



RW/BHP/MP/water pipeline (164)/2023-24/3003

Government of India

Ministry of Road Transport & Highways  
(Chief Engineer - Regional Office, Bhopal)

2<sup>nd</sup> Floor, Nirman Bhawan, Arera Hills, Bhopal-462011

PH: 0755-2551329, 0755-2571467, Email ID: ro.bpl-morth@gov.in

Date: 28.02.2024

**Invitation of Public Comments**

**Subject: Proposal for laying underground water pipeline on NH-543 from Ch. 10+165 to Ch. 56+932 i.e., Chhapari Silpuri to Andiya Mal (Halon Multi Village Scheme Mandla, M.P.) at different locations, Total section length applied for 36.912 kms & 09 crossings in the State of Madhya Pradesh- reg.**

CE(NH), MPPWD vide letter no. N.H-543/R/Halon Multi Village scheme/2024/108 dated 26.02.2024 forwarded therewith a proposal in this office for permission for laying underground water pipeline on NH-543 from Ch. 10+165 to Ch. 56+932 i.e., Chhapari Silpuri to Andiya Mal (Halon Multi Village Scheme Mandla, M.P.) at different locations in the State of Madhya Pradesh (Total section length applied for 36.912 kms & 09 crossings).

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 within 30 days beyond which no comments will be considered.

**The Highways Administration  
O/o RO Highways Administration  
Ministry of Road Transport & Highways  
IInd Floor, Nirman Bhawan, Bhopal-462011.  
Email: ro.bpl-morth@gov.in**

4. This issues with the approval of Highways Administration-cum Regional Officer, MoRT&H, Bhopal. (Computer no. – 235468)

(Shubham Kaushal)  
Assistant Executive Engineer  
For RO, MoRT&H, Bhopal

**Copy to:**

1. The Senior Technical Director, NIC, Transport Bhawan, New Delhi-110001 for uploading on Ministry's Website.
2. The CE(NH), MPPWD, Bhopal-for information.
3. The EE, NH, MPPWD, Jabalpur -for information and requested to furnish the recommendation in view of Ministry's circular No. RW/NH-33044/29/2015/S&R (R) dated 22.11.2016 along with verified fees viz. license fee etc. as per circular and their detailed calculations



4. The GM, MP Jal Nigam Maryaditr PIU, Mandla - for information with requested to submit the proposal in view of Ministry's circular no. RW/NH-33044/29/2015/S&R (R) dated 22.11.2016 and submit the license fee through online portal NTRP and BG for restoration charges along with detailed calculation of license fee, restoration charges etc. Receipt of online licences fee deposition should to be submitted to this office through EE, NH, MPPWD, Jabalpur. BG should be in favour of MPPWD (as per prevailing procedure in MPPWD) and to be submitted to EE, NH, MPPWD, Jabalpur.





कार्यालय मुख्य अभियंता,  
OFFICE OF THE CHIEF ENGINEER  
राष्ट्रीय राजमार्ग परिक्षेत्र, लोक निर्माण विभाग  
NATIONAL HIGHWAY ZONE M. P. PUBLIC WORK DEPARTMENT  
"निर्माण भवन" प्लॉट नं. 27-28 अरेरा हिल्स, भोपाल म.प्र.  
NIRMAN BHAWAN 2<sup>nd</sup> FLOOR, BHOPAL M.P.

Email : cepwdnhzonempbhopal@gmail.com ,

Phone/ Fax -0755 -2551570

Memo no. N.H-543/R/Halon Multi village Scheme/2024

Bhopal, Date

26/02/2024

To,

The Chief Engineer-Regional officer  
Ministry of Road Transport & Highway  
Nirman Bhawan, Bhopal

108  
AEE-2  
GNT  
26/2/24



Sub :- Proposal for laying underground water pipeline on NH-543 Chhaprai Silpuri to Andiya Mal road from km. 10+62 to 56+932 Total section length ROW applied for 26 kms. Halon Multi village Scheme Mandla, MP at Different location.

Ref :- EE, PWD, NH Division Jabalpur memo no. 514/T Dated 15.02.2024.

Please refer to the memo cited under reference EE, PWD, NH Division Jabalpur vide their memo dated 15.02.2024 has submitted the reply of observation raised in letter dated 12.06.2023 regarding Proposal for laying underground water pipeline on NH-543 Chhaprai Silpuri to Andiya Mal road from km. 10+62 to 56+932 Total section length ROW applied for 26 kms. Halon Multi village Scheme Mandla, MP at Different location alongwith necessary documents.

Bank Guarantee of Rs. 81,71,400/- (Bank Guarantee no. 240375IBGP00021 dated 18.01.2024, valid upto 31.12.2024 {HDBI Bank Limited} is also deposited in favour of Executive Engineer, PWD NH Division Jabalpur and license / lease rent of Rs. 56,371/- deposited on NTRP Portal on dated 03.01.2024 (Bharatkosh. Gov. in by Ref. no. 0301240011444).

In view of above, you are requested to accord the permission of aforesaid work.

Encl: As above

Approved by Chief Engineer (NHs)

28/2/2024  
SUPERINTENDING ENGINEER  
OFFICE OF THE CHIEF ENGINEER  
NATIONAL HIGHWAY ZONE  
M.P.P.W.D BHOPAL

Endt. No. N.H-543/R/Halon Multi village Scheme/2024

Bhopal, Date

26/02/2024

Copy is forwarded to,

1. The Executive Engineer, NH PWD Division Jabalpur for information.

Sal  
SUPERINTENDING ENGINEER  
OFFICE OF THE CHIEF ENGINEER  
NATIONAL HIGHWAY ZONE  
M.P.P.W.D BHOPAL





OFFICE OF THE EXECUTIVE ENGINEER  
P.W.D. NATIONAL HIGHWAY DIVISION JABALPUR (M.P)  
eepwdnhjabalpur@gmail.com Ph.No.0761-2620990



Memo.No. 514.../T

Dated. 15/02/2024

To,

Chief Engineer,  
P.W.D.N.H.Zone,  
Nirman Bhawan Bhopal.

Sub : Proposal for laying underground pipe line across to National Highway -543 at chainage 10+165 to 56+932 km. i.e. from Chhapari Silpuri to Andiya Mal(Halon Multi Village Scheme Mandla(M.P) at Differnet Location.

Ref: R.O-MORTH Bhopal memo.no.RW/BHP/MP/Water Pipe line(162)2023-24)24379 dt.12.06.23

With reference to above, the reply of observations raised in R.O-MORTH Bhopal memo under reference is as under :

1. Methodolgy of execution and details of proposed laying is enclosed herewith duly verified by the undersigned.
  2. Undertakings from applicant is enclosed herewith.
  3. Calculation sheet of license fees and BG is enclosed herewith duly verified by the undersigned.
  4. Agrrement and undertakings from applicant have mentioned the no of crossings with their chainages.
  5. Certified that crossing of pipeline will not affect the ongoing widening to 2L+PS works sanctioned by Ministry in the above stretch.
  6. It is confirmed that crossing is as per HDD.
  7. License fee calculations are done as per latest circular dated 24.04.2023 & balance amout of Rs.56371.00 has been deposited in NTRP Portal vide receipt no. 0301240011444 dated. 03.01.2024
  8. ROW is shown in the attached drawings.
  9. Copy of performance Bank guarantee & Confirmation letter of performance Bank guarantee has enclosed.
- Hence the proposal for right of way permission is recommended for approval and submitted in 3 sets with all attachments for favour of approval please.

- Encl: 1. Letter under reference with Drawing  
2. Original Agreement  
3. Copy of deposition of licence fee/Lease rent  
4. Copy of performance Bank guarantee  
5. Confirmation letter of performance Bank guarantee

0.

Endt.No. 515.../T

Copy forwarded to the :

1. Genral Manger, PIU,Jal Nigam Maryadit, Mandla(E mail,gmmandla.mpjalnigam@mp.gov.in with reference to his memo cited above for information.
2. A.E.NH.543 Mandla PWD NH Dn Jablapur for information.
3. Team Leader M/S Infra Tech,Civil Solutions , Consultant,Mandla for information.
4. R.O.MoRTH 2<sup>nd</sup> Floor Nirman Bhawan,Bhopal for information please.

Executive Engineer . 15/2/24  
P.W.D.N.H. Division Jabalpur

Dated. 15/02/2024

Ee 672

Executive Engineer . 15/2/24  
P.W.D.N.H. Division Jabalpur

T  
off  
21/2/24  
RNO  
509  
21/2/24



कार्यालय महाप्रबंधक  
मध्यप्रदेश जल निगम मर्यादित

(म.प्र. शासन का उपक्रम)

परियोजना क्रियान्वयन ईकाई, मण्डला

रजि. कार्यालय : 8, अरेरा हिल्स जेल रोड, भोपाल

(Website: www.mpjalnigam.co.in)

CIN&U41000MP2012SGC028798

e-mail: gmpmndla@jalnigam.mp.gov.in

क्रमांक 27 / महा.प्रबं. / म.ज.नि.मर्या. / परि.क्रि.ई. 2024

मण्डला, दिनांक 4/1/2024

प्रति,

✓ कार्यपालन यंत्री,  
लोक निर्माण विभाग,  
राष्ट्रीय राज्यमार्ग संभाग, जबलपुर,

विषय :- हालोन ग्रामीण समूह जल प्रदान योजना के अन्तर्गत पाईप लाईन एवं रोड क्रॉसिंग की अनुमति  
बावद।

संदर्भ :- 1.आपका पत्र क्रं. 3601, दिनांक 13.12.2023।

2.मेसर्स कल्पतरु का पत्र क्रं. 346 दिनांक 04.01.2024।

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उपरोक्त विषय एवं संदर्भित पत्र क्रं. 1 में आपके द्वारा चाही गई लायसेंस फीस (लीज रेंट) 5 वर्षों की  
वैधता में रु. 36371.00 की राशि ऑनलाईन बैंकिंग NTRP के माध्यम से जमा कर दी गई है एवं ई-चालान की  
कोपी संलग्न कर आपके कार्यालय की ओर अग्रिम कार्यवाही हेतु प्रेषित है।

संलग्न :- ई.-चालान

✓

महाप्रबंधक

म.प्र. जल निगम मर्यादित  
परि.क्रिया.ई. मण्डला

क्रमांक / महा.प्रबं. / म.ज.नि.मर्या. / परि.क्रि.ई. / 2024

मण्डला, दिनांक

प्रतिलिपि :- 1.परियोजना निदेशक म.प्र. जल निगम मर्यादित भोपाल की ओर सूचनार्थ प्रेषित।

2.टीम लीडर मेसर्स इन्ट्राटेक सिविल सॉल्यूशन एवं कंसल्टेंट, मण्डला की ओर सूचनार्थ प्रेषित।

7/5  
7/5  
5/1/24



महाप्रबंधक

म.प्र. जल निगम मर्यादित  
परि.क्रिया.ई. मण्डला



Office No. 27, Opp. Govt. Girls School, Maharajpur, Mandla, Madhya Pradesh - 481605  
Email: info@kalpatarupower.com | Website: www.kalpatarupower.com

Letter No. KPIU/WE/MHMR/346

Date: 01/01/2024

To,  
General Manager,  
M.P. Jal Nigam, Mandla,  
Project Implementation Unit,  
Mandla, MP-482001

Project: Engineering, Procurement, Construction, Testing, Commissioning, Trial Run and Operation & Maintenance of Various Components of Halon Multi-Village Scheme, District Mandla in Single Package on 'Turn-Key Job Basis' including Trial Run and Operation & Maintenance of the Entire Water Supply Scheme for 10 Years.

Subject: Submission of Licence Fees for Permission of Pipe Laying work along & across NH-543 Road.

Ref:

- 1) LOA No. 8446 661 Proc. MPJNM 2022-23 Bhopal, dated 08.08.2022
- 2) Contract agreement No.28 2022-23 dated 26.08.2022.
- 3) Your Office Letter No. 796 GM MPJNM PIU-2023 dated 14.12.2023

Dear Sir,

With reference to the above-cited subject & reference letter at Sl no (3), we would like to inform you that we had paid the Licence Fees of getting the Permission for Pipe Laying along & across National Highway NH-543 Road via Online on Bharatkosh.gov.in portal as instructed by PWD, NH Authority Jabalpur, the details of Fee submission are furnished below-

Sr. No	Applicant Name	Transaction Ref. no.	License Fees Amount	Date of Submission
1	Kalpataru Projects International Ltd	0301240011444	Rs.56371.00/-	03.01.2024

This is for your information and further needful action please also please note that the Bank Guarantee is under processing and will be submitted within short time.

Thank you and ensuring for the best services all the time.

Yours Faithfully,

For KALPATARU PROJECTS INTERNATIONAL LIMITED,

Sandeep Kumar Singh,apu,  
Project Manager,  
Halon MVS Project, Mandla

Encl: Receipt Slip of Fee Submission

CC:1. M/s. Intratech Civil Solutions & Consultants (SQC), Mandla for information & necessary action.





**bharatkosh.gov.in**

Government of India Receipt Portal

**RECEIPT**

Transaction Ref.No. 0301240011444

Dated: Jan 3 2024 5:22PM

Received from M/S. KALPATARU PROJECTS INTERNATIONAL LTD MP JAL  
NIGAM MARYADIT with Transaction Ref.No. 0301240011444

Dated Jan 3 2024 5:22PM the sum of INR 56371 (Fifty-Six Thousand Three  
Hundred Seventy-One Only) through Internet based Online payment in the  
account of

Processing fee for permission to access to NH<sub>1</sub>, LICENCE FEE FOR ROW  
CLEARANCE.

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

Printed On: 04-01-2024 10:15:16

Courtesy: Controller General of Accounts







CIN: I65190MI2004G01148838

Ref No. IDBI/TF/CSC/2623 24/304/0491

Date: 22-01-2024

To,  
THE EXECUTIVE ENGINEER  
P&H DIVISION  
KALPATARU,  
PIN 6261 2620990.

Sub: Confirmation of Issuance/Amendment of Bank Guarantee issued by us.  
Ref: Your letter no. 2877/2024  
dated 25-01-2024

Dear Sir/ Madam,

With reference to your captioned letter, we confirm that as per our records following Bank Guarantee has been issued/amended by us.

Guarantee no.	(2401)P10G000021
Date of Issue	16-01-2024
Amount (INR)	₹171400.00
Amount in Words (INR)	Eighty One Lakh Seventy One Thousand Four Hundred Only
Expiry date	31-12-2024
Claim Exp date	31-12-2025
Branch Name	KALPATARU-SCB
Applicant	KALPATARU PROJECTS INTERNATIONAL LIMITED
Beneficiary	THE EXECUTIVE ENGINEER, P&H DIVISION

Kindly acknowledge receipt of the same.

Yours faithfully,

Authorized Signatory  
(Grade Finance Department)

SAC

Use  
SAR  
20/1



आईडीबीआई बैंक लिमिटेड: (केंद्राध्यक्ष निदेशक निदेश, आईडीबीआई कॉरपोरेशन, वरत मॉडल, प्लॉट नं. 30/40/41, सेक्टर 11, सीपीडी बेरापुर, नवी मुंबई - 400 614, संपर्क 022-06700537  
IDBI Bank Ltd.: Centralised Swift Cell, IDBI Building, Ground Floor, Plot No. 30/40/41, Sector - 11, CPD-Berapur, Navi Mumbai - 400 614, Contact: 022-06700537  
आईडीबीआई बँकेचे, केंद्राध्यक्ष निदेशक निदेश, नवी मुंबई - 400 005 वावेली: www.idbibank.in  
IDBI Tower, WTC Complex, Cuffe Parade, Mumbai - 400 005 Website: www.idbibank.in





Branch OFF C. G. ROAD, I D B LAL BANGLOW, AHMEDABAD AHMEDABAD-SCBC 380606

To  
THE EXECUTIVE ENGINEER  
PWD N.H. DIVISION  
JABALPUR  
MADHYAPRADESH  
INDIA

Dear Sir/Madam,

Bank Guarantee No: 240375IBGP00021  
Amount INR 8171400.00  
Guarantee Cover Date 30-12-2024 to 31-12-2025  
Last date for claim 31-12-2025  
This deed is executed by IDBI Bank Ltd., a company constituted under the Companies Act 1956 and deemed to be a banking company under the Banking Regulation Act, 1949, having its Registered Office and Head Office at IDBI Tower, WTC Complex, Cuffe Parade, Mumbai 400005, and among other places a branch at OFF C. G. ROAD, I D B LAL BANGLOW, AHMEDABAD AHMEDABAD-SCBC 380606 (hereinafter referred to as "the Bank") in favour of THE EXECUTIVE ENGINEER, PWD N.H. DIVISION, JABALPUR, MADHYAPRADESH INDIA

hereinafter referred to as "the Beneficiary" for an amount not exceeding INR 8171400.00 (INR Eighty One Lakh Seventy One Thousand Four Hundred only) at the request of KALPATARU PROJECTS INTERNATIONAL LIMITED (hereinafter referred to as "the Contractor"). This Guarantee is issued subject to the condition that the liability of the bank under this Guarantee is limited to maximum of INR 8171400.00 (INR Eighty One Lakh Seventy One Thousand Four Hundred only) and the Guarantee shall be in full force up to 31-12-2025 (expiry date) and can not be invoked otherwise than by a written demand under this Guarantee served on the Bank on or before the 31-12-2025 (last claim date). The beneficiary in its own interest is advised to seek a confirmation of the issuance of this Guarantee from the controlling office/Head Office. Bank Guarantee confirmation may be obtained online or through post, as under:

- a) Login to <https://bgcon.idbikbank.co.in> in (faster mode) or, alternatively  
b) By sending letter over post to the below address:

IDBI Bank Limited,  
Centralised Swift Cell,  
IDBI Building, Plot No. 38-41, Ground Floor  
Sector 11, CBD Belapur,  
Navi Mumbai Pin: 400614

This Guarantee consists of 4 pages including this page.

Authorised Signatory

Authorised Signatory

चंदन मिश्रा / CHANDAN MISHRA  
महानगर विकास / ASSISTANT GENERAL MANAGER  
विकासी कृ. म. - 111591 / EIN - 111719

ANURAG PRAKASH  
"ASSISTANT GENERAL MANAGER"  
CENTRE HEAD  
TRADE FINANCE-AHMEDABAD  
EIN : 114627  
IDBI BANK LIMITED



Bank Guarantee No: 240J75IBGP00071

B.G Issue Date: 18-01-2024

principal, certify that the terms and conditions of the said agreement have been fully and properly carried out by the said contractor and accordingly discharges this guarantee or until date 31-12-2024(BG Expiry date). Whichever is earlier, We shall be discharged from our liabilities under this guarantee thereafter.

5. The Guarantee will not be discharged due to the change in the constitution of the bank or of the contractor.
6. We, IDBI Bank Ltd, lastly undertakes not to revoke this guarantee during its currency except with previous consent of the principal in writing.
7. This Bank Guarantee is valid till Dt. 31-12-2024 (BG Expiry date)
8. Notwithstanding anything contained to the contrary contained herein:
  - i. Our Liability under this Bank guarantee shall not exceed Rs.81,71,400/- (Rupees Eighty one Lakhs seventy one thousand and four Hundred only)
  - ii. The Bank Guarantee shall be valid up to Dt. 31-12-2024 (BG Expiry date)
  - iii. We are liable to pay up to the guarantee amount only and only if we receive from you a written claim or demand not later than 31-12-2025, at our Branch, IDBI Bank Ltd Trade Finance Dept., Off. C.G. Road, Lal bungalow, Ahmedabad, Gujarat 382006. All your rights as well as our liability under this bank guarantee shall stand extinguished unless a written claim or demand is made under this guarantee not later than 31-12-2025.

The beneficiary in its own interest is advised to seek a confirmation of the issuance of this Guarantee from the controlling office/Head Office (address mentioned below) enclosing a copy of the BG.

Controlling office/Head Office address:

Centralized Swift Cell, IDBI BANK LTD, IDBI BUILDING, PLOT NO 39-41, GROUND FLOOR, SECTOR 11, CBD BELAPUR, NAVI MUMBAI, PIN: 400614, EMAIL ID: bgcon.tfho@idbi.co.in, Contact No- 022-66700537

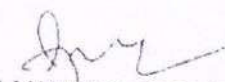
You may also log into webpages <https://bgcon.idbibank.co.in> for BG Confirmation

Place: Ahmedabad

Date: 18-01-2024



ANURAG PRAKASH  
ASSISTANT GENERAL MANAGER  
EIN: 114627



ANURAG PRAKASH  
"ASSISTANT GENERAL MANAGER"  
CENTRE HEAD  
TRADE FINANCE-AHMEDABAD  
EIN : 114627  
IDBI BANK LIMITED





कार्यालय : कार्यपालन यंत्री, लोक निर्माण विभाग  
राष्ट्रीय राजमार्ग संभाग, जबलपुर



ज्ञा.कं. 3601/तक.

दिनांक 13/12/2023

प्रति

महाप्रबंधक

म.प्र.जल निगम मर्यादित परि. किया.ई. मण्डला

E-mail:-gmmandla.mpjalnigam@mp.gov.in

विषय:- हालोन ग्रामीण समूह जल प्रदाय योजना के अंतर्गत पाइप लाइन एवं रोड कांसिंग की अनुमति बसवत-जल जीवन मिशन

संदर्भ:- आपका पत्र क्रमांक 18/महा. प्रबं./म.प्र.ज.नि.मर्या./परि.कि.ई./2023 मण्डला दिनांक 25.07.2023

(Phone No. ....)

**MORT&H Circular:-NH-36094/01/2022-S&R(P&B) dated 17.04.2023**

संदर्भित पत्र के तारतम्य में लेख है कि आपकी संस्था द्वारा उपरोक्त मार्ग में भूमिगत पाइप लाइन बिछाने की अनुमति चाही है। एम.ओ.आर.टी. एंड एच. के पत्र क्रमांक NH-36094/01/2022-S&R(P&B) dated 17.04.2023 की कंडिका 5.2 के अनुसार रा.रा. की भूमि का उपयोग करने हेतु लाइसेंस फीस/लीज रेंट तथा कंडिका 6 के अनुसार निर्धारित दर से परफारमेन्स बैंक गारन्टी अग्रिम जमा करने का कष्ट करें।

क्रमांक	विवरण	राशि
1	लाइसेंस फीस/लीज रेंट (उक्त कि.मी. हेतु) 5 वर्षों के लिए (Through On-Line by NTRP)	56371.00
2	परफारमेन्स बैंक गारन्टी (In favour of Executive Engineer, PWD N.H. Division, Jabalpur )	8171400.00

सहपत्र:- 2

पृ.कं. .... /तक.

प्रतिलिपि:- जिलाध्यक्ष, मंडला जिला मंडला की ओर सूचनार्थ सम्प्रेषित।

दिनांक .....

कार्यपालन यंत्री 13/12/23  
लोक निर्माण विभाग रा.रा.  
संभाग जबलपुर

कार्यपालन यंत्री  
लोक निर्माण विभाग रा.रा.  
संभाग जबलपुर



# Calculation of License Fees

Utilised NH Land Area = Outer Diameter / Width of the Concerned utility line X Length

Width of the concerned utility line = 150 mm (04 Nos of 150 mm diameter HDD underground method)

Depth = 1.2 m x 0.3

Subject :- NOC for Laying of pipeline across to National Highway-543 at Chainage 10+165 to 56+932 Km i.e. from Chhapari Silpuri to Andiya Mal (Halon Multi Village Scheme Mandla (M.P.) at Different Locations as per list given below:-

Ref. :- G.M. P.I.U., Jal Nigam Maryadit, Mandla memo no. 18/GM/M.P.I.N.Mar./PIU/2023 dated 27.07.2023 (email:gmmandla.mpinigam@mp.gov.in)

Calculation of Utilized land Area (Village wise)															Calculation of Utilized NH Land Area X Prevailing Circle Rate of Land per	
Sl. No.	Name of Village	Crossing From	Crossing To	Latitude	Longitude	From Chainage	To Chainage	Inner diameter	Width/Outer Dia (m)	Approx. Prop. Length/ROW (Metres)	Utilized NH Land Area (Outer Diameter/Width of the concerned utility line x Length) (Sq.M)	Side	Agriculture Land Plot Agriculture (Rate per Hect.)	Area (Sq.m)	Prevailing circle rate of land per unit area (Rs./ Sqm)	Utilized NH Land Area x Prevailing Circle Rate of Land per unit area) x 1.5%
	A								B	C	D (=CxB)		E	F	G (=E/F)	H = D x G x 1.5%
1/707/P-109	Chapari Silpuri to Patparamal					10165	10620	0.100	0.118	455.00	53.690	RHS	248000	10000	24.80	19.97
2/707/P-109	Chapari Silpuri to Patparamal					10620	15215	0.150	0.170	4595.00	781.150	RHS	248000	10000	24.80	290.59
3/729/P-112	Pondi Ryt. To Ma. Jar					25070	27424	0.250	0.274	2354.00	644.996	LHS	324000	10000	32.40	313.47
4/740/P-114	Manot Jar					27424	28389	0.350	0.378	965.00	364.770	LHS	272000	10000	27.20	148.83
5/740/P-114	Manot Jar					28389	29183	0.350	0.378	794.00	300.132	LHS	272000	10000	27.20	122.45
6/740/P-114	Manot Jar to Baniyara					29183	34334	0.350	0.378	5151.00	1947.078	LHS	272000	10000	27.20	794.41
7/372/P-57	Baniyara					34334	35064	0.350	0.378	730.00	275.940	LHS	239200	10000	23.92	99.01
8/491/P-75	Mohgaon					35064	40377	0.400	0.429	5313.00	2279.277	LHS	532000	10000	53.20	1818.86
9/491/P-75	Mohgaon to Adiyadar					40377	42733	0.350	0.378	2356.00	890.568	LHS	532000	10000	53.20	710.67
10/491/P-75	Mohgaon to Adiyadar					42733	44311	0.300	0.326	1578.00	514.428	LHS	532000	10000	53.20	410.51
11/339/P-52	Khalhe Githauri					44311	47463	0.300	0.326	3152.00	1027.552	LHS	190000	10000	19.00	292.85
12/348/P-54	Khalhe Githauri-Khairi Mal					47463	50027	0.300	0.326	2564.00	835.864	LHS	167200	10000	16.72	209.63
13/348/P-54	Khairi Mal to Khairi Ryt.					50027	51896	0.300	0.326	1869.00	609.294	LHS	301000	10000	30.10	275.10
14/343/P-53	Khairi Ryt-Bagli					51896	53028	0.300	0.326	1132.00	369.032	LHS	167200	10000	16.72	92.55
15/344/P-53	Chabi					53028	53712	0.250	0.274	684.00	187.416	LHS	447000	10000	44.70	125.66
16/346/P-53	Andiya Mal					53712	56932	0.250	0.170	3220.00	547.400	LHS	180000	10000	18.00	147.80
	Crossings								Total	36912.000	11628.587					0.00
1/710/P-110	Patpara Mal	A	B	22.605926	80.463392	10620		0.15	0.170	45	7.650		224800	10000	22.48	2.58
2/707/P-109	Chhapri Silpuri	C	D	22.635331	80.480911	15185		0.15	0.170	45	7.650		224800	10000	22.48	2.58
3/727/P-112	Ling Chauraha	E	F	22.72901	80.503228	27424		0.1	0.118	45	5.310		344000	10000	34.40	2.74
4/740/P-114	Manot Jar	G	H	22.734178	80.510468	28389		0.1	0.118	45	5.310		272000	10000	27.20	2.17
5/375/P-58	Deogaon	I	J	22.740401	80.522285	29870		0.1	0.118	45	5.310		229600	10000	22.96	1.83
6/373/P-57	Raigaon Jar	K	L	22.747225	80.56291	34334		0.1	0.118	45	5.310		264000	10000	26.40	2.10
7/491/P-75	Mohgaon	M	N	22.774814	80.60553	40377		0.4	0.429	45	19.305		532000	10000	53.20	15.41
8/491/P-75	Chabi	O	P	22.828854	80.702646	53172		0.25	0.274	45	12.330		532000	10000	53.20	9.84
9/346/P-53	Andiya Mal	Q	R	22.846826	80.725605	56932		0.15	0.170	45	7.650		180000	10000	18.00	2.07
	NOC for Laying of pipeline across to National Highway-543 at Chainage 10+165 to 56+932 Km i.e. from Chhapari Silpuri to Andiya Mal (Halon Multi Village Scheme Mandla (M.P.) at Different Locations									37317.000	11704.412					5913.68
															Minimum	10000

License Fees (Rs/Sq.M./Month) = (Utilized Land Area X Prevailing Circle Rate of land per unit area)/(10x12)

1st Yr	License Fees for	1 Year	=	10000.00
2nd Yr	License Fees for	2 Year 6% increment	=	10600.00
3rd Yr	License Fees for	3 Year 6% increment	=	11236.00
4th Yr	License Fees for	4 Year 6% increment	=	11910.00
5th Yr	License Fees for	5 Year 6% increment	=	12625.00
	License Fees for	All 5 Years Total	=	56371.00

Amount to be paid For License Fees through On-Line by NTRP

56371.00

Sub Engineer

Assistant Engineer

NH-543, Mandla, P.W.D. N.H. Division  
Jabalpur

Executive Engineer

P.W.D. N.H. Division  
Jabalpur



**Calculation of Performance Bank Guarantee for one year**  
**Ref:- MORT&H No. RW/NH-33044/29/2015/S&R dt. 22.11.2016 (Utility Services)**

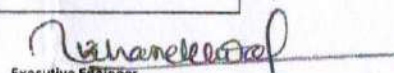
	Utility services such as pipes etc. (rate in per m)			50	
	<=300 mm dia /width			100	
	>300 mm dia/width but <=1000 mm			250	
	>1000 mm			500	
	Utility services such as towers etc (rate in Rs. Per sqm)			100	
<b>Subject:-</b>	<b>NOC for Laying of pipeline across to National Highway-543 at Chainage 10+165 to 56+932 Km i.e. from Chhapari Silpuri to Andiya Mal (Halon Multi Village Scheme Mandla (M.P.) at Different Locations as per list given below:-</b>				
<b>Ref:-</b>	<b>G.M. P.I.U., Jal Nigam Ma'ryadit, Mandla memo no. 18/GM/M.P.J.N.Mar./PIU/2023 dated 27.07.2023 (email:gmmandla.mp@nigam.inp.gov.in)</b>				

**Distance & Performance Calculation**

S.No.	Village	Outer Dia (m)	Approx. Prop. Length/Width/ Area (Metres/per sqm)	Rate	Amount
1	Chapari Silpuri to Patparamal	0.118	455.00	100	45500.00
2	Chapari Silpuri to Patparamal	0.170	4595.00	100	459500.00
3	Pondi Ryt. To Manot Jar	0.274	2354.00	100	235400.00
4	Manot Jar	0.378	965.00	250	241250.00
5	Manot Jar	0.378	794.00	250	198500.00
6	Manot Jar to BaniyaTara	0.378	5151.00	250	1287750.00
7	Baniyatara	0.378	730.00	250	182500.00
8	Mohgaon	0.429	5313.00	250	1328250.00
9	Mohgaon to Adiyadar	0.378	2356.00	250	589000.00
10	Mohgaon to Adiyadar	0.326	1578.00	250	394500.00
11	Khaihe Githauri	0.326	3132.00	250	788000.00
12	Khaihe Githauri-Khairi Mal	0.326	2564.00	250	641000.00
13	Khairi Mal to Khairi Ryt.	0.326	1869.00	250	467250.00
14	Khairi Ryt-Bagli	0.326	1132.00	250	283000.00
15	Chabi	0.274	684.00	250	171000.00
16	Andiya Mal	0.170	3220.00	250	805000.00
	<b>Crossings</b>		<b>36912.00</b>		
1	Patpara Mal	0.170	45.00	100	4500.00
2	Chappri Silpuri	0.170	45.00	100	4500.00
3	Ung Chouraha	0.118	45.00	100	4500.00
4	Manot Jar	0.118	45.00	100	4500.00
5	Deogaon	0.118	45.00	100	4500.00
6	Ralgaon Jar	0.118	45.00	100	4500.00
7	Mohgaon	0.429	45.00	250	11250.00
8	Chabi	0.274	45.00	250	11250.00
9	Andiya Mal	0.170	45.00	100	4500.00
	<b>NOC for Laying of pipeline across to National Highway-543 at Chainage 10+165 to 56+932 Km i.e. from Chhapari Silpuri to Andiya Mal (Halon Multi Village Scheme Mandla (M.P.) at Different Locations</b>				<b>8171400.00</b>
	<b>Performance Bank Guarantee for Above Length In favour of Executive Engineer, PWD NH Division Jabalpur</b>			<b>Rs.</b>	<b>8171400.00</b>

  
Sub Engr.

  
Assistant Engineer  
NH-543, Mandla, P.W.D. N.H. Division  
Jabalpur

  
Executive Engineer  
P.W.D. N.H. Division  
Jabalpur



**कार्यालय महाप्रबंधक**  
**मध्यप्रदेश जल निगम मर्यादित**

(म.प्र. शासन का उपक्रम)

**परियोजना क्रियान्वयन ईकाई, मण्डला**

रजि. कार्यालय : 8, अरेरा हिल्स जेल रोड, भोपाल

(Website: www.mpjalnigam.co. in)

CIN&U41000MP2012SGC028798

e-mail-gmmandla.jalnigam@mp.gov.in)

क्रमांक 696/महां.प्रबं./म.ज.नि.मर्या./परि.क्रि.ई./2023

मण्डला, दिनांक 6/12/2023

प्रति,

कार्यपालन यंत्री,  
लोक निर्माण विभाग,  
राष्ट्रीय राज्यमार्ग संभाग जबलपुर


विषय : हालोन ग्रामीण समूह जल प्रदाय योजना के अन्तर्गत पाईप लाईन एवं रोड क्रॉसिंग की अनुमति बावद -  
जल जीवन मिशन।

- संदर्भ :-
1. इस कार्यालय का पत्र क्रं./287/महां.प्रबं./म.ज.नि.मर्या./परि.क्रि.ई./2023 मण्डला, दिनांक 07.10.2023।
  2. इस कार्यालय का पत्र क्रं./18/महां.प्रबं./म.ज.नि.मर्या./परि.क्रि.ई./2023 मण्डला, दिनांक 25.07.2023।
  3. मेसर्स कल्पतरु प्रो. इंटरनेशनल लि. मण्डला, पत्र क्रं. 316 दिनांक 05.12.2023

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उपरोक्त विषय में लेख है कि म.प्र. जल निगम द्वारा जल जीवन मिशन के अंतर्गत मण्डला जिले के 445 ग्रामों को पेय जल प्रदाय हेतु हालोन ग्रामीण समूह जल प्रदाय योजना का क्रियान्वयन किया जा रहा है। योजना अंतर्गत NH-543 मार्ग पर पाईप लाईन बिछाने एवं क्रॉसिंग हेतु ऑनलाइन आवेदन क्रं. 20230421/1/5/19119/2650 (New) दिनांक 21.04.2023 को कर दिया गया था, परन्तु ऑनलाइन में विलम्ब हो रहा था। इस कारण से प्रकरण को संदर्भित पत्र क्रं.02 के द्वारा आपके कार्यालय में ऑफलाइन प्रस्तुत किया गया था। संदर्भित पत्र क्रं.01 के द्वारा इस कार्यालय से अनुमति हेतु पुनः लेख लिखा गया था, परन्तु आज दिनांक तक अनुमति की अग्रिम कार्यवाही हेतु कोई भी पत्र प्राप्त नहीं हुआ है।

अतः आपसे पुनः अनुरोध है कि सड़क के समानांतर पाईप लाईन बिछाने एवं क्रॉसिंग की शीघ्र अनुमति प्रदान करने का कष्ट करें।


  
महाप्रबंधक  
म.प्र. जल निगम मर्यादित  
परि.क्रिया.ई. मण्डला

क्रमांक /महां.प्रबं./म.ज.नि.मर्या./परि.क्रि.ई./2023

मण्डला, दिनांक

प्रतिलिपि :-

1. परियोजना निदेशक म.प्र. जल निगम मर्यादित भोपाल की ओर सूचनार्थ प्रेषित।

  
महाप्रबंधक  
म.प्र. जल निगम मर्यादित  
परि.क्रिया.ई. मण्डला



**कार्यालय महाप्रबंधक**  
**मध्यप्रदेश जल निगम मर्यादित**  
(म.प्र. शासन का उपक्रम)

**परियोजना क्रियान्वयन ईकाई, मण्डला**

रजि. कार्यालय : 8, अरेश हिल्स जेल रोड, भोपाल

CIN&U41000MP2012SGC028798

(Website: [www.mpjalnigam.co.in](http://www.mpjalnigam.co.in))

e-mail: [emmandla.jalnigam@mp.gov.in](mailto:emmandla.jalnigam@mp.gov.in)

क्रमांक 267/महा.प्रब./म.ज.नि.मर्या./परि.क्रि.ई./2023

मण्डला, दिनांक 07/10/2023

प्रति,

✓ कार्यपालन यंत्री,  
लोक निर्माण विभाग,  
राष्ट्रीय राजमार्ग संभाग जबलपुर,

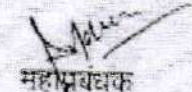
विषय : हालोन ग्रामीण समूह जल प्रदाय योजना के अन्तर्गत पाईप लाईन एवं रोड क्रॉसिंग की अनुमति बावद - जल जीवन मिशन।

संदर्भ :- 1. इस कार्यालय का पत्र क्र./18/महा.प्रब./म.ज.नि.मर्या./परि.क्रि.ई./2023 मण्डला, दिनांक 25.07.2023।

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उपरोक्त विषय में लेख है कि म.प्र. जल निगम द्वारा जल जीवन मिशन के अंतर्गत मण्डला जिले के 445 ग्रामों को पेय जल प्रदाय हेतु हालोन ग्रामीण समूह जल प्रदाय योजना का क्रियान्वयन किया जा रहा है। योजना अंतर्गत NH-543 मार्ग पर पाईप लाईन बिछाने एवं क्रॉसिंग हेतु ऑनलाइन आवेदन क्र. 20230421/1/5/19119/2650 (New) दिनांक 21.04.2023 को कर दिया गया था, परन्तु ऑनलाइन में विलम्ब हो रहा था। अतः प्रकरण को संदर्भित पत्र क्र.01 के द्वारा आपके कार्यालय को प्रस्तुत कर दिया गया था।

आपसे अनुरोध है कि सड़क के समानांतर पाईप लाईन बिछाने एवं क्रॉसिंग की शीघ्र अनुमति प्रदान करने का कष्ट करें।


  
महाप्रबंधक  
म.प्र. जल निगम मर्यादित  
परि.क्रिया.ई. मण्डला

क्रमांक /महा.प्रब./म.ज.नि.मर्या./परि.क्रि.ई./2023

मण्डला, दिनांक

प्रतिलिपि :-

1. परियोजना निर्देशक म.प्र. जल निगम मर्यादित भोपाल की ओर सूचनार्थ प्रेषित।

  
महाप्रबंधक  
म.प्र. जल निगम मर्यादित  
परि.क्रिया.ई. मण्डला



कार्यालय महाप्रबंधक  
मध्यप्रदेश जल निगम मर्यादित

(म. प्र. शासन का उपक्रम)

परियोजना क्रियान्वयन ईकाई, मण्डला

रजि. कार्यालय: 8, अरेरा हिल्स, जेल रोड, भोपाल  
(Website: www.mpjalnigam.co.in)

CIN-U41000MP2012SGC028798

e-mail-gmmandla.mpjalnigam@mp.gov.in)

क्रमांक 18 / महा.प्रबं. / म.ज.नि.मर्या. / परि.क्रि.ई. / 2023  
प्रति,

मण्डला, दिनांक 25/7/2023

कार्यपालन यंत्री,  
लोक निर्माण विभाग,  
राष्ट्रीय राजमार्ग संभाग जबलपुर

विषय : हालोन ग्रामीण समूह जल प्रदाय योजना के अंतर्गत पाईप लाईन एवं रोड कांसिंग की अनुमति बाबद - जल जीवन मिशन

संदर्भ : कल्पतरु प्रोजेक्टस इंटरनेशनल लि. का पत्र क्र. 166 दिनांक 28/06/2023

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उपरोक्त विषय में लेख है कि म.प्र. जल निगम द्वारा जल जीवन मिशन के अंतर्गत मंडला जिले के 445 ग्रामों को पेय जल प्रदाय हेतु हालोन ग्रामीण समूह जल प्रदाय योजना का क्रियान्वयन किया जा रहा है। योजना अंतर्गत NH-543 मार्ग पर पाईप लाईन बिछाने एवं कांसिंग हेतु ऑनलाइन आवेदन क्र. 20230421/1/5/19119/2650 (New) दिनांक 21/04/2023 को कर दिया गया था परंतु ऑनलाइन में विलंब हो रहा है। अतः प्रकरण को ऑफ लाईन जमा किया जा रहा है।

आपसे अनुरोध है कि सड़क के समानांतर पाईप लाईन बिछाने एवं कांसिंग की शीघ्र अनुमति प्रदान करने का कष्ट करे।

- सहपत्र : 1. ऑनलाइन आवेदन  
2. Annexure-1  
3. Annexure-2  
4. Undertaking  
5. पाईप लाईन बिछाने व कांसिंग की प्रक्रिया

T/S  
Copy to A.E. mandla  
for immediate action pl.  
25/7/23



  
महाप्रबंधक  
म.प्र. जल निगम मर्यादित  
परि.क्रिया.ई. मण्डला

# Application Details [20230421/1/5/19119/2650]

Highway

NH543 [NH543]

Name of Highway Authority

Highway Administration Address

Whether the Fuel Station is part of Rest-  
area complex

No

Name of Applicant/Oil Company

Madhya Pradesh Jal Nigam Maryadit  
Address: Lane no 2 Behind SBI Vijay Nagar Jabalpur, JABALPUR  
(MADHYA PRADESH), PIN: 482002  
Phn: 9826391810  
Email: gmjabalpur.mpjalnigam@mp.gov.in

Application Category

Public Utility

Utility

Pipes

State

MADHYA PRADESH

Type

New

Remarks

NH-543 Mandla to Dindori Road. Halon MVS water Supply  
Project.

Submitted On

21 Apr 2023 11:41:30

## Details

1. Length in Meters \*

36912.00

2. Width of available ROW

I. Left side from center line  
towards increasing chainage  
OR km direction \*

varies from 10mtr to 30mtr

II. Right side from center line  
towards increasing chainage  
OR km direction \*

varies from 10mtr to 30mtr

3. Proposal to lay the utility



I. Left side from center line  
towards increasing chainage  
OR km direction \*

AT TOE LINE OF ROW

II. Right side from center line  
towards increasing chainage  
OR km direction \*

AT TOE LINE OF ROW

**4. Proposal to acquire the land**

I. Left side from center line \*

na

II. Right side from center line  
\*

na

5. Whether proposal is in the  
same side where land is not  
to be acquired \*

No

If not then where to lay the  
cable \*

NA

6. Details of already laid  
services if any along the  
proposed route \*

OFC Cable

7. Number of Existing lanes \*

2 Lane

8. Proposed number of lanes  
\*

2 Lane

9. Service road Exists \*

No

**10. Proposed Service road**

Left side from center line

0

Right side from center line

0

11. Whether proposal to lay  
cable is after the service road  
or between the service road  
and main carriageway \*

N/A

12. Whether carrying OFC Cable has been proposed on highway /bridges, If yes then mention the methodology proposed for the same \*

yes

13. Is crossing of the road involved? If Yes, is shall be either encased in pipes or through structure of conduits specially built for the purpose at the expense of the agency owing the line \*

YES

I. Whether the existing drainage structures are allowed to carry utility pipeline. \*

YES

II. Is it on a line normal to NH? \*

No

III. What is the distance of crossing the utility pipelines from the existing structure? Crossings shall not be too near the existing structures on the National Highway, the minimum distance being 15 mtrs. \*

15.00

IV. The casing pipe (or conduit pipe in the case of electric cable) line carrying the utility line shall be of steel, cast iron or reinforced concrete and have adequate strength and be large enough to permit ready withdrawal of carrier pipe/cable Mention type of casting. \*

MILD STEEL & Ductile Iron



V. Ends of the casing/conduit pipe shall be sealed from outside, so that it does not act as a drainage path \*

yes

VI. The casing/conduit pipe should be as minimum extend from drain in cuts toe of slope in fills. \*

yes

VII. The installation of Casing pipe shall be as per attachment-1 of Ministry's Guidelines dated 22.11.2016 \*

yes

VIII. Mention the methodology proposed for crossing of road for the proposed sewerage / gas pipeline crossing shall be boring method (HDD) (Trenchless Technology) specially where the existing road pavement is of cement concrete of dense bituminous concrete type. \*

yes

14. Whether the proposal satisfies the following:

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 2 M width, duly keeping in view the future widening. \*

NA

II. Where land is yet to be acquired for 4 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 2 M width, on that side of existing carriageway where extra land is not proposed to be acquired for 4 laning. \*

yes

III. Where the widening plan for 4 laning is not yet decided and available ROW is around 30 M or less, a judicious decision would need to be taken for permitting the laying of cable/duct. This could be within 1.5 M to 2m of utility corridor at the edge of existing ROW, duly keeping in view the possible widening plans. \*

yes

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. \*

yes



V. Where land strip for utility corridor can't be conveniently earmarked

(available ROW restricted to the toe of the embankment) for laying of cable/ducts, the permission may be refused. \*

OK

15. Document/Drawings enclosed with the proposal \*

Yes

I. Cross section showing the size of trench for open trenching method (is it normal size of 1.2m (min.) deep x 0.3 wide) \*

yes

II. Cross section showing the size of pit and location of cable for HDD method \*

yes

III. Strip plan/ Route plan showing the OFC, Chainage width of ROW, distance of proposed, cable from the edge of ROW, important mile stone, intersections, cross drainage works etc. \*

yes

IV. Methodology of laying of the Utility Pipeline/OFC \*

yes

V. Open trenching method (may be allowed in utility corridor only where pavement is neither cement concrete nor dense bituminous concrete type) If yes what is the Methodology of refilling of trench \*

yes

(a) The trench width should be at least 30 cms but not more than 60 cms wider than the outer diameter of the pipe \*

yes

(b) For filling of the trench, bedding shall be to a depth of not less than 30 cms. It shall consist of granular material, free of lumps, clods, cobbles and graded to yield firm surface without sudden change in the bearing value, unsuitable soil and rock edges should be excavated and replaced by selected material \*

yes

(c) The backfill shall be completed in two stages, i) Side fill to the level of the top of the pipe and ii) Overfill to the bottom of the road crust \*

yes

(d) The side fill shall consist of granular material laid in 15 cms, layers each consolidated by mechanical tampering and controlled addition of moisture to 95% of the proctor density. Overfill shall be compacted to the same density as the material that has been removed. \*

yes



(e) The road crust shall be built to the same strength as existing crust on either side of the trench. Care shall be taken to avoid the formation of a dip at the trench. \*

yes

(f) The excavation shall be protected by flagman, signs and barricades and red lights during night hours. \*

yes

(g) If required, a diversion shall be constructed at the expense of agency owing the utility line. \*

yes

VI. Horizontal Directional Drilling (HDD) Method \*

yes

VII. Laying OFC through CD Works and Method of laying (Whether to be hung outside parapet). \*

yes

16. Draft license Agreement signed by two witnesses. \*

YES

I. The license fee estimate as per Ministry's guidelines issued vide circular no. RW/NH/33044/29/2015/S&R dated 22.11.2016. \*

YES

17. Whether Performance Bank Guarantee is as per Ministry's guidelines issued vide circular no. RW/NH/33044/29/2015/S&R, dated 22.11.2016. \*

No

I. Confirmation of BG has  
been obtained as per MoRTH  
guidelines \*

No

**18. Affidavit/Undertaking from the Applicant for following is to be furnished**

a) Undertaking not to  
Damage to other utility, if  
damage then to pay the  
losses either to NHAI or the  
concerned agency. \*

Yes

b) Undertaking Renewal of  
Bank Guarantee as and when  
asked by MoRTH. \*

Yes

c) Undertaking Confirming all  
standard condition of  
Ministry's guidelines. \*

Yes

d) Undertaking for indemnity  
against all damages and  
claims \*

Yes

e) Undertaking for  
management of traffic  
movement during laying of  
utility line without hampering  
the traffic \*

Yes

f) Undertaking that if any  
claim is raised by the  
concessionaire/ contractor  
then the same has to be paid  
by the applicant. \*

Yes



g) Undertaking that prior approval of the NHAI shall be obtained before undertaking any work of installation, shifting or repairs, or alteration to the utility located in the National Highway Right of Ways. \*

Yes

h) Undertaking that expenditure is any incurred by NHAI for repairing any damage cause to the NH by laying, maintenance of shifting of the utility line will be borne by the applicant agency owing the line. \*

Yes

i) Undertaking that text of the license deal is as per verbatim of format issued by MoRTH vide circular no. RW/NH/33044/29/2015/S&R dated 22.11.2016 \*

Yes

j) Undertaking for shifting of utility as and when asked by MoRTH/ NHAI. \*

Yes

k) Certificate from the applicant in the following format

l) We do undertake that I/we will relocate service road/approach road/utilities at my/our own cost not withstanding the permission granted within such time as will be stipulated by NHAI for future six laning or/any other development

19. Who will sign the agreement on behalf of Applicant agency? Power of Attorney to sign the agreement is available or not.

AVAILABLE

\*

20. The Power of Attorney is  
in favour of authorized  
signatory? \*

Yes

Locations						
Sno	State	District	Highway /Stretch	Start Point	End Point	View
1	MADHYA PRADESH	MANDLA	NH543 [NH543] (0.000- 134.000) From Km: 10 To Km: 60	Chainage Point: 10.165 Lat: 22.603 Lng: 80.459	Chainage Point: 56.932 Lat: 22.846 Lng: 80.725	<a href="#">View</a>

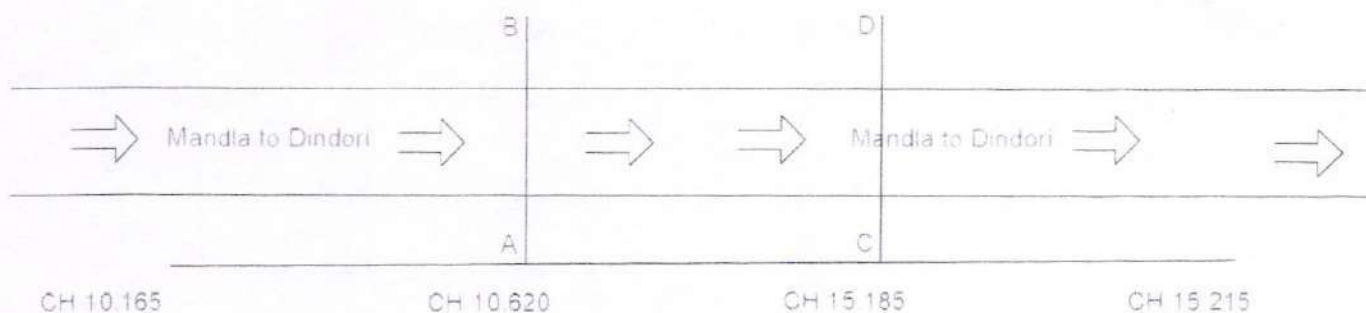


### Documents

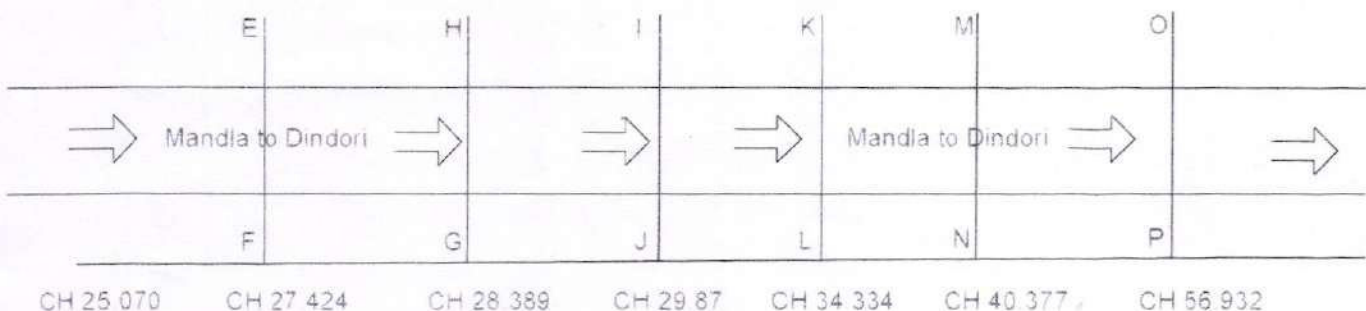
Sno	Stage	Document	Mandatory	Action
1	Under Submission	Layout and Drawings	Yes	View
2	Under Submission	Any Other Supporting Document	No	View
3	Under Submission	Any Document to indicate commercial activities are allowed on the land.	No	--
4	Under Submission	Safety Clearance from Directorate of Electricity	No	--
5	Under Submission	Safety Clearance from Chief Controller of Explosives	No	--
6	Under Submission	Safety Clearance from Petroleum and Explosives Safety Organisation	No	--
7	Under Submission	Safety Clearance from Oil Industry Safety Directorate	No	--
8	Under Submission	Safety Clearance from State/Central Pollution Control Board	No	--
9	Under Submission	Any Other Statutory Clearance as applicable	No	--

### Applicable Fee Details

Sno	Fee Head	Stage	Fee	Amount	Status
1	Utility Fees	Technical Approval	License Fees	0	



NH -543 , (Chhapari Silpuri to Patparamal)



NH -543 , ( Podi Ryt. to Andiya Mal. )

**Nh-543 , Mandla To Dindori Road**

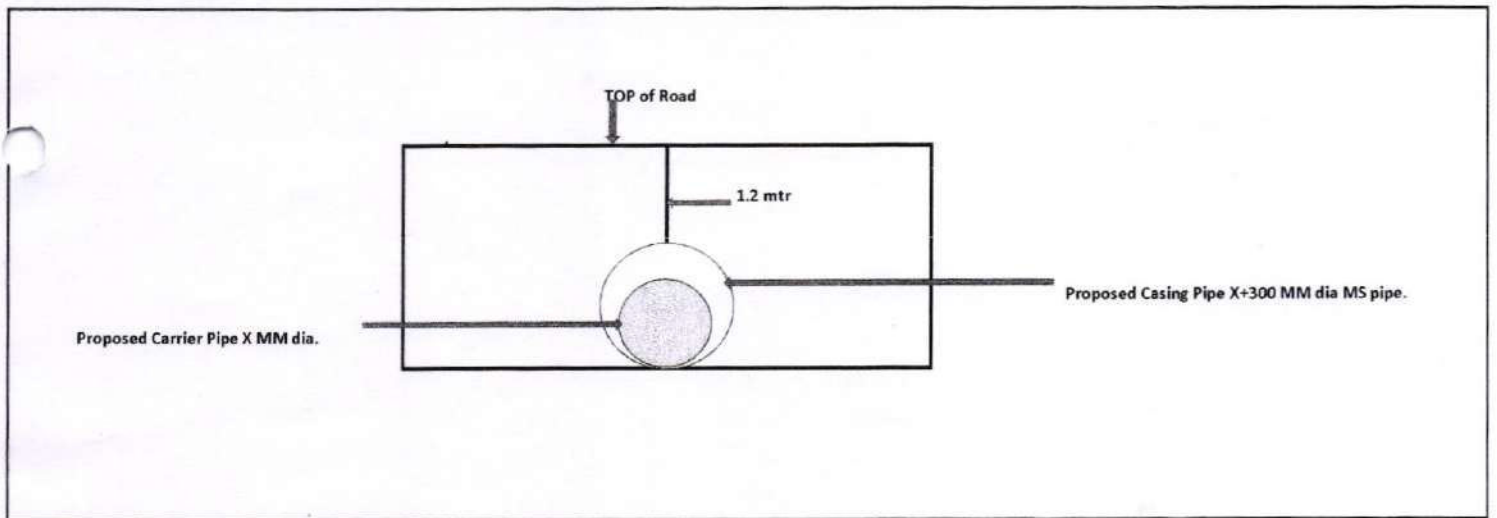
**Crossing Detail**

S.No	Local Reference	Location as per		Coordinates		Chainage	DI Pipe Dia (mm)	DI Pipe outer	Remarks
		From	To	Lat	Long				
1	Patpara Mal	A	B	22.605926°	80.463392°	10.62	150	170	
2	Chappri Silpuri	C	D	22.635331°	80.480911°	15.185	150	170	
3	Linga Chouraha	E	F	22.729010°	80.503228°	27.424	100	118	
4	Manot Jar	G	H	22.734178°	80.510468°	28.389	100	118	
5	Deogaon	I	J	22.740401°	80.522285°	29.87	100	118	
6	Raigaon Jar	K	L	22.747225°	80.562910°	34.334	100	118	
7	Mohgaon	M	N	22.774814°	80.605530°	40.377	400	429	
8	Chabi	Q	R	22.828854°	80.702646°	53.172	250	274	
9	Andiya Mal	O	P	22.846826°	80.725605°	56.932	150	170	

**Total Number of Crossing :- 9 nos**



Mandla to Dindori Road		HALON MULTI VILLAGE SCHEME MANDLA ,( M.P)							
		NHAI ROAD DETAILS NH-543							
S.no	NHAI Road Name	Location	CH		Dia of Pipe in mm	Outer Dia of Pipe in mm	pipe Length to be laidown along ROW (mtr)	Area in Sqm.	Remark
			From CH	To CH					
1	NH 543 (Dindori to Mandla )	Chhapari Silpuri to Patparamal	10.62	15.215	150	170	4,595.00	781.15	RHS
2	NH 543 (Dindori to Mandla )	Chhapari Silpuri to Patparamal	10.165	10.62	100	118	455.00	53.69	RHS
3	NH 543 (Dindori to Mandla )	Podi RYT to Manot Jar.	25.07	27.424	250	274	2,354.00	645.00	LHS
4	NH 543 (Dindori to Mandla )	Manot Jar	27.424	28.389	350	378	965.00	364.77	LHS
5	NH 543 (Dindori to Mandla )	Manot Jar	28.389	29.183	350	378	794.00	300.13	LHS
6	NH 543 (Dindori to Mandla )	Manot Jar to BaniyaTara	29.183	34.334	350	378	5,151.00	1,947.08	LHS
7	NH 543 (Dindori to Mandla )	Baniyatara	34.334	35.064	350	378	730.00	275.94	LHS
8	NH 543 (Dindori to Mandla )	Mohgaon	35.064	40.377	400	429	5,313.00	2,279.28	LHS
9	NH 543 (Dindori to Mandla )	Mohgaon to Andiyadar	40.377	42.733	350	378	2,356.00	890.57	LHS
10	NH 543 (Dindori to Mandla )	Mohgaon to Andiyadar	42.733	44.311	300	326	1,578.00	514.43	LHS
11	NH 543 (Dindori to Mandla )	Khalhe Githauri	44.311	47.463	300	326	3,152.00	1,027.55	LHS
12	NH 543 (Dindori to Mandla )	Khalhe Githauri-Khari Mal	47.463	50.027	300	326	2,564.00	835.86	LHS
13	NH 543 (Dindori to Mandla )	Khari Mal-Khari Ryt.	50.027	51.896	300	326	1,869.00	609.29	LHS
14	NH 543 (Dindori to Mandla )	Khari Ryt. -Bagli	51.896	53.028	300	326	1,132.00	369.03	LHS
15	NH 543 (Dindori to Mandla )	Chabi	53.028	53.712	250	274	684.00	187.42	LHS
16	NH 543 (Dindori to Mandla )	Andiya Mal.	53.712	56.932	150	170	3,220.00	547.40	LHS
Sub Total							36,912.00	11,628.59	





UNDER TAKING -1 (Clause No. 5.1)

M.P Jal Nigam Maryadit, PIU Jabalpur is here by undertaking that we shall take care of all existing utilities during laying of pipeline. If any damage or loses will noticed to existing utilities, during laying of pipeline, M.P Jal Nigam Maryadit, PIU Jabalpur will pay all expenses to restore the same to its original condition to concern agency or NHAI.

General Manager  
M.P. Jal Nigam Maryadit  
Project Implementation Unit  
Jabalpur (M.P.)  
General Manager

M. P Jal Nigam Maryadit PIU Jabalpur



मध्य प्रदेश MADHYA PRADESH

BY 771138

**UNDER TAKING -1 (Clause No. 5.1)**

M.P Jal Nigam Maryadit, PIU Mandla is here by undertaking that we shall take care of all existing utilities during laying of pipeline. If any damage or loses will noticed to existing utilities, during laying of pipeline, water resource department will pay all expenses to restore the same to its original condition to concern agency or NHAI.

General Manager  
M. P Jal Nigam Maryadit PIU Mandla

Executive Engineer  
P. W. D. N. H. Division  
JABALPUR




5196  
9/12/23  
10071

संदीप रेड्डी दिनासरपू पिता डी संजीवा रेड्डी निवासी मेन रोड एम.पी.

यू.पी. स्कूल, टीगाडा, खम्मम, तेलंगाना (पिनकोड-507140)





  
शिवम चौरसिया  
05-क  
स्टाफ नोडल  
मण्डला  
दला





मध्य प्रदेश MADHYA PRADESH

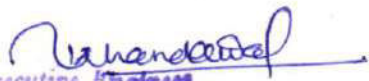
BY 771137

**UNDER TAKING -2 (Clause No. 5.2)**

M.P Jal Nigam Maryadit, PIU Mandla is here by undertaking that we are ready to deposit Bank Guarantee of RS \_\_\_\_\_ as and when intimated by NHAI against laying pipeline across to National Highway -543 at NH chainage 10465 Km to 56+932 Km. we also undertake that if the construction activity will not completed within the validity of Bank Guarantee to the satisfaction of NHAI, Bank Guarantee shall be renewed till completion of construction activity of the satisfaction of NHAI.

  
General Manager

M. P Jal Nigam Maryadit PIU Mandla

  
Executive Engineer  
P. W. D. N. H. Division  
JABALPUR



5/3/23  
9/2/23  
100x1

संदीप रेड्डी दिनासरपू पिता डी संजीवा रेड्डी निवासी मेन रोड एम.पी.

यू.पी. स्कूल, टीगाडा, खम्मम, तेलंगाना (पिनकोड-507140)

संदीप

संदीप

शिवम चौरसिया  
05-क  
स्टाफ वेल्डर  
मण्डला  
पडला





मध्य प्रदेश MADHYA PRADESH


BY 771136

**UNDER TAKING -3 (Clause No. 5.3)**

M.P Jal Nigam Maryadit, PIU Mandla is hereby confirm that we shall fulfil all conditions of ministry of ROAD Transport and Highway Authority of India's circulars for the proposed DI and HDPE Pipe laying across to National Highway -543 at NH chainage 10+165 Km to 56+932.

  
General Manager

M. P Jal Nigam Maryadit PIU Mandla

  
Executive Engineer  
P. W. D. N. H. Division  
JABALPUR



5192  
9/12/23  
10081

संदीप रेड्डी दिनासरपू पिता डी संजीवा रेड्डी निवासी मेन रोड एम.पी.

यू.पी. स्कूल, टीगाडा, खम्मम, तेलंगाना (पिनकोड-507140)

8/12/23

8/12/23

शिवम चौरसिया  
05-क  
स्टाफ वेल्फेयर  
गण्डला





मध्य प्रदेश MADHYA PRADESH


BY 771135

**UNDER TAKING -4 (Clause No. 5.4 & 5.5)**

M.P Jal Nigam Maryadit, PIU Mandla is hereby undertaking that in future if NHAI required or any expansion (widening /laning) in National Highway -07 at NH chainage 10+65 Km to 56+932 Km. will carried out and if needs to remove the pipeline from NH ROW, the same shall be removed /shift by M.P Jal Nigam Maryadit, PIU Mandla at its own cost.

  
General Manager

M. P Jal Nigam Maryadit PIU Mandla

  
Executive Engineer  
P. W. D. N. H. Division  
JABALPUR



5/33  
9/12/23  
10081

संदीप रेड्डी दिनासरपू पिता डी संजीवा रेड्डी निवासी मेन रोड एम.पी.  
यू.पी. स्कूल, टीगाडा, खम्मम, तेलंगाना (पिनकोड-507140)

*[Signature]*

*[Signature]*

*[Signature]*  
शिवम चौरसिया  
05-क  
स्टारब वेल्डर  
मण्डला





मध्य प्रदेश MADHYA PRADESH

BY 771134

**UNDER TAKING -5 (Clause No. 5.6)**

M. P Jal Nigam Maryadit PIU Mandla is hereby undertake that we shall take proper insurance coverage (indemnity) for prospects damages and claims during pipeline laying across to National Highway-543 at NH chainage 10+165 Km to 56+932 Km.

  
General Manager

M. P Jal Nigam Maryadit PIU Mandla

  
Executive Engineer  
P. W. D. N. H. Division  
JABALPUR





5194  
9/12/23  
10071

संदीप रेड्डी दिनासरपू पिता डी संजीवा रेड्डी निवासी मेन रोड एम.पी.

यू.पी. स्कूल, टीगाडा, खम्मम, तेलंगाना (पिनकोड-507140)

8/12/23

8/12/23

शिवम चौरसिया  
05-क. मण्डल  
स्टाफ वेल्फेयर इकाई





मध्य प्रदेश MADHYA PRADESH

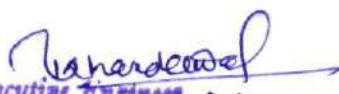
BY 771133

**UNDER TAKING -6 (Clause No. 5.7}**

M. P Jal Nigam Maryadit PIU Mandla is hereby undertake that pipeline shall be laid across National Highway-543 at NH chainage 10+165 Km to 56+932 Km. through digging (open cut) method and diversion road shall be made for traffic movement during pipe laying at NH crossing.

  
General Manager

M. P Jal Nigam Maryadit PIU Mandla

  
Executive Engineer  
P. W. D. N. H. Division  
JABALPUR



5/12/23  
100-41

संदीप रेड्डी दिनासरपू पिता डी संजीवा रेड्डी निवासी मेन रोड एम.पी.

यू.पी. स्कूल, टीगाडा, खम्मम, तेलंगाना (पिनकोड-507140)

8/12/23

8/12/23

शिवम चौरसिया  
05-क  
मंडल  
मंडल





मध्य प्रदेश MADHYA PRADESH

BY 771132

**UNDER TAKING -7 (Clause No. 5.8)**

M. P Jal Nigam Maryadit PIU Mandla is hereby undertaking that if any claim raised by concessionaire for laying pipeline across to the National Highway-543 at NH chainage 10+165 Km to 56+932 Km then the same will be paid M.P. Jal Nigam Maryadit PIU Mandla M.P.

  
General Manager

M. P Jal Nigam Maryadit PIU Mandla

  
Executive Engineer  
P. W. D. N. H. Division  
JABALPUR



१७/५  
५७/५/७  
(५०००)

संदीप रेड्डी दिनासरपू पिता डी संजीवा रेड्डी निवासी मेन रोड एम.पी.  
यू.पी. स्कूल, टीगाडा, खम्मम, तेलंगाना (पिनकोड-507140)



अक्षय

  
शिवम चौरासिया  
05-05, स्टार रोड,  
महल

STATION

STATION

STATION

STATION



STATION





मध्य प्रदेश MADHYA PRADESH


BY 771131

**UNDER TAKING -8(Clause No. 5.9)**

M. P Jal Nigam Maryadit PIU Mandla is hereby undertaking prior approval shall be taken with NHAI before undertaking any work of installation, shifting of Repairs of any alterations of water pipeline/any other utility located in the NH ROW.

  
General Manager

M. P Jal Nigam Maryadit PIU Mandla

  
Executive Engineer  
P. W. D. N. H. Division  
JABALPUR



5197  
01/12/23  
10081

संदीप रेड्डी दिनासरपू पिता डी संजीवा रेड्डी निवासी मेन रोड एम.पी.  
यू.पी. स्कूल, टीगाडा, खम्मम, तेलंगाना (पिनकोड-507140)

8/12/23

शिवम चौरसिया  
05-क. मण्डला  
स्टाम्प वेल्डर. पडला





मध्य प्रदेश MADHYA PRADESH

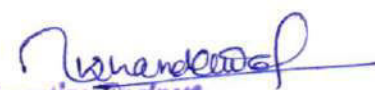
BY 771130

**UNDER TAKING -9(Clause No. 5.10)**

M. P Jal Nigam Maryadit PIU Mandla is hereby undertaking expenditure, if any, incurred by NHAI for repairing any damage caused to the National Highway by the laying Maintenance or shifting of water pipeline will be borne by the M.P. Jal Nigam Maryadit PIU Mandla.

  
General Manager

M. P Jal Nigam Maryadit PIU Mandla

  
Executive Engineer  
P. W. D. N. H. Division  
JABALPUR



5138  
9/12/23  
100X

संदीप रेड्डी दिनासरपू पिता डी संजीवा रेड्डी निवासी मेन रोड एम.पी.

यू.पी. स्कूल, टीगाडा, खम्मम, तेलंगाना (पिनकोड-507140)

8/12/23

8/12/23

शिवम चौरसिया  
05-क. स्टामा बेल्डर. इला





मध्य प्रदेश MADHYA PRADESH

BY 771129

**UNDER TAKING -10(Clause No. 5.11)**

M. P Jal Nigam Maryadit PIU Mandla is hereby undertake that if the NHAI considers necessary in future to move the utility line for the work of improvement or repairs to the road, it will be carried out as desired by the NHAI at the cost of M. P Jal Nigam Maryadit PIU Mandla within reasonable time (Not exceeding 60 days) of the intimation given.

  
General Manager

M. P Jal Nigam Maryadit PIU Mandla

  
Executive Engineer  
P. W. D. N. H. Division  
JABALPUR



5199  
9/12/23  
100x1

संदीप रेड्डी दिनासरपू पिता डी संजीवा रेड्डी निवासी मेन रोड एम.पी.

यू.पी. स्कूल, टीगाडा, खम्मम, तेलंगाना (पिनकोड-507140)

संख्या

51

शिवम चौरसिया  
05-क. मण्डल  
स्टाफ वेल्डर गडगा





मध्य प्रदेश MADHYA PRADESH

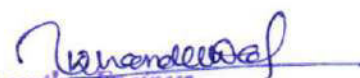
BY 771128

**UNDERTAKING -12 [Clause No. 5.12 (ii)]**

M. P Jal Nigam Maryadit PIU Mandla is hereby undertake that I/ we will relocate service road /approach road/utilities at my/our won cost not with standing the permission granted within such time as will be stipulated by NHAI for future six lanning or any other development.

  
General Manager

M. P Jal Nigam Maryadit PIU Mandla

  
Executive Engineer  
P. W. D. N. H. Division  
JABALPUR



5200  
31/2/23  
100x1

संदीप रेड्डी दिनासरपू पिता डी संजीवा रेड्डी निवासी मेन रोड एम.पी.

यू.पी. स्कूल, टीगाडा, खम्मम, तेलंगाना (पिनकोड-507140)

अक्षय

अक्षय

शिवम चौरसिया  
05-क, मण्डला  
मण्डला, खम्मम



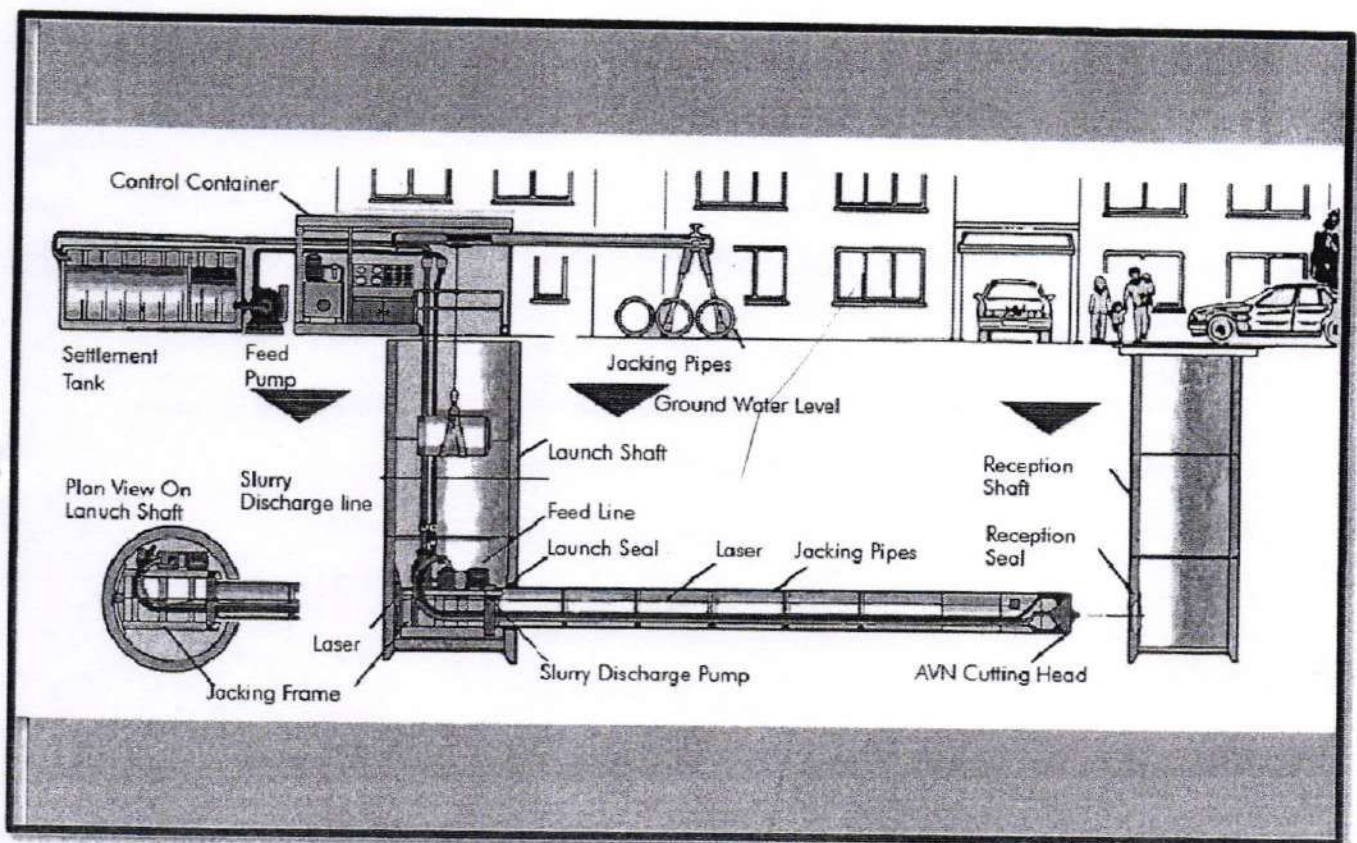
# Micro-Tunneling

## 1. Purpose:

Micro tunneling is a Trenchless technology to lay pipes with minimum negligible hindrances to the public and road users in a busy business area. This objective of this procedure is to clearly understand the methodology and describe the systematic procedure for safe execution of the micro tunneling process.

## 2. Principle of Micro tunneling:

The product pipe shall be installed to the exact line and grade by the use of guided pilot tube which is headed by a boring machine with cutting head. The product pipes will be installed one by one and jacked from rear end to form the complete stretch of the pipeline from jacking shaft to receiver shaft as shown in the above fig. The boring machine is provided with spoil removing system that will collect all the spoil during the cutting process and that will be pumped out by a slurry discharge pumping mechanism. The progression of the pilot tube is controlled by a remote guidance system.



Typical Micro tunneling Setup in progress without interrupting the Traffic

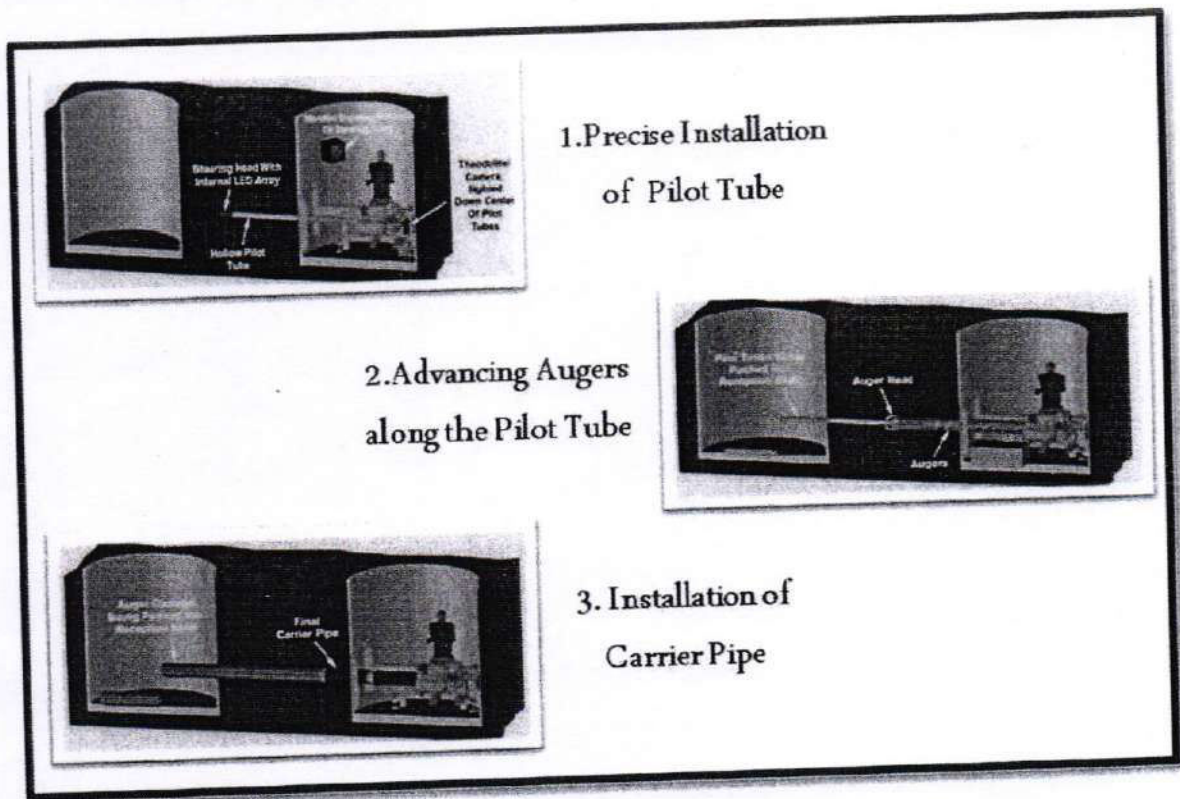
## 3. Types of Micro tunneling

### 3.1 Pilot Tube Micro tunneling (PTMT) / (Auger Type Micro tunneling)

Pilot Tube Micro tunneling shall be defined as an alternate micro tunneling system for sizes



150mm through 600mm and larger nominal internal diameter pipe. This system is a two or three stage system, which allows both trenchless guided installations of house connection sewers as well as accurate direct jacking of mainline collection sewer pipes without use of casing a permanently installed casing. The Pilot Tube Micro tunneling boring machine uses a remote controlled, laser or theodolite guidance system to maintain specified line and grade, a jacking system is used for thrust and mechanical drive which creates torque to both the pilot tube and the augers used for spoil removal.



### 3.2 Slurry Micro tunneling

Slurry Micro tunneling shall be defined as an alternate micro tunneling system for sizes 760mm through 2400mm and larger nominal internal diameter pipe. Slurry systems employ a cutter head in a tunnel machine that is sealed against any penetration by liquid or solids. Typically, a crusher chamber will texturize the excavated ground so that it can be carried away from the head of the machine through a sealed pumped slurry network. This delivers the spoil outside of the tunnel.

#### 4. Sequence of Operations:

##### 4.1 Site Investigations

##### 4.2 Design and Construction of Jacking and Receiver Shafts

##### 4.3. Installation of Jacking Equipment/Machineries in Jacking Shafts

##### 4.4 Tunneling Operations

##### 4.5 Dismantling/Moving out the Machineries from Shafts

#### 4.1 Site Investigations:

- ▶ A detailed site investigation shall be made using any or combined approach or methods to determine the factual information about the distribution and engineering characteristics of soil, rock, and ground water at a site with enough accuracy that sound, safe, and economical design and reliable construction planning for the work are possible. The approach and methods may include:
  - Review of existing information
  - Aerial photography
  - Test pits
  - Trenches
  - Borings
  - Large-diameter drilled holes
  - Cone penetrometer testing
  - Geophysical surveys
  - Ground penetrating radar
- ▶ The following important site characteristics to be determined for all micro-tunneling projects:
  - Soft Ground conditions
  - Rock conditions
  - Mixed face conditions
  - Presence of cobbles and boulders
  - Groundwater conditions
  - Potential obstructions
  - Contaminated Groundwater or soil
  - Man-made and Environmentally sensitive features
- ▶ The potential impact these characteristics exert on construction and impacts construction may have on site features are summarized. The relative importance of individual characteristics will vary from project to project.
- ▶ The required mitigation plan and resources with respect to the outcomes of the investigation shall be planned well ahead and initiated.



## 4.2 Design and Construction of Jacking and receiver shafts:

- ▶ Design of the Shafts must satisfy the minimum requirements like the Size and Shape (Circular, Rectangular, Elliptical etc...) that varies according to the type of tunneling equipment planned for the particular job.
- ▶ Both Surface conditions including Soil type and Ground water Table decides the method of construction of the shafts. For example, Trench Boxes may be feasible for small conventional tunneling through stiff clay above the water table.
- ▶ The shafts must be designed for the extreme combinations of the jacking pressures, all the surcharge loads due to the outside traffic, machineries & man movements, and Hydraulic pressure due to ground water & Slurry Blow Backs.
- ▶ Inadvertent effects caused by the vibrations of jacking machineries as well as outside traffic/machines must be taken care in the designs.
- ▶ The platform of the shaft should be able to accommodate the weights and vibrations from the jacking equipment.

### 4.2.1 Safe Operating procedure for the construction of Shafts:

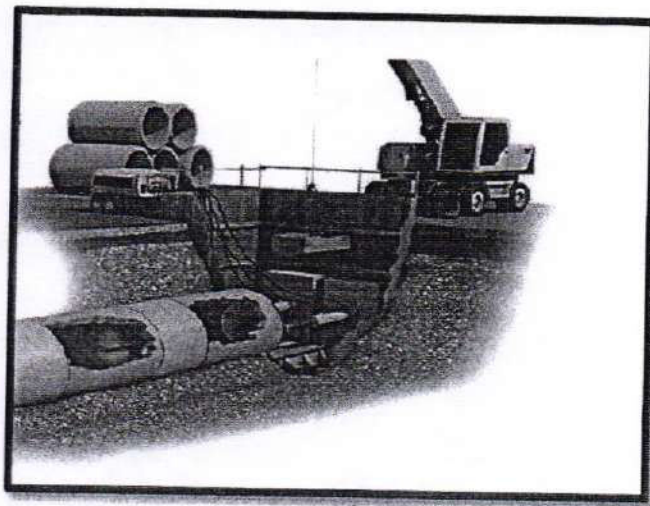
- ▶ Before the construction of the shafts, one shall make sure of the presence active of underground utilities like electrical, telephone line, sewers etc..., within the range of the excavation.
- ▶ Work must be commenced with proper work permit and all clearances required from the local authorities.
- ▶ Proper Traffic Management Procedures shall be adopted as to suit the requirements particular to the site
- ▶ All workmen shall be provided with minimum PPE, Proper ventilation shall be maintained inside the shaft
- ▶ The Working area shall be hard barricaded (Reflectorized) in order to protect fall of men, machinery and vehicles
- ▶ Sufficient Illumination shall be ensured during the night time works.
- ▶ Sloping, Shoring or any suitable technique shall be adopted to prevent collapse of soil
- ▶ The removed soil shall be placed at a distance equal to the depth of shaft from the edge of the shaft.
- ▶ Regardless of the Surface and Water Table conditions the shafts must always be provided with watertight excavation supports to prevent BLOW BACK of the Pressurized Slurry.
- ▶ The walls and platform of the shaft shall be pressure grouted to protect it from water seepage and slope collapse if required.
- ▶ Proper access and egress arrangements shall be provided with ladders/winch mechanism whichever is suitable.
- ▶ The following precautionary measures to be implemented for Electrical systems:
  - DB should confirm to IP 55.
  - Ensure double earthing.
  - Power should be routed through RCCB of 30 mA.
  - All power cables should be laid either underground or above ground (above hand reach height).
  - Ensure use of industrial plugs & plug tops.
  - Ensure all electrical driven equipment should be disconnected during idle.
  - Ensure certified electrician should deal with electrical activities.
  - Ensure LOTO while working with electrical power driven equipment.
  - Ensure availability of suitable fire extinguishers near DG & DBs.



- ▶ All jacking shaft & receiving shaft after completion of construction to be well protected with suitable load bearing covers against falling of person, vehicle & materials.
- ▶ Ensure weekly inspection of shaft covers against any displacement, disorder, deformation or other defects.

#### 4.3 Installation of Jacking Equipment/Machineries and pipes in Jacking Shafts:

- ▶ Before Jacking the Material Handling operations shall have the following precautionary measures:
  - Ensure Third party inspections for all lifting tools, tackles & lifting machines from competent person.
  - Ensure skilled riggers, licensed operators and signal man for materials handling into jacking and receiving shaft.
  - Ensure all workmen out of shaft during lowering or hoisting any materials from shaft.
  - Ensure PTW during lowering or hoisting any materials to both the shafts.
  - Daily inspection of lifting tools, tackles, wire ropes, gantry prior to start the job.
  - Avoid use of handmade lifting tools & tackles.
- ▶ Jacking equipment and other machineries can be installed by using cranes. The cranes shall be operated from at least equal to the depth of shaft away from the edge of the shaft if the depth is less than 6 m, and at a distance of minimum 6 m, if the depth is greater than 6 m.
- ▶ Trained person has to be deployed for signaling the crane operator and ensure that there is no movement of workmen within the swing area of the crane
- ▶ The exposed rotating parts of the crane shall be shielded and ensure that crane is equipped with back horn
- ▶ No workman is allowed to go inside shaft for guiding the crane operator for placing the machine/pipes, if it is necessary, the person shall be trained.
- ▶ The precautionary measures FRP Ladders, Cranes/hydra cranes/hydraulic lift trolley truck or tractors are to be dealt with banksman, Ensure de-energizing the power source while working underneath any live cable with PTW system.



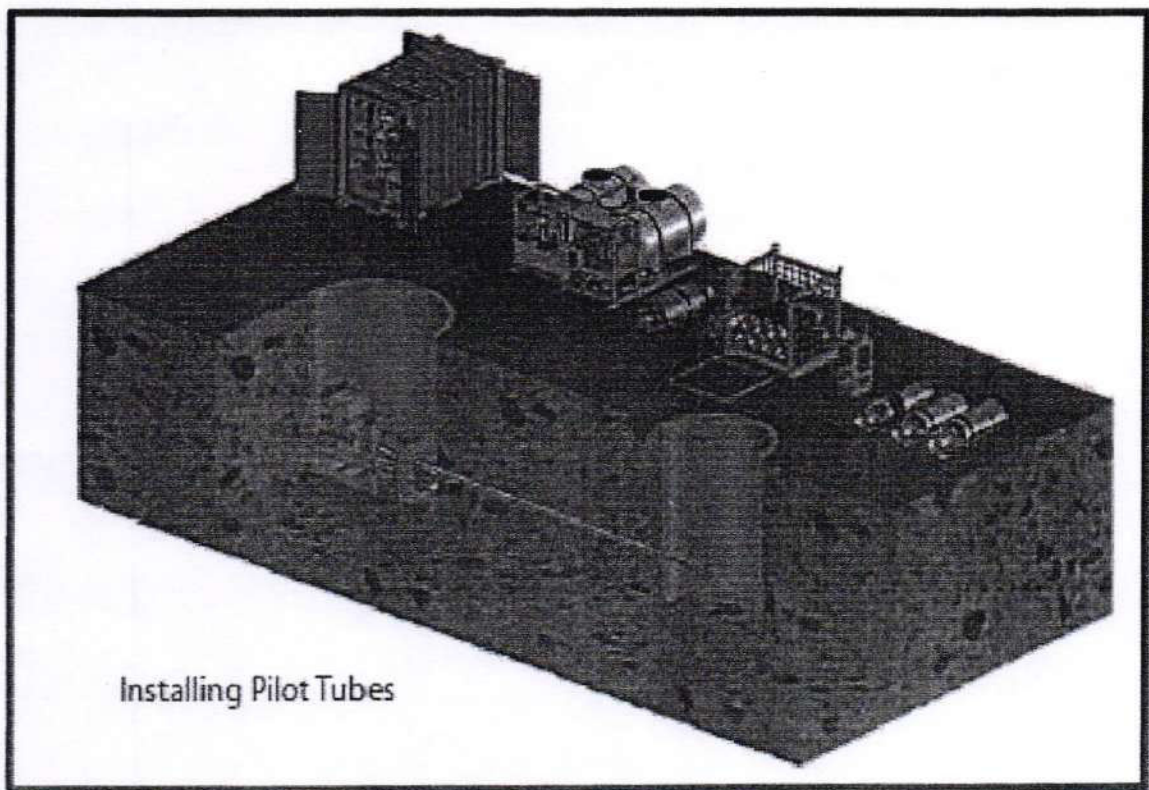
Pipe Jacking



- ▶ Noise protection equipment shall be provided to the workmen based on the noise levels during the jacking
- ▶ Air quality is to be maintained in the shaft during the operation, if required artificial breathing system shall be provided to the people working inside the shaft
- ▶ Suitable control measures shall be taken to protect the operators/workmen from the injuries caused by vibration and Heat effects as well (Deploying workmen in shift basis can one of the solutions)

#### 4.4 Tunneling Operations:

- ▶ During the process of tunneling slurry is pumped out with a great pressure that shall be contained properly
- ▶ The slurry pipe outlet shall be secured to a fixed support
- ▶ Safe procedure for handling and securing of the pipes shall be followed (ref.procedure-9)
- ▶ Grouting: It is done to fill the annular space between the outer surface of the pipe lines and the drilled hole. The following precautions must be taken to prevent hazardous effects due the grouting operation.
  - Only skilled and experienced personnel are deployed to this job, because of high risk level on mishandling.
  - PVC, Latex or rubber gloves shall be used for hand and wrist protection
  - Safety goggles shall be used for protection of eyes from high speed splatters from the nozzle
  - Breathing mask shall be used for protection against small sand particles/powder entering into our airways.



#### 4.5 Dismantling/Moving out the Machineries from Shafts:

All the machineries shall be taken out of the shaft with the help of cranes (Crane shall be operated from the previously specified distance) and shafts shall be closed and properly identified by using reflective stickers/tapes to avoid any fall of men/vehicles.

The previously mentioned precautionary measures such as PTW, Material Handling, electrical systems and others shall be applicable throughout the operations.

#### **Records**

Checklist for the Micro-Tunneling

Permit to Work at Height

Vehicle & Earth moving Equipment  
Inspection Report

Checklist for Working on Roads

Equipment Fitness Report for vehicles &  
Earth Moving Equipment

Confined Space Entry Permit  
Checklist for Bentonite Disposal

#### **Retention**

Till the end of the project

Till the end of the project

Till the end of project

Till the end of project

Till the end of project

Till the end of project Till the  
end of project



## Methodology for laying of pipes along the NH road

It is proposed to adopt the following methodology for laying of pipe line work for your necessary approval.

- a) **Alignment**-The alignment of pipe line trench is drawn on the field, prior to laying of pipe as per approved drawing in such a way that it should cause minimum damage to the existing structures & services etc. and minimum trouble to the public.
- b) **Depth**- Depth will be sufficient to provide a minimum cover of 1 m above the pipe. Where ever it is not possible to maintain such depth due to any unavoidable reasons, NHAI will be duly informed and permission for any change will be taken prior to execution of work.
- c) **Width**-The standard & recommended width of pipe trench used for pipe laying is equal to pipe dia plus 200 mm on either side.
  - 1) **Bedding**-If rock is found in excavation then bedding with selected fine earth/soft soil/sand /morrum/stone dust of minimum 150 mm thickness will required below & above the pipe.
  - 2) **Pipe Jointing**-DI pipes are jointed by push on method. The qualities of joints are checked, while performing hydraulic tests on laid pipes.
  - 3) **Refilling-Compaction and Road restoration for water lines-**

Excavated pipe trench shall be refilled by the same excavated stuff in manually compacted layers. Top surface is compacted by manual compaction ramming /rolling to attain firm top surface is again restored to make it good after within 3 to 4 months after one rainy season as per the requirement.

All the pipe trenches are refilled as early as possible. No pipe trench should have kept open more than maximum 24 Hour. After refilling immediately extra stuff available around the trench shall be cleaned & disposed at suitable place.

In conformity to the relevant contract condition; in general, to all cases, the compaction after refilling is done in such a way that there should be no settlement of top surface of pipe trenches so as avoid any inconvenience to the public. However, after passing out some time if signs of settlement are observed on the top surface soil/restored surfaces of pipe trench, the same shall be rectified immediately within 7 days.

**General Note for Road Restoration:** -Restoration of road way shall be done as early as possible to avoid inconvenience to the public. The testing for compressive strength/density shall be done exclusively for newly constructed road items only along with other mandatory tests. Major road which are maintained by PWD, MPRDC & NHAI shall be restored as per the requirements / norms if they direct to do so or otherwise above methodology may be adopted for all roads.

- 1) **Hydraulic Testing** — Sectional hydraulic testing of laid pipes for the specified pressure given in the contract or shall be carried out without any leakage & seepage in any of part.
- 2) **Laboratory**—Lab shall be set up to carry out the tests required for the work. For pipe work; following tests in conformity to the condition of contract shall be carried out:
  - 1) Only hydraulic testing on desired pressure with pressure Gauges of Dial type.

#### **For Road restoration work**

- 1) Compressive strength/density Test
- 2) All other desired test as per the requirement of work (relevant test as per restoration item)
- 3) **Air Valves**-Kinetic air valves shall be provided in all pumping mains to release the air at ever distance of maximum 750-meter C/C.
- 4) **Scour Valves**-Scour Valves of suitable size will be provided in Clear Water Feeder minimum at required places near Nalla Cross Section.
- 5) **Thrusts Blocks**- Thrust blocks are made up of M15 grade concrete. RCC Pedestals required to support the pipe are constructed of M25 grade of concrete.
- 6) **Valve Chambers**-Brick Masonry Valve Chambers shall be constructed in cement mortar 1:4.
- 7) **Safe Guards**- Adequate barricades, construction signs, torches red lanterns and guards, caution tape etc. as required, shall be placed and maintained around pipe trench alignment during laying of pipe works in such a way that it should not cause any injury to any third person or damage to the existing property.



## NH-543, Mandla To Dindori Road


Road Khasra Details							
S.no	Khasra no.	Village	District	Start Coordinate		End Coordinate	
1	1	patpara ryt.	Mandla	22.603708°	80.459641°	22.635724°	80.480832°
2	53	patpara ryt.	Mandla				
3	264	Tilalpani	Mandla				
4	22	chhapri Silpuri	Mandla				
5	94	Podi RYT.	Mandla	22.713073°	80.489266°	22.846732°	80.725710°
6	213	linga ryt.	Mandla				
7	214	linga ryt.	Mandla				
8	172 Z184	manot jar	Mandla				
9	21	Deogaon	Mandla				
10	100	Deogaon	Mandla				
11	580	Deogaon	Mandla				
12	579	Deogaon	Mandla				
13	284	Saliwada	Mandla				
14	49	Raigaon	Mandla				
15	18	Indra Mal	Mandla				
16	87	Indra Ryt.	Mandla				
17	154	Binjhi	Mandla				
18	109	Binjhi	Mandla				
19	12	Mohgaon	Mandla				
20	26	Mohgaon Ryt.	Mandla				
21	294	Mohgaon Ryt.	Mandla				
22	192	Andiyadar Jar	Mandla				
23	52/256	Andiyadar Jar	Mandla				
24	130	Khalhe Githauri	Mandla				
25	175	Khalhe Githauri	Mandla				
26	482	Khalhe Githauri	Mandla				
27	109	khairi Mal	Mandla				
28	386	khairi Mal	Mandla				
29	99	Khairi Ryt.	Mandla				
30	234	Baglis	Mandla				
31	254	Andiya mal	Mandla				
32	253	Andiya mal	Mandla				
33	249	Andiya mal	Mandla				
34	248	Andiya mal	Mandla				
35	247	Andiya mal	Mandla				
36	246	Andiya mal	Mandla				
37	241	Andiya mal	Mandla				
38	244	Andiya mal	Mandla				
39	243	Andiya mal	Mandla				
40	209/2	Andiya mal	Mandla				
41	208	Andiya mal	Mandla				
42	207	Andiya mal	Mandla				
43	206	Andiya mal	Mandla				


## CHECK-LIST

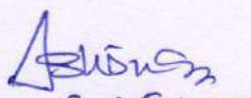
Guidelines for project Directors for processing the proposal of Water pipe Line by private parties in the land along National Highways vested with NHAI.

### Relevant circulars

- 1) Ministry Circulars No. RW/NH-33044/17/2000-S&R dated 29.09.2000
- 2) Nhai's circular no. NHAI/OEC/2k/Vol II dated 7.11.2000 which includes the comprehencies guidelines and draft license agreement for laying of OFC cable by private party in the land along National Highways vested with NHAI.
- 3) Ministry's circular no. RW/NH-33044/27/2000-S&R \* date 21.03.2006. it is regarding the modification of previous Ministry's circular enhancing the amount of performance Bank Guarantee @ Rs.50/- per route meter in place of earlier rate of Rs.25/- per route meter.
- 4) Ministry's circular no. RW/NH-33044/27/2005-S&R \* (Pt) date 06/07.08.2013. it is regarding the modification of previous Ministry circular enhancing the amount of performance Bank Gurantee @ Rs.100/- per route meter in place of earlier rate of Rs.50/- per route meter.
- 5) Ministry of Road Transport & Highways letter No. 33044/29/2015/S&R\* dated 22.11.2016. it is regarding the modification of previous Ministry's circular enhancing the amount of performance Bank Guarantee @Rs.100/- & additional charges as per utilized NH Land area.

  
General Manager  
M.P Jai Nigam Maryadit  
Project Implementation Unit  
Mandla (MP)

  
Deputy Manager  
M.P Jai Nigam Maryadit  
Project Implementation Unit  
Mandla (MP)

  
Sub Engineer

  
Assistant Engineer  
National Highway 543 Mandla  
P.W.D. N.H. Div. Jabalpur (M.P.)

  
Executive Engineer  
P. W. D. N. H. Division  
JABALPUR



Check list for getting approval for laying of water pipe line on NH land

S.No.	Item	Information/status	Remarks
1	General Information		
1.1	Name and address of the Applicant	Madhya Pradesh Jal Nigam Maryadit. "D" wing 2 <sup>nd</sup> Floor, Vindhyanchal Bhawan Bhopal 462004 Tel:0755-2579034 Fax:0755-2579873	
1.2	National Highway Number	NH-543	
1.3	State	Madhya Pradesh	
1.4	Location	Chhapari silpuri to Andiya mal	
1.5	(Chainage in Km)	NH-543 Chhapari silpuri to Andiya mal road from km/s 10+62 to Km/s 56+932 Total section length ROW applied for 26 kms	
1.6	Length in meters	36,912.00 Mtrs	
1.7	Width of available ROW	Varying from 60	
	(a) Left side from center line towards increasing chainage km direction	As per drawings attached.	

*[Signature]*  
General Manager  
M.P Jal Nigam Maryadit  
Project Implementation Unit  
Mandla (MP)

*[Signature]*  
Deputy Manager  
M.P Jal Nigam Maryadit  
Project Implementation Unit  
Mandla (MP)

*[Signature]*  
Assistant Engineer  
National Highway 543 Mandla  
P. W. D. N.H. Div. Jabalpur (M.P.)

*[Signature]*  
Executive Engineer  
P. W. D. N. H. Division  
JABALPUR



	(b) Right side from center line towards increasing chainage/km direction	As per Drawings attached	
1.8	Proposal to lay Pipeline		
	(a) Right side from center line towards increasing chainage/km direction	NH-543 Chhapari silpuri to Amdiya mal road from km/s 10 +62 to Km/s 27.424 Total section length ROW applied for 5 kms	
	(b) Right side from center line towards increasing chainage/km direction	NA	
1.9	Proposal to acquire land	NO	
	(a) Left side from center line towards increasing chainage/km direction	NH-543 Chhapari silpuri to Amdiya mal road from km/s 25 +07 to Km/s 56+932 Total section length ROW applied for 31 kms	
	(b) Right side from center line		
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		
1.11	Details of already liad services if any along the proposed route	NA	
1.12	Number of lanes (2/4/6/8lanes)existing	4 Lanes	
1.13	Proposed Number of lanes (2 lane with paved shoulders/4/6/8) lanes)	NA	
1.14	Services road existing or not	Not	
	If yes then which side		
	(a) Left side from center line	NA	
	(b) Right side from center line	NA	
1.15	Proposed road services		
	(a) Left side from center line	NA	
	(b) Right side from center line	NA	
	Whether proposal to lay pipeline is after the service road or	EXTREME Edge of RoW	

*Shrue*  
Sub Eng  
Assistant Engineer  
National Highway 543 Mandla  
P.W.D. N.H. Div. Jabalpur (M.P.)

*Upandewar*  
Executive Engineer  
P. W. D. N. H. Division  
JABALPUR

*M.P. Jai Nigam Maryadit*  
Project Implementation Unit  
Mandla (MP)

*M.P. Jai Nigam Maryadit*  
Deputy Engineer  
Project Implementation Unit  
Mandla (MP)



	Between the service road and maintain carriageway		
1.17	The permission for laying pipelines shall be considered for approval/rejection.		
	(i) Where the RoW is more than the pipeline 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 4 lanning 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-lanning.	NA	
	(iii) Where the widening plan for 4-lanning 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 pipeline. 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	
	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 of the same stretch.	1	
1.19	Whether the case of multiple licenses	Single	
1.20	If so furnish a joint implementation programmer 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-less technology	9 crossing	

*[Signature]*  
**General Manager**  
**M.P Jal Nigam Maryadit**  
**Project Implementation Unit**  
**Mandla (MP)**

*[Signature]*

*[Signature]*  
**Sub Engineer**

*[Signature]*  
**Assistant Engineer**  
**National Highway 543 Mandla**  
**P.W.D. N.H. Div. Jabalpur (M.P.)**

*[Signature]*  
**Executive Engineer**  
**P. W. D. N. H. Division**  
**JABALPUR**

**City Manager**  
**M.P Jal Nigam Maryadit**  
**Project Implementation Unit**  
**Mandla (MP)**



2.	Document/Drawings enclosed with the proposal	YES	
2.1	Cross section showing the size of trench for open trenching method (it is normal size of 1.65m deep x 0.7m wide) Should not be greater than 1.5m in width in multiple ducts.	YES Standard size	
2.2	Cross section showing the size of pit and location of pipeline for HDD method.	Drawing attached	
2.3	Strip plan/Route plan showing the pipeline, chainage, width of ROW, distance of proposed ,cable from the edge of ROW, important mile stone, intersection, cross drainage works etc.	Yes attached	
2.4	Methodology for laying of OFC.	OT & HDD	
2.4.1	Open trenching method ,If yes, methodology of refilling of trench	Yes, refilling by excavated materials	
2.4.2	Horizontal Directional Drilling method	Only for crossing	
2.4.3	Laying pipeline through CD works and method of laying (Whether to be hung outside parapet)	YES	
3.	Draft license Agreement signed by two witness.	YES	
4.	Performance bank guarantee	Submitted after approval	
4.2	Conformation of BG has been obtained by as per NHAI guidelines	BG shall be submitted as per MoRTH guidelines	
5	<b>Affidavit/Undertaking from the Applicant for</b>		
5.1	Not to damage to other utility if damaged then to pay the losses either th NHAI or to the concerned agency.	Yes; covered in agreement	
5.2	Renewal of Bank guarantee	Yes; covered in agreement	
5.3	Confirming all standard condition of NHAI's guideline	Yes; covered in agreement	
5.4	Shifting of Pipeline as and when required by NHAI	Yes; covered in agreement	
5.5	Shifting due to 6 lanning/wideing of NH	Yes; covered in agreement	

*Sub Engr*

*Assistant Engineer*

National Highway 543 Mandla P. W. D. N. H. Division  
P.W.D. N.H. Div. Jabalpur (M.P.)

*Executive Engineer*  
JABALPUR

General Manager  
M.P Jal Nigam Maryadit  
Project Implementation Unit  
Mandla (MP)

Deputy Manager  
M.P Jal Nigam Maryadit  
Project Implementation Unit  
Mandla (MP)



5.6	Inderminity against all damages and claims clause (xxiv)	Yes;covered in agreement	
5.7	Traffic movement during laying of pipeline to be managed by applicant	Yes;covered in agreement	
5.8	If any claim is raised by the Concessionaries then the same has to be paid by applicant.	Yes;covered in agreement	
5.9	Certificate for 6-lanning from the applicant in following format. "We do undertake that I will relocate service road/approach road/utilities at my own cost not withstanding the permission granted within such time as will be stipulated by NHAI" for future six-lanning or any other devolpment.	Yes;covered in undertaking	
6.	Power of attorney in favor of authorized signatory	YES Enclosed	
7.	Copy of DOT license		
8.	Certificate from the Project director		
8.1	Certificate for confirming of all standard condition issued ministry No. RW/NH-33044/17/2000-S&R dated 29.09.2000 and NHAI guidelines issued vide No. NHAI/OEC/2K/VOL II dated 7.11.2000 and ministry's circulars No. RW/NH-33044/27/2005-S&R R (Pt) date 06/07.08.2013 & Ministry of road transport &highways letter no. 33044/29/2015/S&R R dated 22.11.2016		
8.2	Certificate for 6-lanning from PD in the following format.	NA	
	(a) Where feasibility is available "I do certify that there will be no hindernce to proposed six-lanning based on the feasibily report considering proposed structures at said location. (b) In case feasibility report is not available " I do certify	Chhapari silpuri to Andiya mal Road	

*[Signature]*  
M.P Jai Nigam Maryadit  
Project Implementation Unit  
Mandla (MP)

*[Signature]*  
Sub Engineer  
Assistant Engineer  
National Highway 543 Mandla  
P.W.D. N.H. Div. Jabalpur (M.P.)

*[Signature]*  
Executive Engineer  
P. W. D. N. H. Division  
JABALPUR

*[Signature]*  
Deputy Manager  
M.P Jai Nigam Maryadit  
Project Implementation Unit  
Mandla (MP)



	That sufficient ROW is available at site for accommodating proposed six-lanning		
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 Highway on which license has been granted the right to lay cable/duct has also been granted as a right of way to be concessionaire under the concession agreement for up= gradation of ..... section from Km..... to Km ..... of NMH No.-..... On Build Operate and Transfer basis] and therefore the license shall honour the same."		
11.	Who will supervise the work of laying of pipeline.	MPJNM	
12.	Who will ensure that the defects in road portion after laying of Pipeline are corrected and if not corrected then what action will be taken	MPJNM	
13.	Who will pay the claims for damages done/disruption in working of concessionaire if asked by the concessionaire	MPJNM	
14.	A certificate from PD that he will enter the proposed permission in the register of records of the permissions in prescribed performa (COPY ENCLOSED) ISSUED VIDE MINISTRY Circular No. RW/NH/33044/17/2000/S&R dated 23.7.2003. Ministry circular No. RW/NH-33044/27/2005-S&R R (Pt.) date 6/07.08.2013 & Ministry of road transport & Highway letter No. 33044/29/2015/S&R R 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 Ministry of road transport & highways letter No. 33044/29/2015/S&R R dated 22.11.2016 as referred in para 13 above is enclosed or	NA	

*[Signature]*  
**Manager**  
 M.P. Jai Nigam Maryadit  
 Project Implementation Unit  
 Mandla (MP)

*[Signature]*  
**Sub Engr**  
*[Signature]*  
**Assistant Engineer**  
 National Highway 543 Mandla  
 P.W.D. N.H. Div. Jabalpur (M.P.)

*[Signature]*  
**Executive Engineer**  
**P. W. D. N. H. Division**  
**JABALPUR**

*[Signature]*  
**Manager**  
 M.P. Jai Nigam Maryadit  
 Project Implementation Unit  
 Mandla (MP)



[Enclosure to Ministry of Road Transport & Highways letter No. 33044/29/2015/S&R(R) dated 22.11.2016..]

**Format for maintaining Records of Right-of-way permission granted for laying OFC**

(To be maintained separately for every NH and state)

1. Name of state : Madhya Pradesh
2. Name of agency(MoRTH) : NHAI
3. NH Number : NH-543

S.NO	Location (chainage in Km)			Left or right side of NH (towards increasing chainage/Km direction)	Section and reach	Kind of service		Name of license and contact address	Date of signing of agreement	Date of validity of agreement	Date of last inspection on site	Any deviation from most standard norms	Remarks
	No			LHS& RHS	Saliya to Banjar tola	Water Supply		Madhya Pradesh Jal Nigam Maryadit."D" wing 2 <sup>nd</sup> Floor, VindhyanchalBha wan Bhopal 462004 Tel:0755-2579034 Fax:0755-2579873					

*[Signature]*  
Sub Engineer

*[Signature]*  
Assistant Engineer  
National Highway 543 Mandla  
P.W.D. N.H. Div. Jabalpur (M.P.)

*[Signature]*  
Executive Engineer  
P. W. D. N. H. Division  
JABALPUR

*[Signature]*  
General Manager  
M.P Jal Nigam Maryadit  
Project Implementation Unit  
Mandla (MP)

*[Signature]*  
Deputy Manager  
M.P Jal Nigam Maryadit  
Project Implementation Unit  
Mandla (MP)



Draft Agreement

Enclosure to Ministry of Road Transport & Highways letter No. 33044 29 '2015 S@R(R) dated 22.11.2016

**AGREEMENT REGARDING GRANTING OF RIGHT OF WAY PERMISSIONS FOR LAYING UTILITY SERVICES ON NATIONAL HIGHWAYS**

10+165 to 56+932  
Agreement to lay pipe line from 27.00 km +800 m to 53.00 km +800 m of NH-543 RoW land.

This agreement made this \_\_\_\_\_ day of \_\_\_\_\_ (month) \_\_\_\_\_ of (year) between acting in his executive capacity through \_\_\_\_\_ (hereinafter referred to as the " Authority " which expression shall unless excluded by or repugnant to the context, included his successors in office and assigns ) on the one part and M/S Madhya Pradesh Jal Nigam Maryadit, PIU, Jabalpur a company limited a company registered under the company Act 1956 and having its registered Office at 2nd floor, D-Wing, Vindhyaachal Bhawan,, Bhopal -462004 (hereinafter called the "Licensee") which expression shall unless excluded by repugnant to the context, include his successor/ administrator assignees at the second part.

Whereas the authority is responsible, inter-alia, for development and maintenance of lands in Km 27.800 to 53.800 of NH -543 RoW.

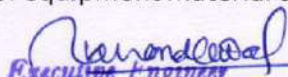
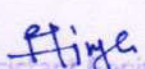
Whereas the licensee proposes to lay Drinking water pipe line /ducts etc. referred to as utility services in subsequent paras.

Whereas the licensee has applied to the authority for permission to lay utility services from KM 27.800 to 53.800 of road /route up Whereas the authority has agreed to grant such permission for way leave on the NH RoW as per terms and conditions here after mentioned.

Now this agreement witnessed that in consideration here matter conditions here matter contained and on the part of the licensee to be observed and performed, the authority here grants to license permission to lay utility services as per the approved drawing attached here to subject to the following condition, namely.

1. RoW permissions are only enabling in nature. the purpose of extending the way leave facility on the National Highways RoW is not for enhancing the scope of activity of a utility service provider, either by content or by indent. Further enforceability of the permission so granted shall be restricted only to the extent of provisions /scope of activity defined in the license agreement & for the purpose for which is granted.
2. No licensee shall claim exclusive right on the RoW and any subsequent user will be permitted to use the RoW , either above or below or by the side of the utilities land by the first user , subject to technical requirement being fulfilled . Decisions of the authority in relation to fulfillment of technical requirements shall be final and binding on all concerned parties .in case any disruption/damage is caused to any existing user by the subsequent user, the authority shall not be held accountable or liable in any manner.
3. The licensee shall be responsible for undertaking all activities including, but not limited to site identification, survey, design, engineering, arranging, finance, project management, obtaining regulatory approvals & necessary clearance, supply of equipment material construction, erection, testing

  
Deputy Manager  
M.P Jal Nigam Maryadit  
Project Implementation Unit  
Mandla (MP)

  
General Manager  
M.P Jal Nigam Maryadit  
Project Implementation Unit  
Mandla (MP)  
  
Assistant Engineer  
P. W. D. N. H. Division  
JABALPUR  
National Highway 543 Mandla



and commissioning, maintenance and operation and all other activities essential or required for efficient functioning of their own utility industrial infrastructure facilities.

4. The licensee shall pay license fees @ Rs \_\_\_\_\_-sq m month to the authority. the license fee shall payable from the date of handing over of RoW land to the licensee for laying of utilities /cables/conduits/pipelines for infrastructure service provider. as regards tariff and terms and conditions for providing common utility ducts along National Highways, there shall be a separate agreement regime.
5. Fee shall have to be paid in advance for the period for which permissions is granted for entering into a license agreement . In case of renewal rate prevailing at the time of renewal shall be charged. Delay in deposition of fee shall attract interests @ 15% per annum compounded annually.
6. Present policy of the MoRT&H is to provide 2.00 m wide utility corridor on either side of the extreme edge of RoW . In case where utility ducts subject to technical requirements being fulfilled.
7. The utility services shall be laid at the edge of RoW . In case of restricted width of RoW , which may be adequate only to accommodate the carriageway, central verge, shoulders, slope of embankment, drains, other road side furniture etc. the utility services shall be laid beyond the toe line of the embankment and clear of the drain .
8. The licensee shall make his own arrangement for crossing of cross drainage structure ,rivers, etc below the bed . In case this is not feasible the utility services may be carried outside the railings/parapets and the bridge superstructure. The fixing and supporting arrangement with all details shall be required to be approved in advance from the concerned highway administration additional cost on pigment of fixing and supporting arrangement as assessed by authority shall be payable by the licensee.
9. In exceptional cases, where RoW is restricted the utility services can be allowed beneath the carriageway of service road, if available, 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 ducts shall not be less than one lane. In such cases, it also needs to ensure 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
10. It is to be ensure 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 meter below the ground level. However, any structure above ground shall be aesthetically.
11. The utility services shall be permitted to cross the National Highways either through structure or conduits pipe should as minimum extend from drain in cuts and toe of slope in the fills and shall and shall be designed in accordance with the provision of IRC and executed following the specification of the ministry
12. Existing drainage structure shall not be allowed to carry the lines across
13. The top the casting/conduits pipe containing the utility services to cross the road shall be at least 1.2m below the drain inverts. A typical sketch showing the clearance is given Attachment-I
14. The utility services shall cross the National Highways preferable on a line normal to it or as nearly so as practicable.

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Sub

Assistant Engineer

Deputy Manager

M.P Jai Nigam Maryadit

National Highway 543 Mandla

P.W.D. N.H. Div. Jabalpur (M.P.)

Mandla (MP)

Executive Engineer

P. W. D. N. H. Division

JABALPUR

General Manager

M.P Jai Nigam Maryadit

Project Implementation Unit

Mandla (MP)



15. The casing/conduit pipe for crossing the road may be installed under the road embankment either by boring or digging a trench. installation by boring method shall be preferred.
16. In case of trenching, the sides of the trench should be as nearly vertical as possible. The trench width should be at least 20 cm but not more than 60 cm wider than the outer diameter of the pipe. Filling of the trench shall conform to the specification contained here- in-below or as supplied by the Highway Authority.
  - a. Bedding shall be to a depth not less than 30cm 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.
  - b. The backfilling 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
  - c. The side fill shall consist of granular materials laid in 15cm layers each consolidated by mechanical tamping and controlled addition of moisture 95% of the Proctor's density overfill shall be compacted to the same density as the materials that had been removed. Consolidation by saturation or ponding will not be permitted.
  - d. The road crust shall be built to the same strength as the existing crust on either side of the trench or to thickness and specification stipulated by the Highway Authority.
17. The licensee shall ensure making good the excavated trench for laying utility services by proper filling and compaction so as to restore the land to the same condition as it was before digging the trench, clearing debris/loose earth produced due to execution of the trenching at least 50m away from the edge of the right of way.
18. All required restoration work on the subsequent to laying of the cable shall be required to be undertaken by the licensee at its cost earlier by itself or through its authorized representative in consultation with the authority as per predetermined time schedule and quality standards.
19. Prior to commencement of any work on the ground, a performance Bank Guarantee @ Rs per route meter Rs 250 per sq. m with a validity of one year initially (extendable if required till satisfactory completion of work) shall have to be furnished by the licensee to the Authority its designated agency as a security against improper restoration of ground in terms of filling unsatisfactory compaction damages caused to other underground installations utility services & interference interruption disruption of failure caused there of any services etc.in case of the Licensee failing 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 recovers the amount by forfeiture of the Bank Guarantee.
20. 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. In case the work contemplated herein is not completed to the satisfaction of the Authority which has granted the permission, within a period of 11 months from the date of issue of Bank Guarantee the Licensee shall either furnish a fresh guarantee or extend the guarantee for a further period of one year Notwithstanding this, the Licensee shall be liable to any full compensation to the aggrieved Authority its designated agency for any damage sustained by them by reason of the exercise of the ROW facility.
21. The Licensee shall shift the utility services within 90days (or as specified by the respective Authority) from the date of issue of the notice by the concerned Authority to shift the utility services, in case it is so required for the

*Astone*  
Subs

*Pring*  
Associate Engineer

National Highway 543 Mandla  
W.D. N.H. Div. Jabalpur (M.P.)

*Deputy Manager*  
M.P. Jai Ram Maryadit  
Project Implementation Unit  
Mandla (MP)

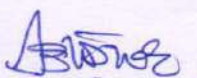
*Phandera*  
Executive Engineer  
P. W. D. N. H. Division  
JABALPUR

*General Manager*  
M.P. Jai Ram Maryadit  
Project Implementation Unit  
Mandla (MP)

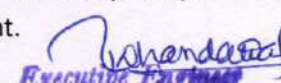


purpose of improvement/widening of the road/rout highway of construction of flyover/bridge and restore the road/land to its original condition at his own cost and risk.

22. The Licensee shall be responsible to ascertain from the respective agency in co-ordination with Authority, regarding the location of other utilities /underground installations facilities etc. the licensee shall ensure the safety and security of already existing underground installation/utilities/facilities etc. before commencement of the excavation using the existing cable ducts. The licensee shall procure insurance company against damages to already existing underground installations/utilities/facilities etc.
23. The licensee shall be solely responsible/liable for full compensation/indemnification of concerned agency aggrieved Authority for any direct, indirect or consequential damage caused to them claims or replacements sought for, at cost and risk of the licensee. The concerned agency in co-ordination with authority shall also have a right make good such damages recover the claims by forfeiture of bank guarantee.
24. If the licensee fails to comply with any condition to the satisfaction of authority the same shall be executed by the authority at the cost and risk at the licensee.
25. Grant of licensee is subject to the licensee satisfying (a) minimum disruption of traffic and (b) no damages to the highways. As far as possible, the licensee should avoid cutting of the road for crossing highway and other road try to carry out the work by trenchless technology. In case of damage is caused to the road pavement in this process, the licensee will be required to restore the road to the original condition at its cost. If due to unavoidable reasons the roads need to be cut for crossing or laying utility services, the licensee has to execute the restoration work in a time bound manner at its cost either by itself or through its authorized representative in consultation with the authority as per predetermined time schedule and quality standard. In case of the Licensee failings to discharge the obligation of making good of the excavated trench/other restoration work, at the cost of the licensee and recover the amount by forfeiture of the work guarantee.
26. The Licensee shall inform/give a notice to the concerned agency designated by the Authority at least 15 days in advance with route details prior to digging trenches, for fresh or maintenance/repair work shall have to be furnished by the Licensee for fresh or maintenance repair works. A separate performance Bank Guarantee for maintenance/repair works shall to be furnished by the Licensee.
27. The Licensee shall inform/give a notice to the concerned agency designated by the Authority at least 15 days in advance with route details prior to digging trenches, for fresh or maintenance/repair work shall have to be furnished by the Licensee for fresh or maintenance repair works. A separate performance Bank Guarantee for maintenance/repair works shall to be furnished by the Licensee.
28. The licensee shall indemnify the concerned agency in co-ordination with Authority, against all damages and claims, if any due to the digging of trenches for laying cables ducts.
29. The permission for laying utility services is granted maximum for 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 renewal shall be charged. Delay in deposition of fee shall attract interest @ 15% per annum compounded annually.
30. The permission for laying utility services is granted maximum for 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 renewal shall be charged. Delay in deposition of fee shall attract interest @ 15% per annum compounded annually.
31. That the Licensee shall not undertake any work of shifting repairs of alternations to the utility services without prior written permission of the concerned agency in co-ordination with the Authority.
32. The permission granted shall not in any way be deemed to convey to the Licensee any ownership or interest in route road highways land property, other than what is herein expressly of use of NH ROW will be permitted for any purpose other than that specified in the Agreement.

  
Sub Engineer

  
Assistant Engineer  
National Highway 543 Mandla  
P.W.D. N.H. Div. Jabalpur (M.P.)

  
Executive Engineer  
P. W. D. N. H. Division  
JABALPUR  
Deputy Manager  
M.P. Jai Nigam Maryadit  
Project Implementation Unit  
Mandla (MP)

  
General Manager  
M.P. Jai Nigam Maryadit  
Project Implementation Unit  
Mandla (MP)



33. During the subsistence of this Agreement the utility services located in highway land/property shall be deemed to have been constructed and continued only by the consent and permission of the Authority so that the right of the Licensee to the use thereof shall become absolute and indefeasible by lapse of time.
34. The licensee shall bear the Stamp Duty charged on this Agreement.
35. Three copies of as laid drawings of utilities (hard and soft copies) with geotagged photographs and geo-tagged video recordings of laying of pipes in the trench (with respect to the NH) and after completed restoration shall be submitted to the Authority for verification and record within a month of completion of works.
36. The licensee shall allow free access to the site at all times to the authorized representatives of Authority to inspect the Project facilities and to investigate any matter within their Authority and upon reasonable notice, shall provide reasonable assistance necessary to carry out their respective duties and functions.
37. The utility services shall not be made operational by the Licensee unless a completion certificate to the effect that the utility services have been laid in accordance with the approved specifications and drawings and the trenches have been filled up to the satisfaction of the concerned agency in co-ordination with the Authority has been obtained. Notwithstanding anything contained herein, this Agreement may be cancelled at any time by Authority for breach of any condition of the same and the Licensee shall neither be entitled to any compensation for any loss caused to it by such cancellation nor shall it be absolved from any liability already incurred.
38. The Licensee shall ensure adherence to relevant Indian standards and follow best industry practices, methods and standard for the purpose of ensuring the safe, efficient and economic design, construction, commissioning, operation, repair and maintenance of any part of the utility lines/industrial infrastructure facilities and which practice, methods and standards shall be adjusted as necessary, to take account of:
  - a) Operation, repair and maintenance guidelines given by the manufacturers.
  - b) The requirements of Law.
  - c) The physical condition at the site and
  - d) The safety of operating personnel and human beings.
39. The licensee shall have to provide safety measures like barricading, danger lighting and other necessary caution boards while executing the work.
40. While laying utility services, at least one lane of road shall be kept open to traffic at all times. In case of single lane roads, a diversion shall be constructed. If any traffic diversion works are found necessary during the working period such diversion shall be provided at the cost of Licensee.
41. After the termination/expiry of the agreement, the Licensee shall remove the utility services within 90 days and the site shall be brought back to the original condition failing which the Licensee will lose the right to remove the utility services. However before taking up the work of removal of utility services the Licensee shall furnish a Bank Guarantee to the security for making good the excavated trench by proper filling and compaction, clearing debris, loose earth produced due to excavated of trenching at least 50m away from the edge of the Row.
42. Any disputes in interpretation of the terms and conditions of this Agreement or their implementation shall be referred to the redress mechanism prevailing in the Ministry and the decision of the redress mechanism shall be final and binding on all.
43. For PPP Projects, in case of any financial loss incurred by the respective project concessionaires due to such laying/shifting of utility services by the Licensee compensation for the same shall be to be required to be borne by the Licensee in mutual agreement with the respective project.

*[Signature]*  
Sub Engineer

*[Signature]*  
Assistant Engineer  
National Highway 543 Mandla  
P.W.D. N.H. Div. Jabalpur (M.P.)

*[Signature]*  
Deputy Manager  
M.P. Jal Nigam Maryadit  
Project Implementation Unit  
Mandla (MP)

*[Signature]*  
Executive Engineer  
P. W. D. N. H. Division  
JABALPUR

*[Signature]*  
General Manager  
M.P. Jal Nigam Maryadit  
Project Implementation Unit  
Mandla (MP)

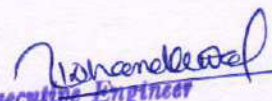


concessionaires. MoRT&H NHAI implementing authorities for the project shall not be liable to the concessionaires in any way in this regards.


This agreement has been made in duplicate, each on a stamp paper, each party to this Agreement has retained one stamped copy each.

IN WITNESS EHEREOF THE PARTIES HERETO HAVE CAUSED THIS AGREEMENT TOBE EXECUTED THROUGH THEIR RESPECTIVE AUTHORISED REPERESENTATIVESTHE DAY AND THE YEAR FIRST ABOVE WRITTEN

SIGNED SEALED AND DELIVERED FOR AND ON BEHALF OF AUTHORITY BY  
SHRI \_\_\_\_\_

  
Executive Engineer  
P.W.D. N. H. Division  
JABALPUR

SIGNED ON BEHALF OF  
M/S \_\_\_\_\_ (LICENSEE)

BY SHRI \_\_\_\_\_  
  
General Manager  
M.P Jal Nigam Maryadit  
Project Implementation Unit  
Mandla (MP)

(Signature, name & address with stamp)

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# MoRTH Utility Portal

Ministry of Road Transport & Highways, Government of India

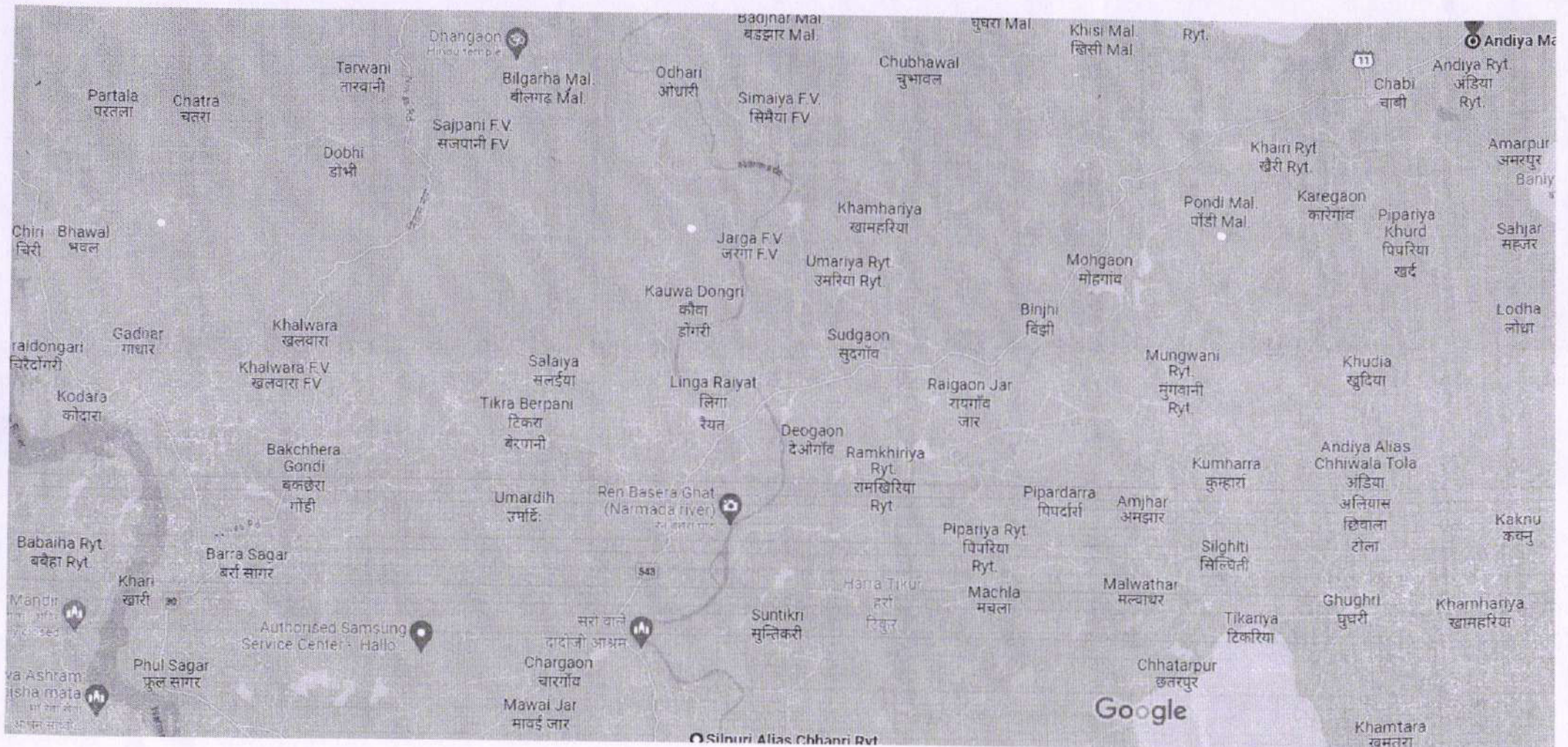
HOME NOC Applications Applications Add New Application View Manual OTHERS Log Off

## My Applications

Sno	Application Ref. No	State/District/Highway	Application Category/items (Click on Category Name to Add/Edit Locations)	Stage	Ap Act
1	20230421/1/5/19119/2650 [New]	MADHYA PRADESH MANDLA NH543 [NH543]	<ul style="list-style-type: none"><li>Public Utility [Pipes]<ul style="list-style-type: none"><li>Details</li><li>Fee</li></ul></li></ul>	Application Submitted on: 21/04/2023	—
2	20230415/1/5/19119/2561 [New]	MADHYA PRADESH MANDLA NH30 [NH30]	<ul style="list-style-type: none"><li>Public Utility [Pipes]<ul style="list-style-type: none"><li>Details</li><li>Fee</li></ul></li></ul>	Application Submitted on: 18/04/2023	—



# Google Maps Silpuri Alias Chhapri Ryt., Madhya Pradesh to Andiya Mal., Madhya Pradesh 481672



Map data ©2023 2 km

Sorry, we could not calculate directions from "Silpuri Alias Chhapri Ryt., Madhya Pradesh" to "Andiya Mal., Madhya Pradesh 481672"