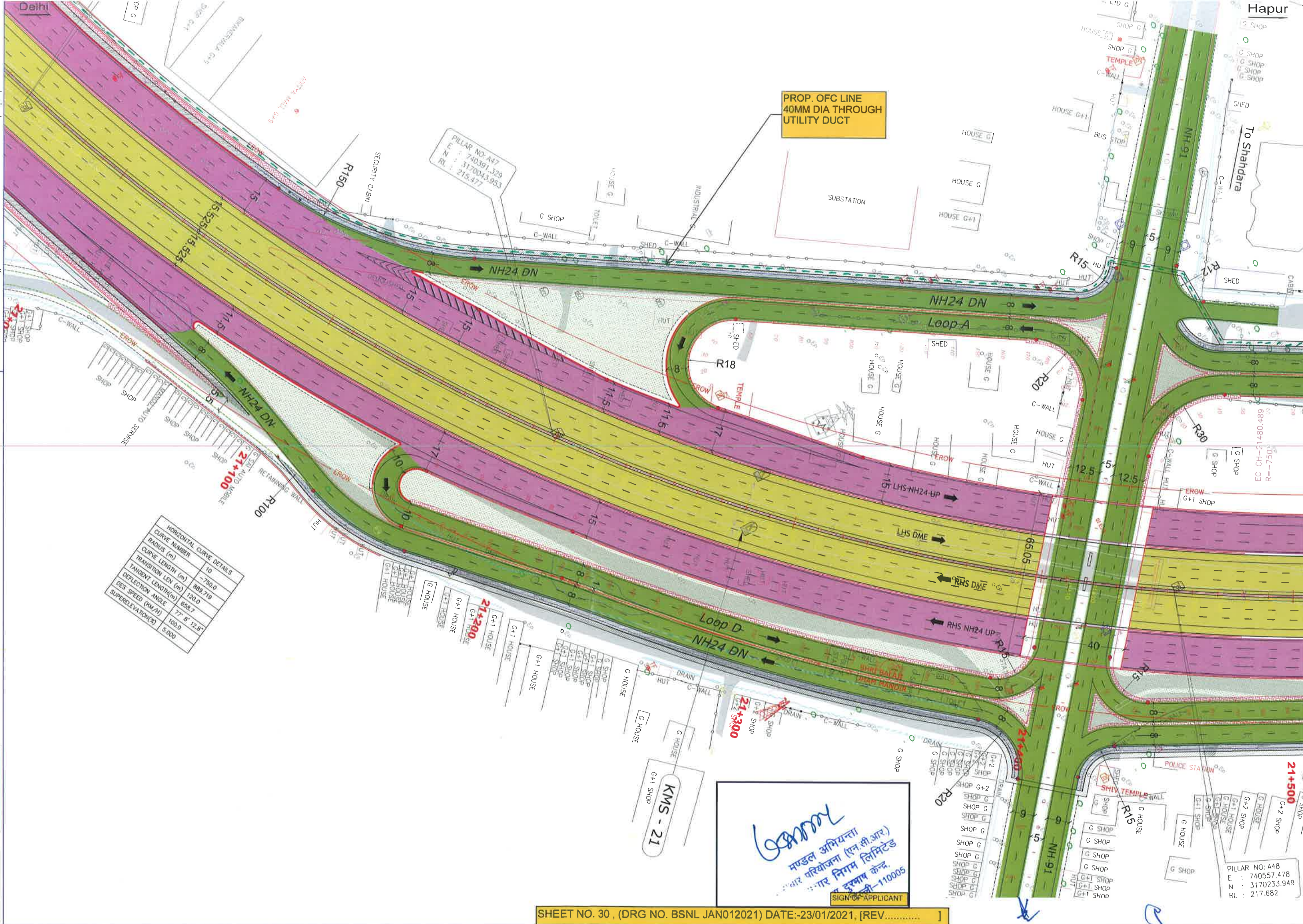
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NT

SANCHAR NIGAM

India. enterprises)
NCR
BUILDING
COURT,
HANDAR MATHUR
110001
768770

ED ROUTE MAP OF
OF M/s. BSNL FROM
23.500(LHS)
HE ROW ON NH-24,
PUR ROAD
TATE OF DELHI &
RADESH .



EXISTING
EXIST. ROAD
SEMI PUCCA RESI.
SEMI PUCCA COMM.
PUCCA RESIDENTIAL
PUCCA COMMERCIAL
KUPPA RESIDENTIAL
HUT
PEDDY FIELD
BOUNDARY WALL
FENCING
EXISTING ROW

	PROPOSED
	DME
	NH24 UP
	NH24 DN
	CYCLE TRACK
	UTILITY CORRIDOR

DR. TANGENT POINT

RE MORTSH

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ANCHAR NIGAM
(India enterprises)
NCR
LDING
COURT,
HANDAR MATHUR
10001
766770

TO ROUTE MAP OF
OF M/s. BSNL FROM
3.500(LHS)
E ROW ON NH-24,
OUR ROAD
ATE OF DELHI&
ADESH

HORIZONTAL CURVE DETAILS	
CURVE NUMBER	11
RADIUS (m)	2500.0
CURVE LENGTH (m)	309.888
TRANSITION LEN (m)	0.0
TANGENT LENGTH(m)	155.1
DEFLECTION ANGLE	7' 6" 7.6"
DES SPEED (KM/H)	100.0
SUPERELEVATION(%)	NORMAL

PILLAR NO: A50
E : 740777.108
N : 3170674.200
RL : 212.246

PROP. OFC LINE
40MM DIA THROUGH
UTILITY DUCT

CH-2179A.247
2500

PILLAR NO: A49
E : 740680.143
N : 3170440.639
BL : 213.217

Box Culvert
Prop. Chainage : 21+970
Prop. Span : 1x5x2.5m

SHEET NO. 31, (DRG NO. BSNL JAN012021) DATE-23/01/2021, (REV.....)







मण्डल अभियन्ता
दूरसंचार परियोजना (एन.सी.आर.)
भारत संचार निगम लिमिटेड
करोल बाग इरमाक केन्द्र,
नई दिल्ली-110005

END :

Delhi

Hapur

EXISTING
EXIST. ROAD
SEMI PUCCA RESI.
SEMI PUCCA COMM.
PUCCA RESIDENTIAL
PUCCA COMMERCIAL
KUCCA RESIDENTIAL
HUT
PEDDY FIELD
BOUNDARY WALL
FENCING
- EXISTING ROW

	PROPOSED
	DME
	NH24 UP
	NH24 DN
	CYCLE TRACK
	UTILITY CORRIDOR

OR. TANGENT POINT

RE MORT&H

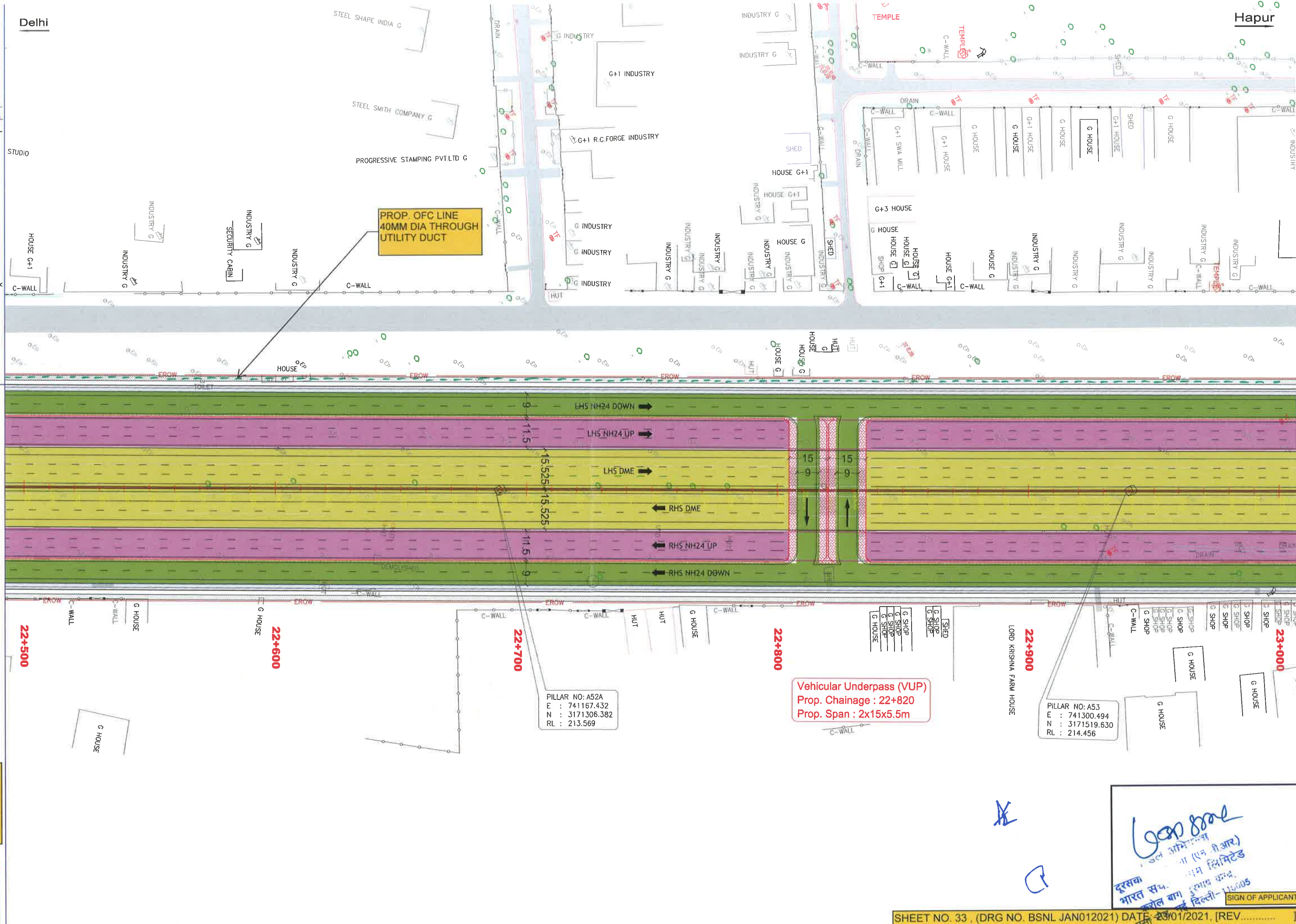
RE NHAI

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SANCHAR NIGAM
(of India enterprises)
P NCR
UILDING
N COURT
CHANDAR MATHUR
0-110001
3786770

1. THE ROUTE MAP OF
 2. THE OF M/s BSNL FROM
 3. 23.500(LHS)
 4. THE ROW ON NH-24,
 5. APUR ROAD
 6. STATE OF DELHI &
 7. PRADESH.



SHEET NO. 33, (DRG NO. BSNL JAN012021) DATE: 23/01/2021, (REV.....)

- EXISTING
- EXIST. ROAD
 - SEMI PUCCA RESI.
 - SEMI PUCCA COMM.
 - PUCCA RESIDENTIAL
 - PUCCA COMMERCIAL
 - KUCCA RESIDENTIAL
 - HUT
 - PEDDY FIELD
 - BOUNDARY WALL
 - FENCING
 - EXISTING ROW
- PROPOSED
- DME
 - NH24 UP
 - NH24 DN
 - CYCLE TRACK
 - UTILITY CORRIDOR
 - R. TANGENT POINT

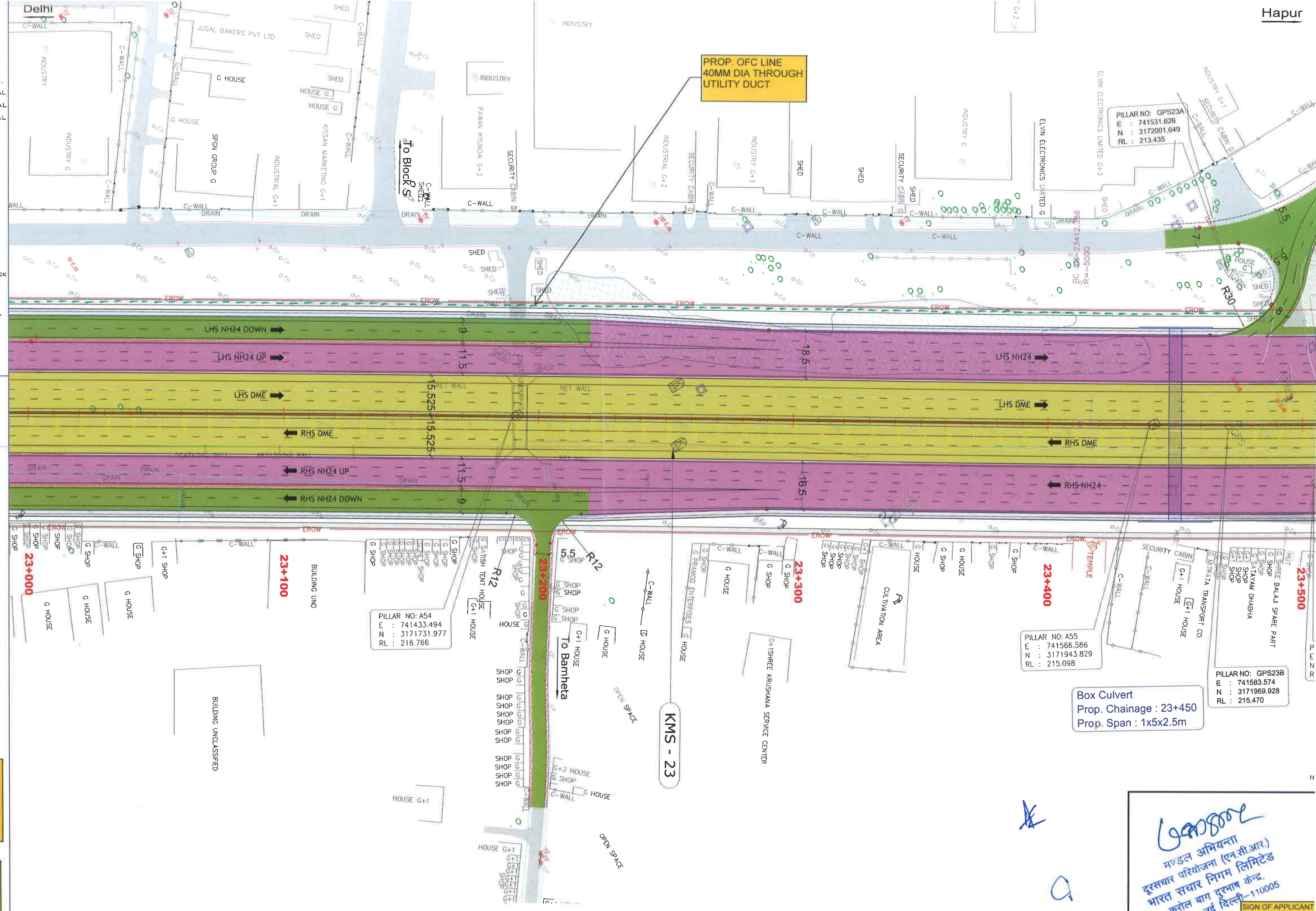
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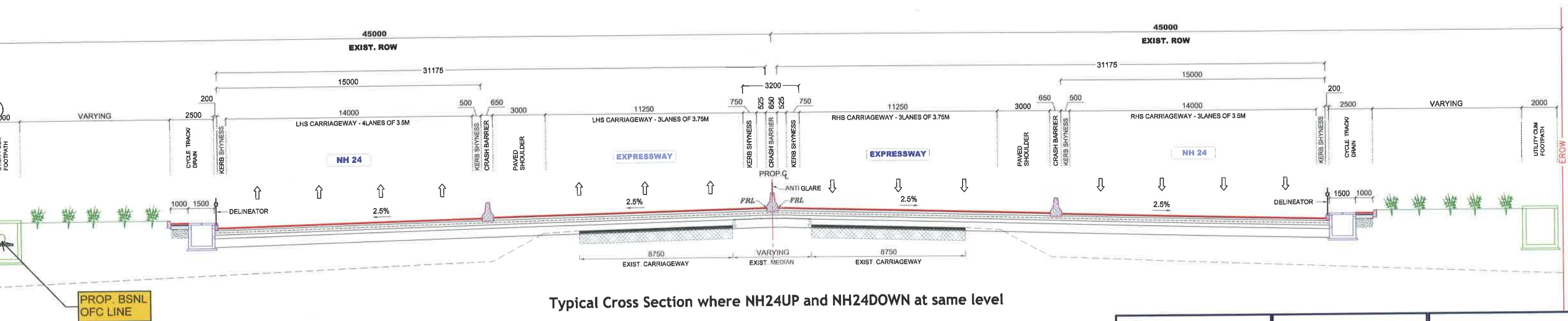
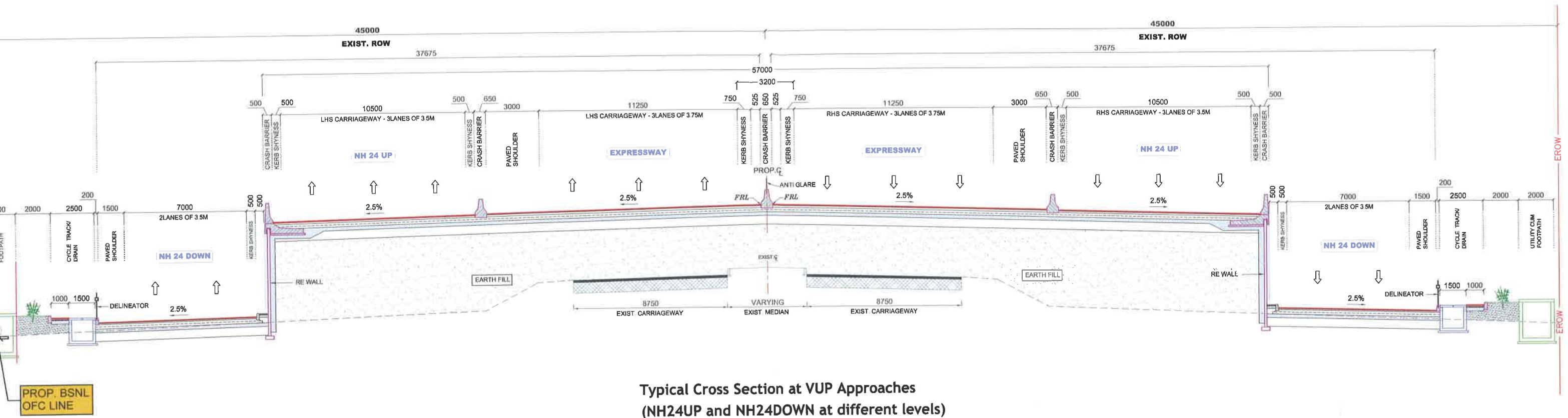
ANCHAR NIGAM
 (India enterprises)
 NCR
 DING
 COURT
 HANDAR MATHUR
 10001
 686770

D ROUTE MAP OF
 OF M/s. BSNL FROM
 3.500(LHS)
 E ROW ON NH-24,
 UR ROAD
 STATE OF DELHI&
 ADESH.



Box Culvert
 Prop. Chainage : 23+450
 Prop. Span : 1x5x2.5m

(Signature)
 मण्डल अभियन्ता
 दूरसंचार परियोजना (एन.सी.आर.)
 भारत संचार निगम लिमिटेड
 क़रोल बाग़ दुरभाष केंद्र,
 नई दिल्ली-110005
 SIGN OF APPLICANT



NT

AT SANCHAR NIGAM

D

t. of india. enterprises)

TP NCR

BUILDING

RN COURT,

H CHANDAR MATHUR

ND-110001

23766770

TITLE:-

PROPOSED ROUTE MAP OF

OFC LINE OF M/s. BSNL FROM 0.000

TO 23.500(LHS)

ALONG THE ROW ON NH-24,

DELHI-HAPUR ROAD

IN THE STATE OF DELHI&

UTTAR PRADESH.

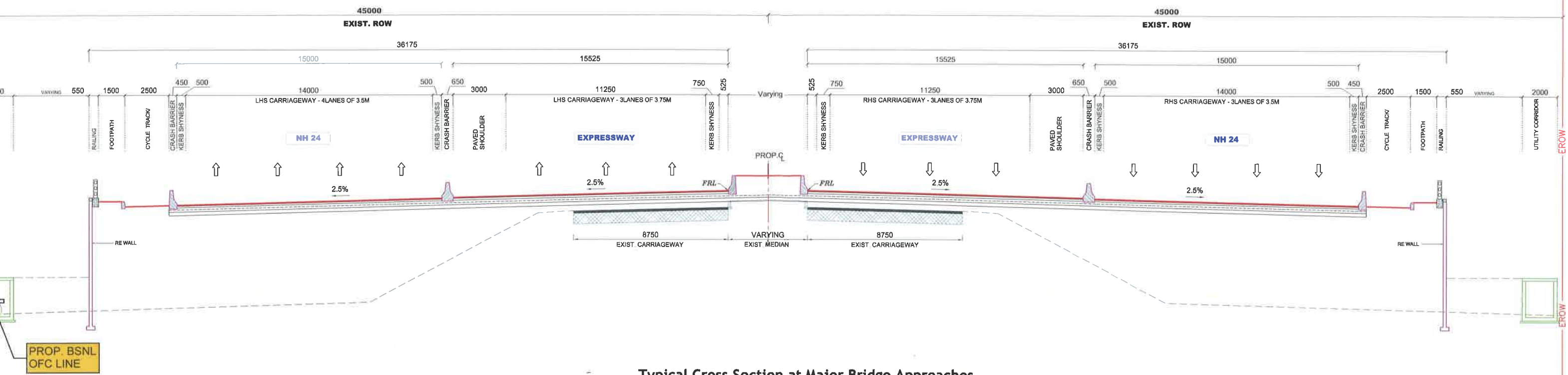
Signature NHAI

Signature MORT&H

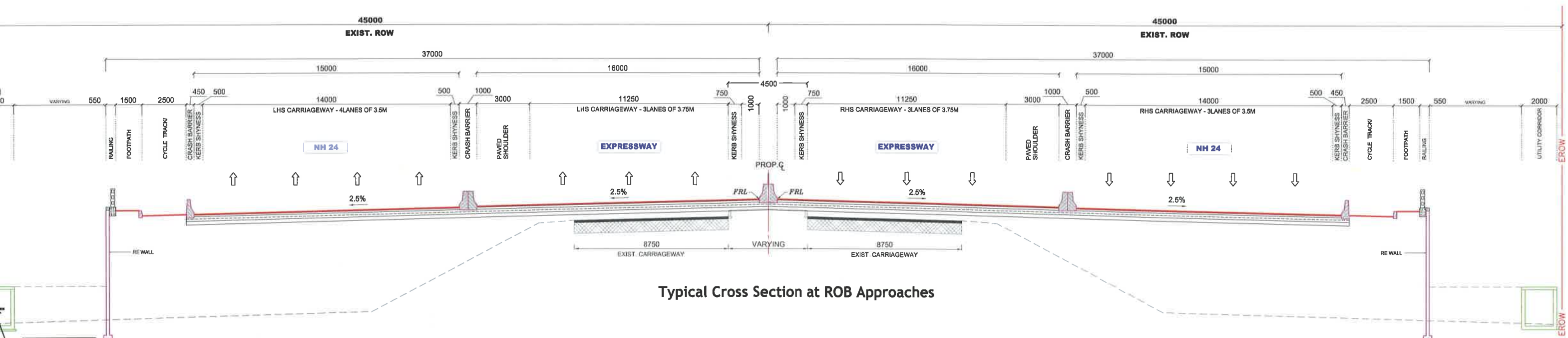
Signature of APPLICANT

मण्डल अभियन्ता
(एन.सी.आर.)
दूरसंचार परियोजना (एन.सी.आर.)
भारत संचार निगम लिमिटेड
कंसलिंग दूरभाष केंद्र,
दिल्ली-110009





SHEET NO. 35, (DRG NO. BSNL JAN012021) DATE:-23/01/2021, (REV)



Typical Cross Section at Major Bridge Approaches



Typical Cross Section at ROB Approaches

TITLE:- PROPOSED ROUTE MAP OF OFC LINE OF M/s. BSNL FROM 0.000 TO 23.500(LHS) ALONG THE ROW ON NH-24, DELHI-HAPUR ROAD IN THE STATE OF DELHI & UTTAR PRADESH.	APPLICANT BHARAT SANCHAR NIGAM LIMITED (A govt. of india. enterprises) O/o DE TP NCR D-TAX BUILDING EASTERN COURT, HARISH CHANDAR MATHUR LANE, ND-110001 PH-011,23766770	  SIGNATURE NHAI	 SIGNATURE MORT&H	 मण्डल अभियन्ता संचार परियोजना (एन.सी.आर.) भारत संचार निगम लिमिटेड शास्त्र संयंत्र, दिल्ली-110001 REVISION SHEET NO. 36, (DRG NO. BSNL JAN012021) DATE:-23/01/2021 (REV. 1)
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LEGEND :

PLAN :

- EXISTING

EXIST. ROAD

SP-R : SEMI PUCCA RESI.

SP-C : SEMI PUCCA COMM.

P-R : PUCCA RESIDENTIAL

P-C : PUCCA COMMERCIAL

K-R : KUCCA RESIDENTIAL

HUT : HUT

PEDDY FIELD

BOUNDARY WALL

FENCING

EROW - EXISTING ROW
- PROPOSED

DME

NH24 UP

NH24 DN

CYCLE TRACK

UTILITY CORRIDOR

HOR. TANGENT POINT

Delhi

Hapur

MAJOR BRIDGE

AS PER CA	PROPOSED
9+030	9+040
6x30+1x20	2x33 + 2x30 + 1x22 + 1x33 + 1x30

HORIZONTAL CURVE DETAILS

CURVE NUMBER	1
RADIUS (m)	10000.0
CURVE LENGTH (m)	55.599
TRANSITION LEN (m)	0.0
TANGENT LENGTH(m)	27.8
DEFLECTION ANGLE	0° 19' 6.8"
DES SPEED (KM/H)	100.0
SUPERELEVATION(%)	NORMAL

HORIZONTAL CURVE DETAILS

CURVE NUMBER	2
RADIUS (m)	-10000.0
CURVE LENGTH (m)	69.851
TRANSITION LEN (m)	0.0
TANGENT LENGTH(m)	34.9
DEFLECTION ANGLE	0° 24' 0.8"
DES SPEED (KM/H)	100.0
SUPERELEVATION(%)	NORMAL

PILLAR NO: A1
E : 728637.829
N : 3169497.864
RL : 210.419

PILLAR NO: A2
E : 728929.572
N : 3169502.011
RL : 207.454

APPLICANT
BHARAT SANCHAR NIGAM LIMITED
(A govt. of india enterprises)
O/o DE TP NCR
D-TAX BUILDING
EASTERN COURT,
HARISH CHANDAR MATHUR
LANE NO-110001
PH-011.23766770

TITLE:-
PROPOSED ROUTE MAP OF
OFC LINE OF M/ks. BSNL FROM
0+000 TO 23+500(LHS)
ALONG THE ROW ON NH-24,
DELHI-HAPUR ROAD
IN THE STATE OF DELHI &
UTTAR PRADESH

संचार निगम लिमिटेड
हरियाणा परियोजना (एन.सी.आर.)
मॉडल अभियान्ता
संसाधन विभाग
पूना रोड, नई दिल्ली-110002

LEGEND :

PLAN :

EXISTING
EXIST. ROAD

SP-R : SEMI PUCCA RESI.
SP-C : SEMI PUCCA COMM.
P-R : PUCCA RESIDENTIAL
P-C : PUCCA COMMERCIAL
K-R : KUCCA RESIDENTIAL
HUT : HUT
PEDDY FIELD
BOUNDARY WALL
FENCING
EXISTING ROW

PROPOSED
DME
NH24 UP
NH24 DN
CYCLE TRACK
UTILITY CORRIDOR
HOR. TANGENT POINT

SIGNATURE MORT&H

SIGNATURE NHAI

REV.
DESCRIPTION:-
DATE:-

APPLICANT

BHARAT SANCHAR NIGAM LIMITED.
(A govt. of india enterprises)
O/o DE TP NCR
D-TAX BUILDING
EASTERN COURT,
HARISH CHANDAR MATHUR
LANE,ND-110001
PH-011.23766770

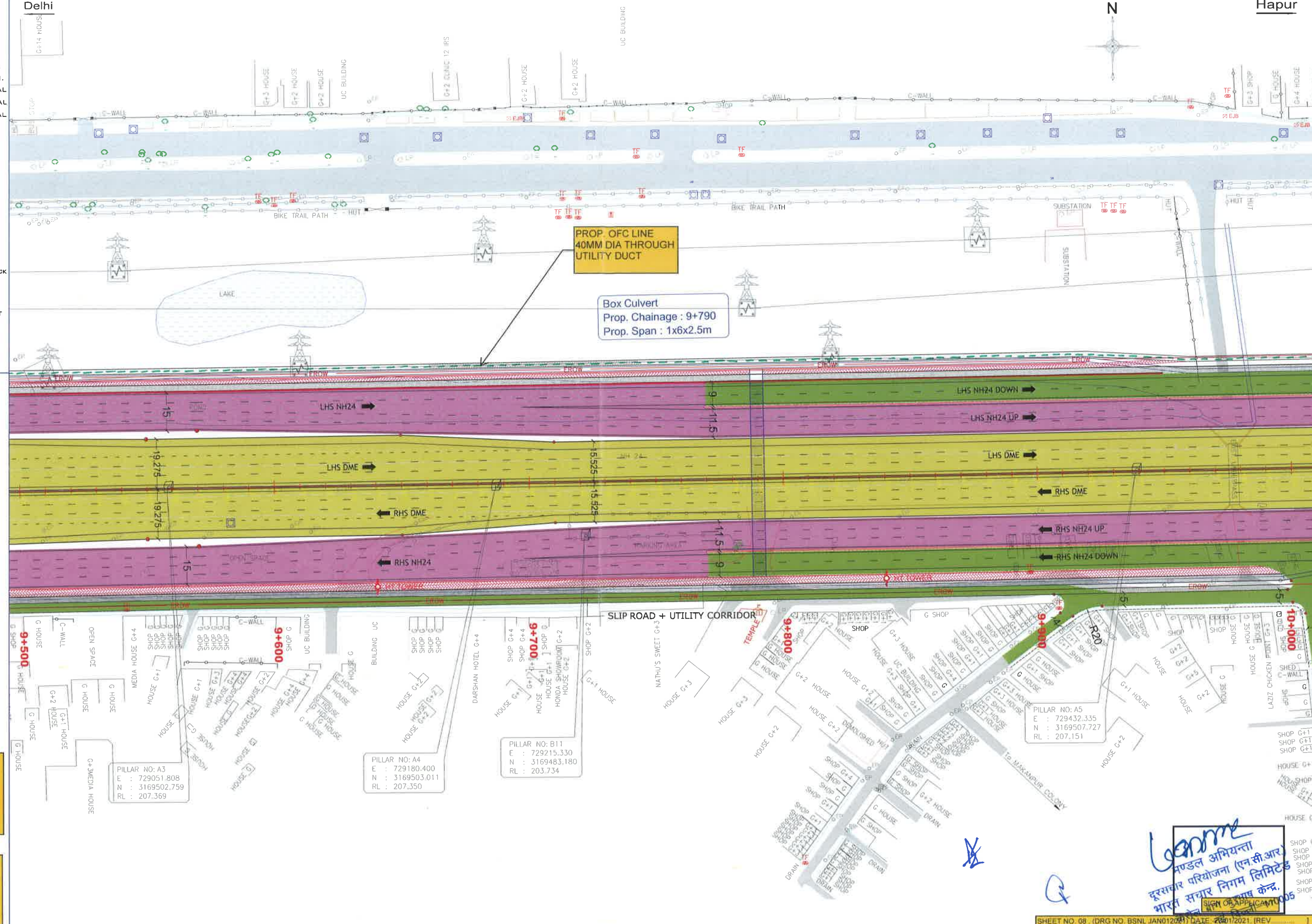
TITLE:-

PROPOSED ROUTE MAP OF
OFC LINE OF M/s. BSNL FROM
0.000 TO 23.500(LHS)
ALONG THE ROW ON NH-24,
DELHI-HAPUR ROAD
IN THE STATE OF DELHI &
UTTAR PRADESH.

Delhi

Hapur

N



PROP. OFC LINE
40MM DIA THROUGH
UTILITY DUCT

Box Culvert
Prop. Chainage : 9+790
Prop. Span : 1x6x2.5m

SLIP ROAD + UTILITY CORRIDOR

PILLAR NO: A3
E : 729051.808
N : 3169502.759
RL : 207.369

PILLAR NO: A4
E : 729180.400
N : 3169503.011
RL : 207.350

PILLAR NO: B11
E : 729215.330
N : 3169483.180
RL : 203.734

PILLAR NO: A5
E : 729432.335
N : 3169507.727
RL : 207.151

भारत संचार निगम लिमिटेड
प्रमुख कार्यालय
भारत संचार निगम लिमिटेड
प्रमुख कार्यालय
भारत संचार निगम लिमिटेड
प्रमुख कार्यालय

SHEET NO. 08 (DRG NO. BSNL JAN012021) DATE: 20/01/2021 (REV: 1)

PLAN :

EXISTING

EXIST. ROAD

SP-R	: SEMI PUCCA RESI.
SP-C	: SEMI PUCCA COMM.
P-R	: PUCCA RESIDENTIAL
P-C	: PUCCA COMMERCIAL
K-R	: KUCCA RESIDENTIAL
HUT	: HUT

-  : PEDDY FIELD
-  : BOUNDARY WALL
-  : FENCING

— ERW — EXISTING ROW

PROPOSED

DME
NH24 UP
NH24 DN
CYCLE TRACK
UTILITY CORRIDOR

HQR, TANGENT POINT

SIGNATURE MORT&H

SIGNATURE NHAI

REV

DESCRIPTION:-

DATE:

APPLICANT

**BHARAT SANCHAR NIGAM
LIMITED**
(A govt. of india. enterprises)
G/o DE TP NCR
D-TAX BUILDING
EASTERN COURT,
HARISH CHANDAR MATHUR
LANE,ND-110001
PH-011,23766770

TITLE:-

**PROPOSED ROUTE MAP OF
OFC LINE OF M/s. BSNL FROM
0.000 TO 23.500(LHS)
ALONG THE ROW ON NH-24,
DELHI-HAPUR ROAD
IN THE STATE OF DELHI &
UTTAR PRADESH.**

Delhi

Hapur

PROP. OFC LINE
40MM DIA THROUGH
UTILITY DUCT

Vehicular Underpass (VUP)

Prop. Chainage : 15+280

Prop. Span : 2x15x5.5m

PILLAR NO: A24
E : 734560.206
N : 3170183.853
RL : 207.107

PILLAR NO: A25
E : 734794.126
N : 3170269.809
RL : 207.408

KMS - 15

मण्डल अभियन्ता
दूरसंचार परियोजना (एन.सी.आर.)
भारत संचार निगम लिमिटेड
न्यूलॉग बाग दुरग्राह केंद्र,
दिल्ली-110005

SIGN OF APPRECIANT

SHEET NO. 18 (DRG NO. BSNL JAN012021) DATE -23/01/2021, (REV

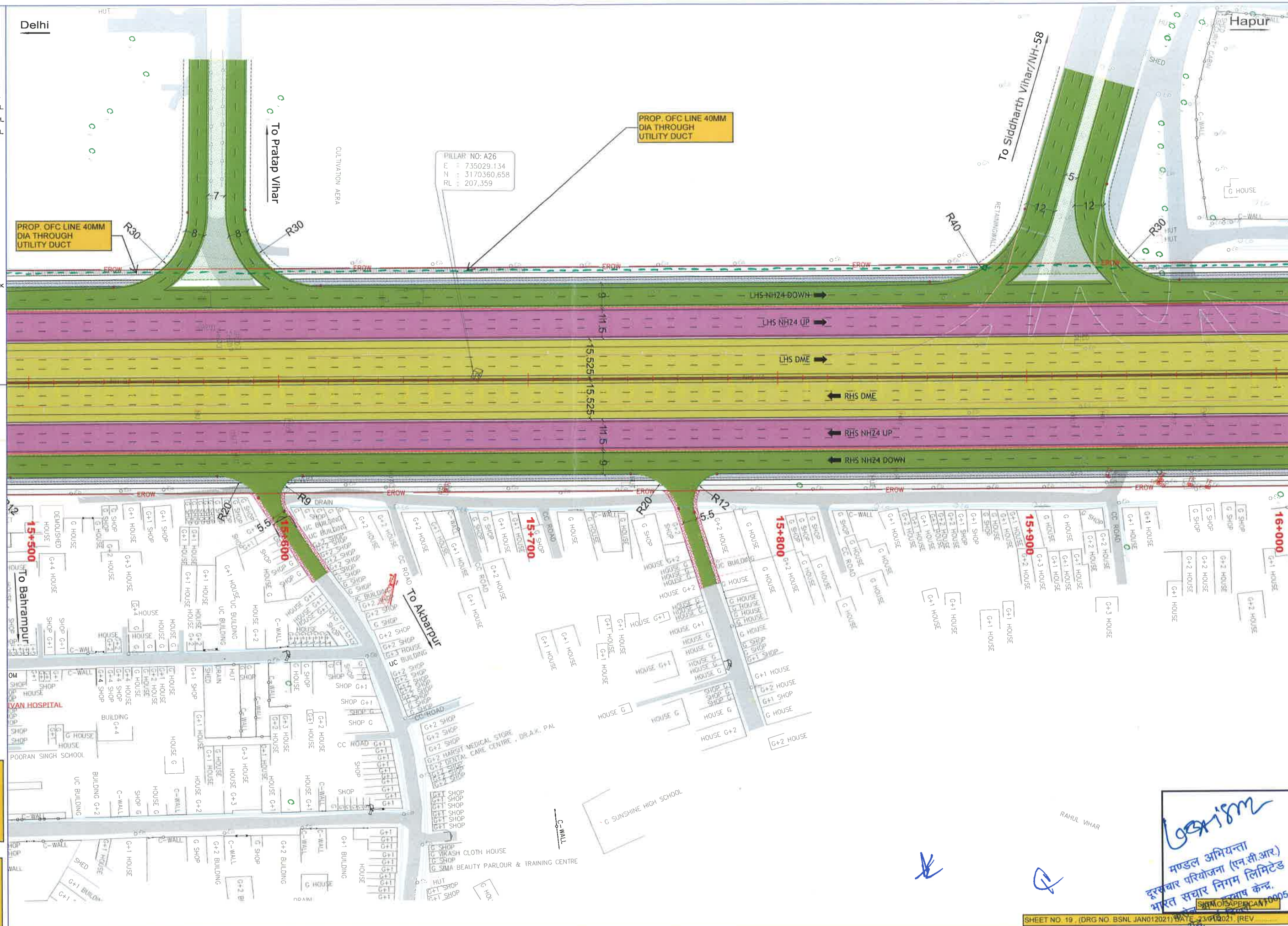
— ERD — EXISTING ROW

STUDENT
CORRIDOR

HQR. TANGENT POINT

DATE:

PROPOSED ROUTE MAP OF
OFC LINE OF M/s. BSNL FROM
0.000 TO 23.500(LHS)
ALONG THE ROW ON NH-24,
DELHI-HAPUR ROAD
IN THE STATE OF DELHI &
UTTAR PRADESH



SHEET NO. 19 (DRG NO. BSNL JAN012021) DATE: 23/01/2021 (REV

LEGEND :

PLAN :

- EXISTING
- EXIST. ROAD
- SP-R : SEMI PUCCA RESI.
- SP-C : SEMI PUCCA COMM.
- P-R : PUCCA RESIDENTIAL
- P-C : PUCCA COMMERCIAL
- K-R : KUCCA RESIDENTIAL
- HUT : HUT
- PEDDY FIELD
- BOUNDARY WALL
- FENCING
- EROW - EXISTING ROW
- PROPOSED
- DME
- NH24 UP
- NH24 DN
- CYCLE TRACK
- UTILITY CORRIDOR
- HOR. TANGENT POINT

SIGNATURE MORT&H

SIGNATURE NHAI

REV. DESCRIPTION DATE

APPLICANT:-

BHARAT SANCHAR NIGAM LIMITED
(A govt. of india enterprises)
O/o DE TP NCR
D-TAX BUILDING
EASTERN COURT,
HARISH CHANDAR MATHUR
LANE,ND-110001
PH-011 23766770

TITLE:-

PROPOSED ROUTE MAP OF
OFC LINE OF M/s. BSNL FROM
0.000 TO 23.500(LHS)
ALONG THE ROW ON NH-24,
DELHI-HAPUR ROAD
IN THE STATE OF DELHI&
UTTAR PRADESH

Vehicular Underpass (VUP)
Prop. Chainage : 16+100
Prop. Span : 2x15x5.5m

PROP. OFC LINE
40MM DIA THROUGH
UTILITY DUCT

PILLAR NO: A29
E : 735748.274
N : 3170601.744
RL : 207.395

PILLAR NO: A28
E : 735505.013
N : 3170536.812
RL : 207.234

मण्डल अभियन्ता
संचार परियोजना (एन.सी.आर.)
भारत संचार निगम लिमिटेड
करोल बाग दिल्ली-110005
SIGN OFF APPLICANT

LEGEND :

PLAN :

EXISTING

EXIST. ROAD

SP-R : SEMI PUCCA RESI.
SP-C : SEMI PUCCA COMM.
P-R : PUCCA RESIDENTIAL
P-C : PUCCA COMMERCIAL
K-R : KUCCA RESIDENTIAL
HUT : HUT

PEDDY FIELD
BOUNDARY WALL
FENCING
EROW - EXISTING ROW

PROPOSED

DME
NH24 UP
NH24 DN
CYCLE TRACK
UTILITY CORRIDOR
HOR. TANGENT POINT

SIGNATURE MORT&H

SIGNATURE NHAI

REV.:

DESCRIPTION:

DATE:

APPLICANT

BHARAT SANCHAR NIGAM
LIMITED
(A govt. of India, enterprises)
O/o DE, TP NCR
D-TAX BUILDING
EASTERN COURT,
HARISH CHANDAR MATHUR
LANE, ND-110001
PH-011.23766770

TITLE:-

PROPOSED ROUTE MAP OF
OFC LINE OF M/s. BSNL FROM
0.000 TO 23.500(LHS)
ALONG THE ROW ON NH-24,
DELHI-HAPUR ROAD
IN THE STATE OF DELHI &
UTTAR PRADESH

Hapur

HORIZONTAL CURVE DETAILS	
CURVE NUMBER	8
RADIUS (m)	1820.0
CURVE LENGTH (m)	972.962
TRANSITION LEN (m)	50.0
TANGENT LENGTH(m)	550.4
DEFLECTION ANGLE	32° 12' 14.7"
DES SPEED (KM/H)	100.0
SUPERELEVATION(%)	NORMAL

PILLAR NO: A30
E : 735996.788
N : 3170628.921
RL : 207.271

PROP. OFC LINE
40MM DIA THROUGH
UTILITY DUCT

Vehicular Underpass (VUP)
Prop. Chainage : 16+880
Prop. Span : 2x15x5.5m

PILLAR NO: A31
E : 736250.737
N : 3170626.191
RL : 207.308

SHEET NO. 21, (DRG NO. BSNL JAN012021) DATE: 24/01/2021, 11:00:05

LEGEND :

PLAN :

EXISTING

EXIST. ROAD

SP-R : SEMI PUCCA RESI.

SP-G : SEMI PUCCA COMM.

P-R : PUCCA RESIDENTIAL

P-G : PUCCA COMMERCIAL

K-R : KUCCA RESIDENTIAL

HUT : HUT

PEDDY FIELD

BOUNDARY WALL

FENCING

EROW - EXISTING ROW

PROPOSED

DME

NH24 UP

NH24 DN

CYCLE TRACK

UTILITY CORRIDOR

HQR. TANGENT POINT

SIGNATURE MORT&H

SIGNATURE NHAI

REV.:

DESCRIPTION:-

DATE:-

APPLICANT

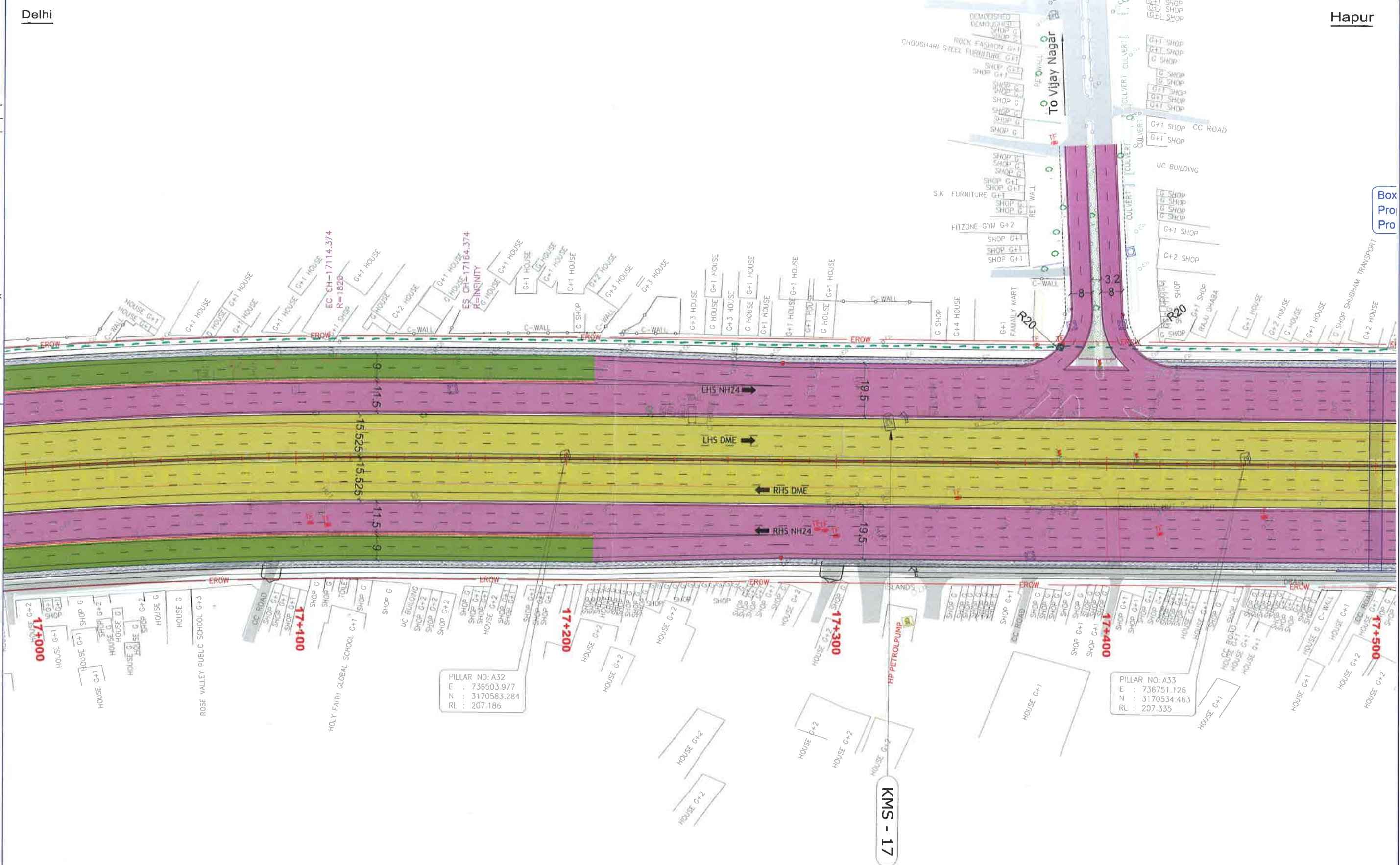
BHARAT SANCHAR NIGAM LIMITED
(A govt. of India, enterprises)
O/o DE TP NCR
D-TAX BUILDING
EASTERN COURT,
HARISH CHANDAR MATHUR
LANE NO-110001
PH-011.23766770

TITLE:-

PROPOSED ROUTE MAP OF
OFC LINE OF M/s. BSNL FROM
0.000 TO 23.500(LHS)
ALONG THE ROW ON NH-24,
DELHI-HAPUR ROAD
IN THE STATE OF DELHI&
UTTAR PRADESH.

Delhi

Hapur



LEGEND :

PLAN :

- EXISTING
- EXIST. ROAD
- SP-R : SEMI PUCCA RESI.
- SP-C : SEMI PUCCA COMM.
- P-R : PUCCA RESIDENTIAL
- P-C : PUCCA COMMERCIAL
- K-R : KUCCA RESIDENTIAL
- HUT : HUT
- PEDDY FIELD
- BOUNDARY WALL
- FENCING
- EROW - EXISTING ROW

- PROPOSED
- DME
- NH24 UP
- NH24 DN
- CYCLE TRACK
- UTILITY CORRIDOR
- HDR. TANGENT POINT

SIGNATURE MORT&H

SIGNATURE NHAI

REV. DESCRIPTION DATE

APPLICANT

BHARAT SANCHAR NIGAM LIMITED

(A govt. of india. enterprises)

O/o DE TP NCR

D-TAX BUILDING

EASTERN COURT,

HARISH CHANDAR MATHUR

LANE NO-110001

PH-011.23766770

TITLE:-

PROPOSED ROUTE MAP OF

OFC LINE OF M/s. BSNL FROM

0.000 TO 23.500(LHS)

ALONG THE ROW ON NH-24,

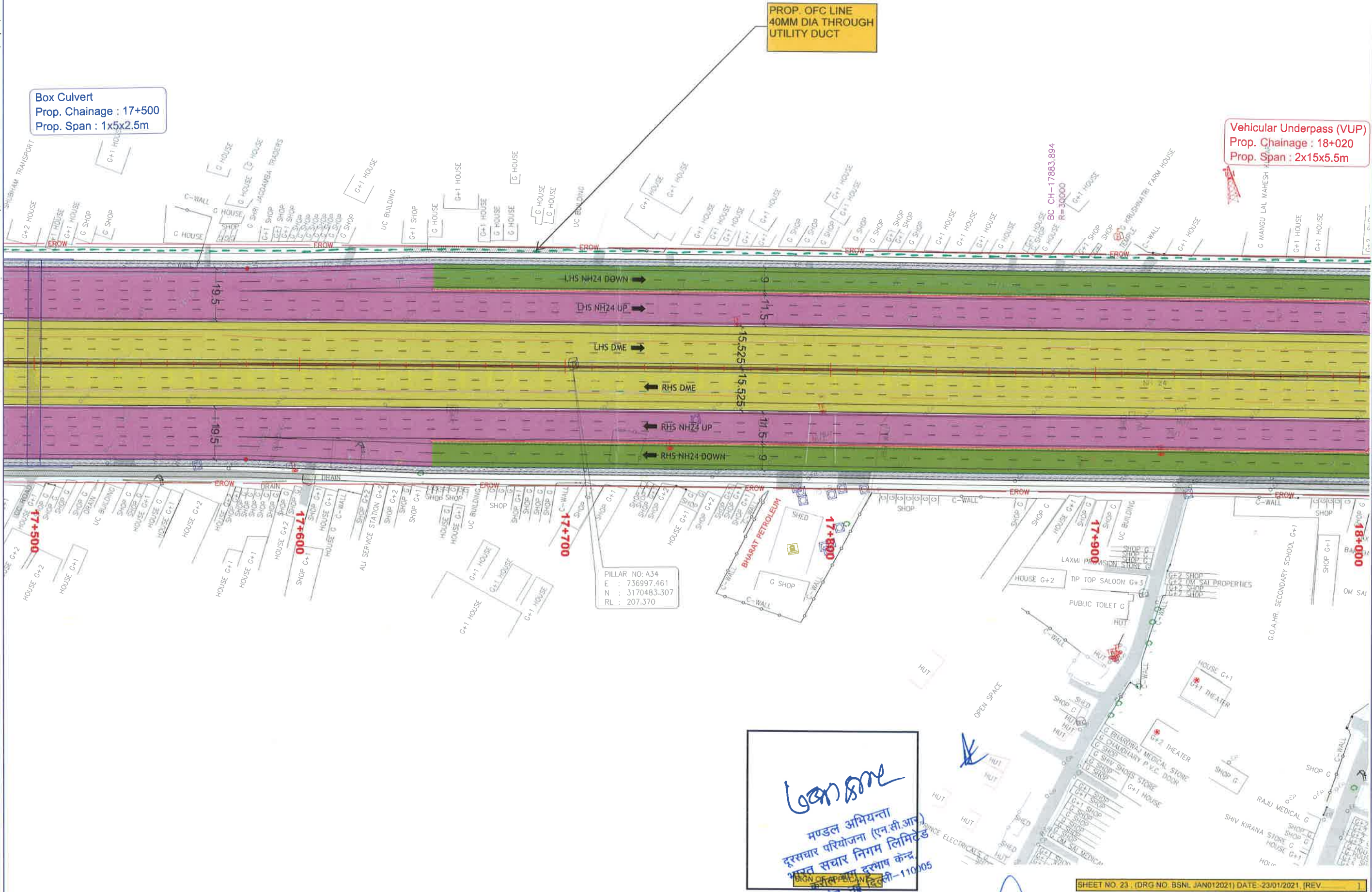
DELHI-HAPUR ROAD

IN THE STATE OF DELHI&

UTTAR PRADESH.

Delhi

Hapur



ND :

Delhi

- EXISTING
- EXIST. ROAD
- EMI PUCCA RESI.
- EMI PUCCA COMM.
- PUCCA RESIDENTIAL
- PUCCA COMMERCIAL
- PUCCA RESIDENTIAL
- HUT
- PEDDY FIELD
- BOUNDARY WALL
- FENCING
- EXISTING ROW
- PROPOSED
- DME
- NH24 UP
- NH24 DN
- CYCLE TRACK
- UTILITY CORRIDOR
- IR. TANGENT POINT

HORIZONTAL CURVE DETAILS	
CURVE NUMBER	9
RADIUS (m)	30000.0
CURVE LENGTH (m)	340.199
TRANSITION LEN (m)	0.0
TANGENT LENGTH(m)	170.1
DEFLECTION ANGLE	0° 38' 59.0"
DES SPEED (KM/H)	100.0
SUPERELEVATION(%)	NORMAL

PROP. OFC LINE
40MM DIA THROUGH
UTILITY DUCT

PILLAR NO: A35
E : 737488.192
N : 3170381.107
RL : 207.729

PILLAR NO: A36
E : 737739.413
N : 3170327.674
RL : 207.436

PILLAR NO: GPS18B
E : 737773.256
N : 3170322.086
RL : 207.753

KMS - 18

मण्डल अभियन्ता
दूरसंचार परियोजना (एन.सी.आर.)
भारत संचार निगम लिमिटेड
करोल बाग दूरभाष केन्द्र,
नई दिल्ली-110005

SIGN OF APPLICANT

