

भारतीय राष्ट्रीय राजमार्ग प्राधिकरण

(सड़क परिवहन और राजमार्ग मंत्रालय, भारत सरकार)

NATIONAL HIGHWAYS AUTHORITY OF INDIA

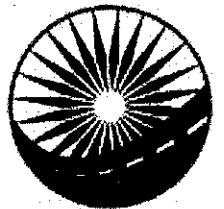
(Ministry of Road Transport and Highways, Govt. of India)

क्षेत्रीय कार्यालय \ REGIONAL OFFICE

ई-2/167, अरेरा कॉलोनी, हबीबगंज रेल्वे स्टेशन के पास, भोपाल (म.प्र.) 462 016

E-2/167, Arera Colony, Near Habibganj Railway Station, Bhopal (M.P.)-462 016

दूरभाष/Phone : 0755-2426638, फैक्स/Fax : 0755-2426698, ई-मेल/E-mail : robhopal@nhai.org



भारतमाला
प्रगति के पथ पर अग्रसर
BHARATMALA
ROAD TO PROSPERITY

NHAI/RO-MP/UJN/Pipe line/SSMIP/2020/39322

Date: 16.06.2020

Invitation of Public Comments

Sub: Regarding the crossing of proposed 8 lane Delhi-Vadodara Expressway by M/s Offshore Infrastructure Limited under the Shamgarh Suwasra micro irrigation project.

Ref: PD, PIU-Ujjain letter no. NHAI/PIU/UJJAIN/WRD/2020/854 dated 09.06.2020.

Vide above reference proposal for the crossing of proposed 8 lane Delhi-Vadodara Expressway by M/s Offshore Infrastructure Limited under the Shamgarh Suwasra micro irrigation project.

2. As per Ministry vide OM No. RW/NH-33044/29/2015/S&R (R) dated 22.11.2016, the Highways Administrator will make available the proposal seeking permission for utility laying for public comments for 30 days on ground of public interest.

3. In view of the above the comments of public are invited on captioned proposal and the same should reach to below mentioned address till **15.07.2020** beyond which no comments will be considered.

The Highway Administrator
O/o Regional Officer,
National Highways Authority of India
E-2/167, Arera Colony,
Near Habibganj Railway Station,
Bhopal (MP)-462016
E-mail ID:robhopal@nhai.org

4. This issues with the approval of Regional Officer cum Highway Administration.

R.K. Gupta
(R.K. Gupta)
DGM (Tech.)

Copy to:

(i) Web Admin, NHAI-HQ-with request for uploading on the NHAI website.

(ii) The Senior Technical Director, NIC, Transport Bhawan, New Delhi-110001 for uploading on Ministry's Website.

(ii) The Project Director, PIU-Ujjain for information.

(iii) The Project Administrator, SSPIU, WRD, Shamgarh, Distt. Mandsaur (M.P.)-458883 for information.

भारतीय राष्ट्रीय राजमार्ग प्राधिकरण
(सड़क परिवहन और राजमार्ग मंत्रालय)

National Highways Authority Of India

(Ministry of Road Transport and Highways, Govt. of India)

परियोजना कार्यान्वयन इकाई - उज्जैन / Project Implementation Unit

कार्यालय : बी-21/9, महानन्दा नगर, उज्जैन (म.प्र.) 456 010

Office : B-21/9, Mahananda Nagar, Ujjain (M.P.) 456 010

ई-मेल / E-Mail : piujain@nhai.org, ujjainnhai@gmail.com



भारतमाला
भारतमाला
BHARATMALA
ROAD TO PROSPERITY

NHAI/PIU/UJJAIN/WRD/2020/ 854

To,

Regional Officer MP, Bhopal
National Highways Authority of India,
Regional Office, E-2/167, Arera Colony,
Near Habibganj Railway Station,
Bhopal - 462 016 (MP)

Sub: Regarding the crossing of proposed 8 lane Delhi-Vadodara Expressway by M/s Offshore Infrastructure limited under the Shamgarh Suwasra micro irrigation project.

Ref: 1. A/E letter no. 61 dated 28.05.2020.
2. GRIL Letter no. 248 dated 28.05.2020
3. This office letter no. 327 dated 05.03.2020

With reference to above subjected matter please refer to Project Administrator, SSPIU, WRD Shamgarh; letter no. 148/SSPIU/TS/PA/2019-2020 dated 18.03.2020 received to this office on 05.05.2020 vide which proposal of permission for crossings of water pipelines at 9 locations and underground 33 KV HT line at 1 location across the subject project is submitted.

2. The proposal was forwarded to the Authority Engineer and the EPC contractor for their comments and recommendation, in response to which they have submitted the recommendation vide their letter no.61 dated 28.05.2020 wherein they have proposed the crossing chainage location finalized by them after conducting the site inspection jointly with representatives of SSPIU Shamgarh and also submitted that the proposal by SSPIU along with the drawing with little correction is in accordance with the MoRTH Circular No. RW/NH/-33044/29/2015 S&R(R) dated 22.11.2016. It is mentioned that the crossing of the pipelines and Electrical line is proposed perpendicular to the alignment i.e. in 100m length (width of ROW). Crossing chainages is as below:-

Sl. No.	Proposed Location by SSPIU	Proposed Location by AE (After Joint Inspection)	Dia. of Casing Pipe	NH Crossing Length
1	42+669	42+669	1.00	100
2	44+268	44+193	0.45	100
3	47+462	47+456	0.6	100
4	51+645	51+629	1.6	100
5	56+122	55+850	1.8	100
6	57+877	57+877	1.8	100
7	57+877	57+877	2.0	100
8	59+100	59+100	0.15	100
9	62+248	62+248	1.8	100
10	65+200	65+200	0.9	100

In view of above it is submitted as below:

- Crossings of the above utilities as proposed above by Authority Engineer may be considered.
- Utility Owning agency has proposed casing pipes of NP4 RCC Hume OR MS Pipe hence, no specific grade for MS pipe is mentioned. Therefore, the agency shall ascertain at their end to provide MS casing of sufficient strength as per the crossing specific overburden.
- The crossings at each location shall be provided with bedfillof 30cm with granular material which is not provisioned in proposal.
- The agency has termed backfill as **compacted earth filling** which shall be presumed as overfill/sidefill by granular material in layers not greater than 15cm in the trench.
- The above pipe line and electrical line crossings may be considered as public utility as per annexure 1 of MoRTH guideline dated 22.11.2016.

- vi. Based on above, the license fee for granting permission for initial period of 5 years is calculated as below as per the guideline mentioned in aforesaid MoRTH letter dated 22.11.2016:

S.No.	Crossing Chainage	Dia of Casing pipe (m)	Length of crossing (m)	Utilized NH land (m ²)	Location (Village)	Prevailing Circle Rate (converted to per Sq. Mtr from Hac.) as per FY 2020-21	Total Amount (Rs.)	License Fee per month for public Utility (Rs.)	Total license fee for 5 years
1	2	3	4	5 (3*100)	6	7	8	9= (5*7)/(10*12)*33%	10= (9*5year)
1	42+669	1.00	100	100	Varni (Garoth)	84.80	8480	23	1380
2	44+193	0.45	100	45	Bardiya Amra (Garoth)	161.28	7258	20	1200
3	47+456	0.60	100	60	Nariabujurg (Shamgarh)	112.00	6720	18	1080
4	51+629	1.60	100	160	Jamuniya (Shamgarh)	128.00	20480	56	3360
5	55+850	1.80	100	180	Bhagori (Shamgarh)	112.00	20160	55	3300
6	57+877	1.80	100	180	Deori (Shamgarh)	120.00	21600	59	3540
7	57+877	2.00	100	200	Deori (Shamgarh)	120.00	24000	66	3960
8	59+100	0.15	100	15	Kurawan (Shamgarh)	124.80	1872	5	300
9	62+248	1.80	100	180	Kurawan (Shamgarh)	124.80	22464	62	3720
10	65+200	0.90	100	90	Dhandi (Suwasra)	64.24	5782	16	960
Total									22,800

- vii. Regarding all required restoration, maintenance work subsequent to laying of utilities, performance bank guarantee for an amount based on per route meter with a validity of 1 year initially shall have to be furnished by the utility owning agency as a security against improper restoration of ground in terms of filling/unsatisfactory compaction damages which can be worked out as below as per point 6 of MoRTH guideline dated 22.11.2016:

S.No.	Crossing Chainage	Dia of Casing pipe (m)	Length of crossing (m)	Rate (Rs. / Meter)	Amount towards Performance Guarantee (Rs.)
1	2	3	4	5	6 (5*100)
1	42+669	1.00	100	250	25000
2	44+193	0.45	100	250	25000
3	47+456	0.60	100	250	25000
4	51+629	1.60	100	500	50000
5	55+850	1.80	100	500	50000
6	57+877	1.80	100	500	50000
7	57+877	2.00	100	500	50000
8	59+100	0.15	100	100	10000
9	62+248	1.80	100	500	50000
10	65+200	0.90	100	250	25000
Total					3,60,000

Further, as regard to additional measures for assuring backfilling as per specification additional bank guarantee is proposed amounting to Rs. 20,09,100/- which is worked out as follows:

S.No.	Crossing Chainage	Dia of Casing pipe (m)	Length of crossing (m)	Width of Trench	Hight of filling above pipe (mtr)	Amount of excavation			Amount of Granular Filling			Total Amount
						Qty	Rate (as per section 3.3 of SOR 2017)	Amount (Rs.)	Qty	Rate (as per section 13.10 of SOR 2017)	Amount (Rs.)	
1	2	3	4	5 (3+.6)	6	7 (4*5*6)	8	9 (7*8)	10 (7)	11	12(10*11)	13 (9+12)
1	42+669	1.00	100	1.60	1.20	192	45	8640	192	880	168960	177600
2	44+193	0.45	100	1.05	1.20	126	45	5670	126	880	110880	116550
3	47+456	0.60	100	1.20	1.20	144	45	6480	144	880	126720	133200
4	51+629	1.60	100	2.20	1.20	264	45	11880	264	880	232320	244200
5	55+850	1.80	100	2.40	1.20	288	45	12960	288	880	253440	266400
6	57+877	1.80	100	2.40	1.20	288	45	12960	288	880	253440	266400
7	57+877	2.00	100	2.60	1.20	312	45	14040	312	880	274560	288600
8	59+100	0.15	100	0.75	1.20	90	45	4050	90	880	79200	83250
9	62+248	1.80	100	2.40	1.20	288	45	12960	288	880	253440	266400
10	65+200	0.90	100	1.50	1.20	180	45	8100	180	880	158400	166500
Total												2009100

In view of above, the total amount in form of Performance Bank Guarantee comes out to Rs. 2009100/- + 3,60,000/- = 23,69,100/- and license fee of Rs. 22,800/- may be sought from utility owning agency before issuing permission. Thus the proposal of SSPIU, Shamgarh, for granting of permission for crossing of above utilities at aforesaid 10 locations as recommended by AE is being forwarded for kind approval and further necessary action.

Encl: Copy of proposal (2 nos.)

Yours faithfully,



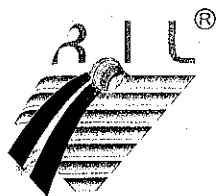
(Ravindra Gupta)

Project Director,

Project Implementation Unit, Ujjain

Copy to:

- Project Administrator, SSPIU, WRD, Shamgarh for information please.
- M/s Intercontinental Consultants and Technocrats Pvt. Ltd for information.
- M/s GR Infraprojects Ltd. For information.



GR INFRAPROJECTS LIMITED

(Formerly known as G.R. Agarwal Builders and Developers Limited)

CIN : U45201GJ1995PLC098652

Ref. No: GRIL/EPC/AE/Pkg-18/Misc/248

Date: 28.05.2020

To,
Project Director,
PIU Ujjain, National Highway Authority of India,
B-21/9, Mahananda Nagar,
Ujjain, MP



DMCT. P1
check
2.6.20

Sub: Construction of Eight Lane access – controlled Expressway Carriageway from Jodmi village to Bani village of Mandasur District (Ch. 484+420 to 517+420); design Ch. 32+000 to Ch. 65+000 section of Delhi-Vadodara Greenfield Alignment (NH148N) on EPC Mode under Bharatmala Pariyojana in the State of Madhya Pradesh (Package-18) – Regarding the crossing of proposed 8 lane Delhi-Vadodara expressway under the Shamgarh Suwasara Micro Irrigation Project for the construction of above mentioned expressway.

Ref: 1. NHA Letter no. NHA/PIU/UJN/PKG-18/Misc/2020/300 Dated 29.02.2020
2. Contractor Letter. GRIL/EPC/Pkg-18/Misc/180 Dated 15.04.2020
3. NHA Letter no. NHA/PIU/UJJAIN/AE/ICT/PKG-18/2020/677 Dated 16.05.2020.

Dear Sir,

With reference to above cited subject matter & reference at Sr. No. 03 above, vide which the Authority has directed the Contractor for examination of subjected proposal as per standard and the specifications laid by NHA or MoRTH for accommodation of Utilities under RoW.

In this regards, it is to submit that:

1. The Typical drawings for crossing of the NH are reviewed and based on the plan & profile design, surcharge likely on the casing at all the locations are as mentioned in the table below. The authority is requested to get it verified from Site / "As laid Drawings" and confirm the details to the Contractor. Further the service provider may also be advised to check the design of casings for such surcharge heights.

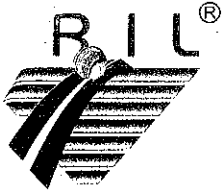
S. No.	DPR Chainage		Pipeline Details		Design FRL (m) as per P&P	Surcharge height on the pipe casing (Mts) (OG L to FRL)	Remarks
	From (km)	To (km)	Proposed Chainage of Pipe Crossing (as per P&P)	Dia of Pipe (mm)			
1	42+600	42+700	42+669	800	436.25	4.5	
2	44+100	44+300	44+268	280	436.23	6.7	
3	47+400	47+500	47+463	400	450.7	7.4	
4	51+600	51+800	51+645	1400	450.45	4.7	
5	56+400	56+500	56+123	1600	463.42		In cutting, VOP Approach
6	57+800	57+900	57+877	1500	454.98	3.7	
7	57+800	57+900	57+877	1800	454.98	3.7	
8	62+200	62+300	62+248	1500	431.85	5.2	

CORPORATE OFFICE :
2nd Floor, Novus Tower
Plot No. 18, Sector-18
Gurugram, Haryana-122015, India
Ph.: +91-124-6435000

HEAD OFFICE :
GR House, Hiran Magri, Sector-11
Udaipur, Rajasthan-313002, India
Ph.: +91-294-2487370, 2483033

REGISTERED OFFICE :
Revenue Block No. 223
Old Survey No. 384/1, 384/2, Palki
and 384/3, Khata No. 464, Kochariya
Ahmedabad, Gujarat-382220, India





G R INFRAPROJECTS LIMITED

(Formerly known as G.R. Agarwal Builders and Developers Limited)

CIN : U45201GJ1995PLC098652

2. The WRD pipe at km 56+400 needs to be relocated from VOP approach and new location may be informed.
3. The details of underground 33 KV (HT) electrical line crossing as mentioned your letter under ref03 is missing. Kindly provide the same to check the available cushion/surcharge over the pipes as mentioned in the agreement. it is also requested to provide the detailed drawings including co-ordinates of the same.
4. It may be noted that pipeline crossing at Km 65+200 as mentioned in sl no 9 in the list of your letter under ref03 is not in our project scope. The same may be taken up with the concerned agency.

Submitted for kind information and necessary actions.

Thanking you and assuring our best services at all times.

Yours faithfully,

For G R Infraprojects Limited

(Debasis Patra)

Authorised Signatory

Enclosure: As Above

Copy to:

1. The Authority's Engineer, ICT, Shamgarh: for information please.

CORPORATE OFFICE :

2nd Floor, Novus Tower
Plot No. 18, Sector-18
Gurugram, Haryana-122015, India
Ph.: +91-124-6435000

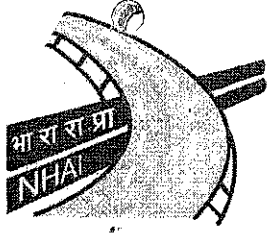
HEAD OFFICE :

GR House, Hiran Magri, Sector-11
Udaipur, Rajasthan-313002, India
Ph.: +91-294-2487370, 2483033

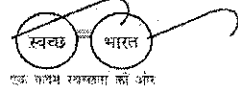
REGISTERED OFFICE :

Revenue Block No. 223
Old Survey No. 384/1, 384/2, Paiki
and 384/3, Khata No. 464, Kochariya
Ahmedabad, Gujarat-382220, India





भारतीय राष्ट्रीय राजमार्ग प्राधिकरण
(सड़क परिवहन और राजमार्ग मंत्रालय, भारत सरकार)
National Highways Authority of India
(Ministry of Road Transport and Highways, Govt. of India)



भारतमाला
प्रगति के पथ पर अग्रसर
BHARATMALA
ROAD TO PROSPERITY

परियोजना कार्यान्वयन इकाई / Project Implementation Unit

कार्यालय : बी-21/9, महानन्दा नगर, उज्जैन (म.प्र.) 456 010

Office : B-21/9, Mahananda Nagar, Ujjain (M.P.) 456 010

ई-मेल/E-mail : piujain@nhai.org, ujjainnhai@gmail.com

NHAI/PIU/UJJAIN/D-V/Pkg.18/US/2020/327

Dated 05.03.2020

To,

The Project Administrator
SSPIU, Shamgarh
District Mandsaur (MP)

Sub.: Regarding the crossing of proposed 8 lane Delhi-Vadodara Expressway by M/s Offshore Infrastructures Limited under the Shamgarh Suwasra micro irrigation project.

Ref.: 1. Your Letter No. 93/SSPIU/TS/PA/2019-2020 Shamgarh dtd 28.02.2020
2. MoRT&H Circular No. RW/NH-33044/29/2015/S&R(R) dtd 22.11.2016

Sir,

With reference to above cited letter under reference dated 28.02.2020 vide which you have submitted proposal for permission of crossing of proposed 8 lane Delhi-Vadodara Expressway by M/s Offshore Infrastructures Limited under the Shamgarh Suwasra micro irrigation project.

This office has been examined your proposal and found that this proposal is not as per MoRT&H circular RW/NH-33044/29/2015/S&R(R) dtd 22.11.2016 (copy enclosed).

In view of the above, you are requested to re-submit the above proposal as per MoRT&H norms, so that the necessary further action could be taken accordingly.

The original proposal has been return to you.

Yours sincerely,


(Ravindra Gupta)

Project Director

Project Implementation Unit, Ujjain

Copy to: -

- RO-MP, NHAI, Bhopal for kind information please.
- Chief Engineer, Water resource Deptt., Indore (MP) for information.
- Intercontinental Consultants and Technocrats Pvt. Ltd (ICT) for information.
- M/s GR Infraprojects Ltd. For information.



**Intercontinental Consultants
and Technocrats Pvt. Ltd.**

In
association with

**MSPARK Futuristics
& Associates**

Consultancy Services for Authority's Engineer for Supervision of Construction of 8-lane access controlled Greenfield Delhi Vadodara Expressway (NH - 148 N) starting at Rajasthan / MP Border to Bardawadi village of Mandsaur district (Ch. 452 +420 to Ch. 546+920) in the state of Madhya Pradesh on EPC mode under Bharatmala Pariyojana [Delhi - Vadodara / NH-148N / AE / Pkg - 5]

TL-PIU/NHAI/ Del-Vad/Pkg5/NH-148N/2020/ 61

Date: 28th May, 2020

To,

The Project Director,
National Highways Authority of India,
Project Implementation Unit – Ujjain,
B- 21/9, Mahananda Nagar,
Ujjain, Madhya Pradesh.
Email: ujjainnhai@gmail.com, piuuujain@nhai.org



Subject: Consultancy services for Authority's Engineer for Supervision of construction of eight Lane access controlled Greenfield Delhi – Vadodara Expressway (NH-148N) starting at Rajasthan / MP Border to Bardawadi village of Mandsaur district (Ch. 452+420 to 546+920) in the State of Madhya Pradesh on EPC Mode under Bharatmala Pariyojana [Delhi - Vadodara /NH-148N/AE/Pkg-5) : Reg- Regarding the Crossing of Water Pipe Line by M/s Offshore Infrastructures Ltd. under the Shamgarh Suwasara Micro Irrigation Project.

PIU's Ref No.: NHAI/PIU/UJJAIN/AE/ICT/Pkg-18/2020/676, Dated: 16.05.2020

Dear Sir,

With reference to above, joint site visit along with representatives of WRD (SSPIU, Shamgarh), M/s Offshore Infrastructures Ltd. and M/s G.R. Infraprojects Ltd. done and locations of utility pipeline crossing finalized, which are mentioned below:

Sl. No.	Proposed Location	Finalized Location (After joint Inspection)	Dia of casing Pipe (Mtr)	NH crossing length (Mtr)	Remarks
1	42+669	42+669	1.00	100	
2	44+268	44+193	0.45	100	
3	47+462	47+456	0.60	100	
4	51+645	51+629	1.60	100	
5	56+122	55+850	1.80	100	
6	57+877	57+877	1.80	100	
7	57+877	57+877	2.00	100	
8	59+100	59+100	0.15	100	
9	62+248	62+248	1.80	100	
10	65+200	65+200	0.90	100	



CIN : U74899DL1987PTC026913
Regd. Office : A-8, Green Park, New Delhi-110 016, INDIA
Tel.: +91-11-40863000 Fax :+91-11-26855252
Email: business@ictonline.com
Website : http://www.ictonline.com

Site Office

C/o Sri Sanjay Bhutani,
Near Kanha Manglik Bhawan, In front of Mahi Hotel,
Shamgarh, (M.P) – 458883
Email : shamgarh@ictonline.com

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**Intercontinental Consultants
and Technocrats Pvt. Ltd.**

*In
Association with*

**MSPARK Futuristics
& Associates**

Consultancy Services for Authority's Engineer for Supervision of Construction of 8-lane access controlled Greenfield Delhi Vadodara Expressway (NH – 148 N) starting at Rajasthan / MP Border to Bardawadi village of Mandsaur district (Ch. 452 +420 to Ch. 546+920) in the state of Madhya Pradesh on EPC mode under Bharatmala Pariyojana [Delhi - Vadodara / NH-148N / AE / Pkg - 5]

In continuation to this, submitted drawings also reviewed and found in accordance to Circular No: F.No. RW/NH-33044/29/2015 S&R(R), dated: 22th Nov. 2016, of Ministry of Road Transport and Highways (G.O.I.).

Hence, work can be proceeded according to the above referred locations and drawings.

Thanking you and assuring of our best services at all the times.

Yours truly,

**For, Intercontinental Consultants and Technocrats Pvt. Ltd.
In association with
MSPARK Futuristics & Associates**

**(Anil Kumar Singh)
Acting Team Leader**

Enclosure: 1. MoRT&H Circular and drawings
2. Corrected Drawing

Copy to: 1. Dr. Mahesh Kumar, Engineer and President, ICT
2. Project Manager, Pkg – 18, M/s GR Infraprojects Ltd.

CIN : U74899DL1987PTC026913

Regd. Office: A-8, Green Park, New Delhi-110 016, INDIA

Tel.: +91-11-40863000 Fax :+91-11-26855252

Email: business@ictonline.com Website :

<http://www.ictonline.com>

Site Office

C/o Sri Sanjay Bhutani,

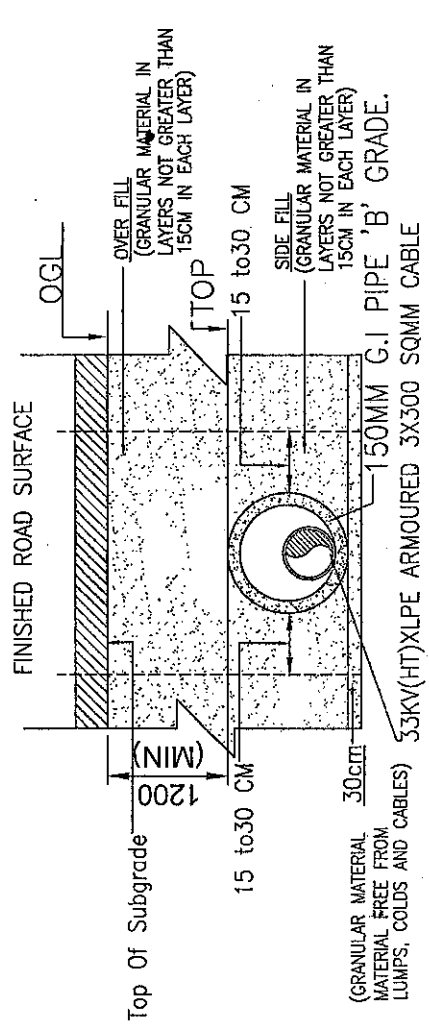
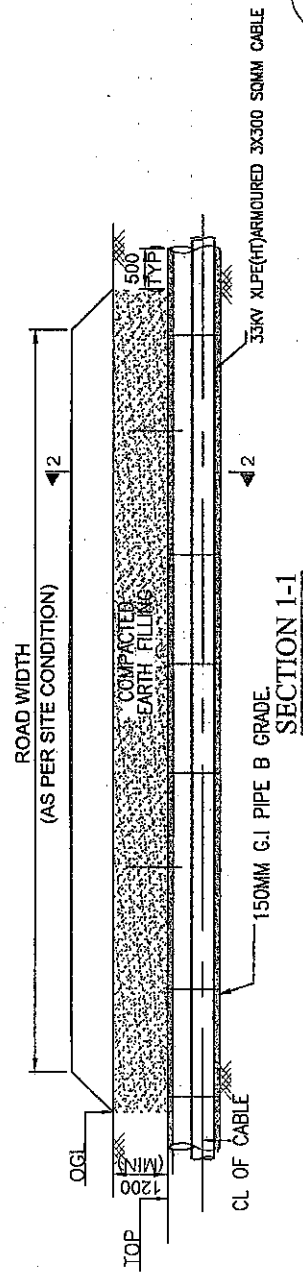
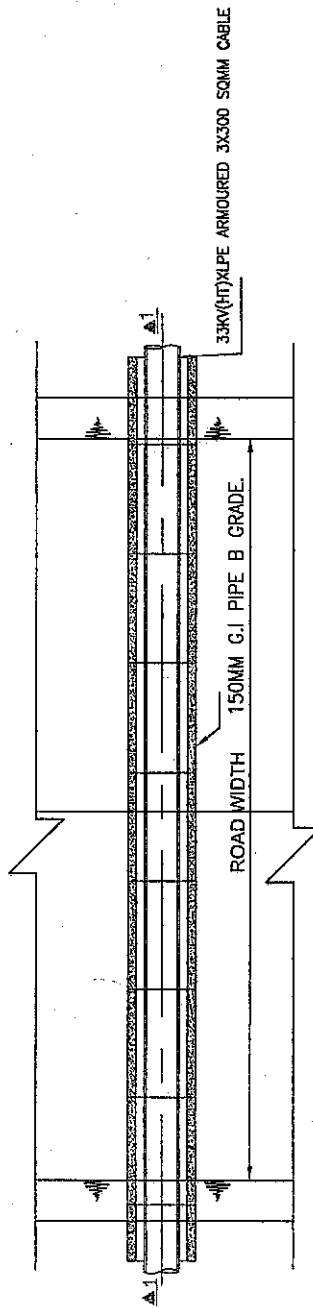
Near Kanha Manglik Bhawan, In front of Mahi Hotel,

Shamgarh, (M.P.) – 458883

Email : shamgarh@ictonline.com



TYPICAL DETAILS OF NH CROSSING
33KV (HT) XLPE ARMoured 3X300 SQMM CABLE
FOR ELECTRICAL SERVICES BETN CHAINAGE 59+100 TO 59+150



Drawing as per MoRT&H circular RW/NH-33044/29/2015/S&R(R) dtd 22.11.2016

NOTE :

- 1) TOP - TOP OF PIPE;
- 2) OGL - ORIGINAL GROUND LEVEL.

NO	20-02-2020	SUBMISSION FOR APPROVAL	MVD	RPU	NPA
REV	DATE	DESCRIPTION	DRAWN	CHECKED	APPROVED

CLIENT : GOVERNMENT OF MADHYA PRADESH
 WATER RESOURCES DEPARTMENT

PROJECT : SHAMGARH SUWASRA MICRO
 IRRIGATION PROJECT

CONTRACTOR : **OFFSHORE INFRASTRUCTURES LIMITED**

DESIGN CONSULTANT : **SAISANKET INDUSTRIES PVT. LTD.**

DRAWN BY : MAYUR
 CHECKED BY : RPU
 SUBMITTED BY : LAXMAN
 MANU P. A.

PROJECT MANAGER : *(Signature)*
 ASSISTANT MANAGER : *(Signature)*
 SUB ENGINEER : *(Signature)*

TITLE : TYPICAL DETAILS OF 33KV(HT) ELECTRIC CABLE CROSSING FOR NH

PROJECT CODE : 10560
 DRAWING NO. : OIL-10560-SSMIP-NHELCR-1105
 SHEET NO. : 01
 OF : 01

NATIONAL / STATE HIGHWAY, A
CONCRETE OR HUME PIPE SHALL BE
COVERED OVER THE PIPE (UPTO 2 M
PIPE DIA).

2) OGL - ORIGINAL GROUND LEVEL.

3) FGL - FALSE GROUND LEVEL.

4) AT CHAINAGE 56+122 A VOP IS PROPOSED AND THE FGL IS -4.1M

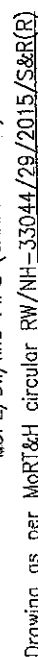
BELOW OGL, AS PER DATA PROVIDED
IN L-SECTION.

5) TOP - TOP OF PIPE.

6) CASING PIPE SHALL BE NP4 RCC HUME / MS PIPE



HIGHWAY CROSSING DETAILS



dtd 22.11.2016

SECTION 2-2

[illegible]



GOVERNMENT OF INDIA
MINISTRY OF ROAD TRANSPORT & HIGHWAYS
AN ISO 9001:2008 CERTIFIED MINISTRY

S&R(R) ZONE

IAHE Campus,
A-5, Sector-62,
Noida-201301.

F. No. RW/NH-33044/29/2015/S&R(R)

Dated: 22nd November, 2016

To,

1. The Chief Secretaries of all the State Governments/ UTs
2. The Principal Secretaries/ Secretaries of all States/ UTs Public Works Department dealing with National Highways, other centrally sponsored schemes.
3. All Engineers-in-Chief and Chief Engineers of Public Works Department of States/ UTs dealing with National Highways, other centrally sponsored schemes.
4. The Director General (Border Roads), Seema Sadak Bhawan, Ring Road, New Delhi-110 010.
5. The Chairman, National Highways Authority of India, G-5 & 6, Sector-10, Dwarka, New Delhi-110 075.
6. The Managing Director, NHIDCL, PTI Building, New Delhi-110001

Subject: Accommodation of Public and Industrial Utility Services along and across National Highways – Policy guidelines regarding.

Sir,

The Government has realized that development of infrastructure across the Country on a sustainable and integrated manner continues to be an imperative for improving the state of economy, enhancing quality of life of the citizens and ensuring equitable development throughout the country.

Land being among the most precious of natural resources available, optimum utilization of land shall play a critical role in integrated development of infrastructure. One of the ways to effect such optimum utilization is leveraging land within National Highway (NH) Right of Way (ROW) for laying utility services. This may be achieved through granting permissions for laying utility services along and /or across the ROW. However, environment and safety of the road users are the prime factors in deciding permission for utility services. Permission may be denied, if it is not feasible to ensure safety and environment through requisite safeguards. The Administration of ROW, has been defined in the National Highway Land and traffic Control Act 2002 and relevant Rules 2004.

Keeping in view the need for consistency and clarity, in supersession of all the instructions contained in the earlier previous circulars on the subject, following guidelines shall apply for accommodation of Utility Services along and across National Highways.

2. Laying of Utility Services along the National Highways:

- 2.1 There shall be a provision for utility ducts for appropriate categories/combination of utilities in the construction of new/4-6 laning of National Highways. The ducts shall be located at appropriate location preferably as close to the extreme edge of ROW.
- 2.2 Utility services shall be laid in the utility ducts, if provided for the purpose.
- 2.3 In stretches where utility ducts have not been provided, the utility services shall be located, beyond the toe line of the embankment and drains, as close to the extreme edge of the RoW as possible. While granting permission, requirement of up-gradation also needs to be kept in view.

Mamij Kumar

2.4 It is to be ensured that at no time there is interference with the drainage of the road land and maintenance of the National Highways. Towards this, the top of the utility services shall be at least 0.6 metre below the ground level.

2.5 No utility service shall be laid over existing culverts and bridges except through the utility ducts where such provision exists. In case of absence of such provisions, the Licensee shall make his own arrangement for crossing of cross drainage structure, rivers, etc. below the bed.

2.6 In exceptional cases, where ROW is restricted the utility services can be allowed beneath the carriageway of service road, subject to the condition that the utility services be laid in concrete ducts, which will be designed to carry traffic on top. The width of the duct in such case shall not be less than one lane. In such cases, it also needs to be ensured that maintenance of the utility services shall not interfere with the safe and smooth flow of traffic. The cost of operation and maintenance will have to be borne by the Licensee as per the agreement.

3. Laying of Utility Services across the National Highway:

3.1 The utility services shall be permitted to cross the National Highway either through structure or conduits specially built for that purpose. The casing / conduit pipe should, as minimum, extend from drain to drain in cuts and toe of slope to toe of slope in the fills and shall be designed in accordance with the provision of IRC and executed following the Specifications of the Ministry.

3.2 Existing drainage structures shall not be allowed to carry the lines across.

3.3 The utility services shall cross the National Highway preferably on a line normal to it or as nearly so as practicable.

3.4 The casing/conduit pipe may be installed under the road embankment either by boring or digging a trench. Installation by boring method shall be preferred.

3.5 In case of trenching, the sides of the trench should be done as nearly vertical as possible. The trench width should be at least 30 cm wider, (but not more than 60 cm wider), than the outer diameter of the utility pipe. Filling of the trench shall conform to the specifications contained here-in-below or as supplied by the Highway Authority.

3.5.1 Bedding shall be to a depth not less than 30 cm. It shall consist of granular material, free of lumps, clods and cobbles, and graded to yield a firm surface without sudden change in the bearing value. Unsuitable soil and rock edges should be excavated and replaced by selected material.

3.5.2 The backfill shall be completed in two stages (i) Side-fill to the level of the top of the pipe (ii) Overfill to the bottom of the road crust.

3.5.3 The side fill shall consist of granular material laid in 15 cm. Layers each consolidated by mechanical tamping and controlled addition of moisture to 95% of the modified Proctor's density. Overfill shall be compacted to the same density as the material that had been removed. Consolidation by saturation or ponding will not be permitted.

3.5.4 The road crust shall be built to the same strength as the existing crust on either side of the trench or to thickness and specifications stipulated by the Highway Authority.

3.6 When utilities are allowed overhead, the horizontal and vertical clearance in accordance with the IRC shall be maintained.

4. Procedure for processing application for granting permission for use of highway land: Any person who intends to obtain permission shall make an application online in the prescribed form to Highway Administration or an officer authorized by Highway Administration on his behalf. The application must mention details the various safety clearances from the respective authorities such as Directorate of Electricity, Chief Controller of Explosives, Petroleum and Explosives Safety Organization, Oil Industry Safety

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Directorate, State/Central Pollution Control Board and any other statutory clearances as applicable, which must be obtained by the Applicant before applying to the Highway Administration.

The application shall be put out in the public domain for 30 days for seeking claims and objections (on grounds of public inconvenience, safety and general public interest). The permission for laying utility services is to be normally granted within 30 days from the day of closure of public objections and claims. If no communication is received from the Highway Administration within 30 days from the day of closure of public objections and claims, the permission shall be deemed to be granted. The initial permission would be valid for a maximum of 5 years at a time, which can thereafter be considered for renewal. On payment of additional fee at the time of renewal, the permission shall automatically be renewed, unless defaults exist. In case of renewal, rate prevailing at the time of renewal shall be charged.

5. Charges for granting licence for use of highway land: For the purpose of license fee/lease rentals, the utilities have been divided into two categories; i) Public utilities and b) Industrial utilities as per the details given in Annexure I.

License Fee/lease rentals described below is for Industrial utilities. The license fee for Public utilities shall be 33% of the fee prescribed for Industrial utilities.

5.1 The following methodology shall be followed for license fees/lease rental determination for utility service lines other than localized infrastructure facilities like towers, repeaters and junction boxes).

License Fees (Rs/sq m/ month) = (Utilized NH land area X prevailing Circle Rate of land per unit area) / (10 x 12) where,

Utilized NH land area = Outer diameter/width of the concerned utility line X length

5.2 The following methodology shall be followed for license fees/lease rental determination for utility services such as towers/repeaters/ junction boxes etc.

License Fees (Rs/sq m/ month) = (Utilized NH land area X prevailing Circle Rate of land per unit area) / (10 x 12) where,

Utilized NH land area = Projection of utility on the ground including area of support system/tower

However, for public utilities, area below the support system/tower shall only be charged.

5.3 Fee shall have to be paid in advance for the period for which permission is granted. In case of renewal, rate prevailing at the time of renewal shall be charged. Delay in deposition of fee shall attract interest @ 15% per annum compounded annually.

5.4 A system to redress grievances and to consider relaxation from the guidelines, in exceptional cases, shall be notified separately and shall be effective from the date of notification.

6. All required restoration, maintenance work subsequent to laying of utility services shall be required to be undertaken by the Licensee at its cost either by itself or through its authorized representative in consultation with the Authority as per predetermined time schedule and quality standards. To process for the granting of permission and prior to signing of Lease agreement, a Performance Bank Guarantee for an amount based on per route metre with a validity of one year initially, in the prescribed format (extendable if required till satisfactory completion of work) shall have to be furnished by the utility service provider/ Licencee, as a security against improper restoration of ground in terms of

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For unsatisfactory compaction damages caused to other underground installations/utility services & interference, interruption, disruption or failure caused thereof to any services etc.:

Utility services such as pipes etc (rate in per m)

provided in the ducts already provided

Rs 50

<= 300 mm dia/width

Rs 100

> 300 mm dia/width but <=1000 mm

Rs 250

> 1000 mm

Rs 500

Utility services such as towers etc (rate in Rs per sq m)

Rs 100

In case the Licensee fails to discharge the obligation of making good of the excavated trench/other restoration work, the Authority shall have a right to make good the damages caused by excavation, at the cost of the Licensee and recover the amount by forfeiture of the Bank Guarantee. In case, the Performance Bank Guarantee is invoked as mentioned above, the Licensee shall be required to replenish and reinstate the required Performance Bank Guarantee within one month of such invoking.

Notwithstanding this, the Licensee shall be liable to pay full compensation to the aggrieved Authority/ its designated agency for any damage sustained by them by reason of the exercise of the RoW facility.

7. The Authority shall enter into a License Agreement with the respective utility service provider in the format enclosed (Appendix) including any other conditions imposed by Highway Administration, to ensure safe and uninterrupted flow of traffic. Post signing of the agreement, the utility service provider shall be designated as 'Licensee' for the purpose of this project and will be authorized to install and operate utility services within the NH RoW. However, utility services shall be made operational by the Licensee only after a completion certificate to the effect is issued by the Highway Administration.

Encls: As above.

Manoj Kumar

(Manoj Kumar)

Executive Engineer(NFSG) (S,R&T) (Roads)
For Director General (Road Development) & SS

Copy to:

1. All Technical Officers in the Ministry of Road Transport & Highways
2. All ROs and ELOs of the Ministry
3. The Secretary General, Indian Roads Congress
4. The Director, IAHE
5. Technical circular file of S&R (R) Section
6. NIC-for uploading on Ministry's website under "What's new"

Copy for kind information to:

7. PS to Hon'ble Minister (RTH&S)
8. PS to Hon'ble MOS (RTH&S)
9. Sr. PPS to Secretary (RT&H)
10. PPS to DG (RD) & SS
11. PPS to SS&FA
12. PS to ADG-I/ ADG-II
13. PS to JS (T)/ JS (H)/ JS (LA&C)/ JS (EIC)

Public Utility provider and Industrial infrastructure

A. Public Utility Provider

A **Public Utility Provider** in context of this Guideline shall mean any organization that provides and maintains the infrastructure for a public service like electricity, gas, water supply, telecom cables and sewage disposal subject to applicable regulation.

B. Eligible activities for Industrial Units or 'Industrial Infrastructure'

Industrial Infrastructure in context of this Guideline shall mean any physical infrastructure that is required to facilitate industrial operations and is constructed, operated and maintained along/across Right of Way of National Highways. Such infrastructure shall include the following:

- a. Underground & above ground pipelines including provisions for booster pumping facilities, maintenance bays and other required support infrastructure for transport of legally permitted materials for industrial usage by a business entity having valid license for industrial operations.
- b. Conveyor Belts including provisions for maintenance bays and other required support infrastructure for transport of legally permitted materials, by a business entity having valid license for industrial operations.
- c. Power cables/wires etc. meant for industrial usage by a business entity having valid license for industrial operations.
- d. Any other such associated industrial infrastructure facility.

Guidelines on Accommoda...s, circular dated 22.11.2016 PDF

Attachment (I)

Enclosure to Ministry of Road Transport & Highways letter No RVWHT-33044/
..29/2015) 14(202) dated 22-11-16.

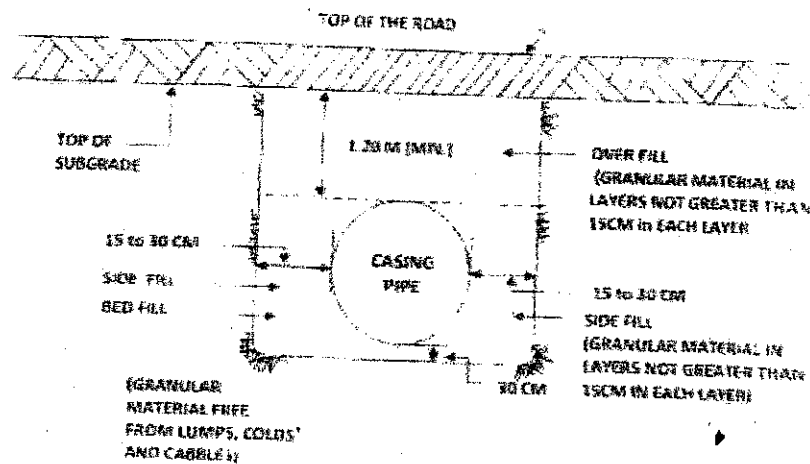


FIGURE-1 INSTALLATION OF CASING PIPE FOR CROSSING THE ROAD

AGREEMENT REGARDING GRANTING OF RIGHT OF
WAY
PERMISSIONS

FOR LAYING UTILITY SERVICES ON NATIONAL HIGHWAYS

Agreement to lay telephone cable/OFC cable /electrical cable/ pipeline /ducts etc. across the Proposed 8 Lane National Highway (DELHI-VADODARA EXPRESS WAY) at Chainage as in Table "A".

This agreement made this _____ day of _____ (month) _____ of (year) between the President of India acting in the executive capacity through national authority of India (Hereinafter referred to as the "Authority" which expression shall unless excluded by or repugnant to the context, Includes his successor of in office and assign) on one path and SSPIU (WRD), Shamgarh Dist.- Mandsuar M.P. (hereinafter called "licensee") which expression shall unless excluded by the repugnant to the context, includes is successor/administrator assignees on the second part. Whereas the authority is responsible, inter -alia for development and maintenance of lands in KM mentioned in table "A" of the Proposed 8 lane National Highway (DELHI-VADODARA EXPRESS WAY).

Where the licensee proposes to lay telephone cable/OFC cable /electrical cable/ pipeline /ducts etc. referred to as utility services in subsequent paras.

Whereas Licensee has applied to the Authority of permission to lay casing pipe for water & Electric service as per dia mentioned in table below, across the Proposed 8 lane National Highway (DELHI-VADODARA) at Chainage as in Table below.

TABLE "A"

Sr. No.	Finalized Location Chainage (After Joint Inspection)	Dia of Casing Pipe in Mtr.	NH Crossing Length in Mtr.	Utilized NH Land Area in SQM.	Utilized NH Land Area in HA.
1	42+669	1.00	100	100.0	0.0100
2	44+193	0.45	100	45.0	0.0045
3	47+456	0.60	100	60.0	0.0060
4	51+629	1.60	100	160.0	0.0160
5	55+850	1.80	100	180.0	0.0180
6	57+877	1.80	100	180.0	0.0180
7	57+877	2.00	100	200.0	0.0200
8	62+248	1.80	100	180.0	0.0180
9	65+200	0.90	100	90.0	0.0090
10	59+100	0.15	100	15.0	0.0015