



No. RW/BHP/MP/waterpipeline(160)/2023-24

1945

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

2nd Floor, Nirman Bhawan, Arera Hills, Bhopal-462011
PH: 0755-2551329, 0755-2571467, Email ID: ro.bpl-morth@gov.in

Date: 20.12.2023

Invitation of Public Comments

Subject: Proposal for Right of Way permission of crossing of 2900 mm, 2200 mm, 315 mm & 280 mm dia water pipe line across NH-934 Bina-Sagar road at Banhat km. 121/4, Silodha km. 128/10, Jarwas (Khurai bypass) km. 130/2 & 132/6 villages, tehsil-Khurai, Dist. Sagar, under Bina Complex Irrigation and Multipurpose Project in the state of Madhya Pradesh

CE(NH), MPPWD, Bhopal vide letter Bhopal Memo no. N.H/R/Bina Complex irrigation/2023/990 dated 14.12.2023 forwarded therewith a proposal in this office for Permission for laying water pipeline on NH-934 Bina-Sagar road at Banhat km. 121/4, Silodha km. 128/10, Jarwas (Khurai bypass) km. 130/2 & 132/6 villages, tehsil-Khurai, Dist. Sagar, under Bina Complex Irrigation and Multipurpose Project in the state of Madhya Pradesh.

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. – 232275)

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 Division Sagar-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 **Pariyojna Prashashak, Betwa PIU, No.-2 WRD, Sagar** - 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 CE (NH), MPPWD, Bhopal. BG should be in favour of MPPWD (as per prevailing procedure in MPPWD) and to be submitted to EE(NH), MPPWD Division Sagar.



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 2nd FLOOR, BHOPAL M.P.

Email : cepwdnhzonempbhopal@gmail.com ,

Phone/ Fax -0755 -2551570

Memo no. N.H/R/ Bina Complex Irrigation /2023 /990 Bhopal, Date 15/12/2023

To,

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

Sub : - Proposal for Right of Way regarding Permission of crossing of 2900 mm, 2200mm, 315mm & 280mm dia water pipe line across NH-934 {26A} Bina – Sagar road at Banhat km. 121/4, Silodha km. 128/10, Jarwas (Khurai bypass) km.130/2 & 132/6 Villages, tehsil-Khurai, Dist. Sagar, under **Bina Complex Irrigation and Multipurpose Project**.

Ref :- EE, PWD, NH Division Sagar memo no. 2972/Work/2023-24 Dated 13.12.2023.

Please refer to the memo cited under reference vide which the subjected proposal was submitted by EE, PWD, NH Division Sagar vide their memo dated 13.12.2023 regarding Permission of crossing of 2900 mm, 2200mm, 315mm & 280mm dia water pipe line across NH-934 {26A} Bina – Sagar road at Banhat km. 121/4, Silodha km. 128/10, Jarwas (Khurai bypass) km.130/2 & 132/6 Villages, tehsil-Khurai, Dist. Sagar, under **Bina Complex Irrigation and Multipurpose Project** alongwith necessary documents.

FDR of Rs. 44,400/- (FDR no. 446695 dated 23.11.2023 valid upto 12 months {Canara Bank}, is also deposited in favour of Executive Engineer, PWD NH Division Sagar and license / lease rent of Rs. 56,371/- deposited on NTRP Portal on dated 07.11.2023 (Bharatkosh. Gov. in by Ref. no. 0711230003492).

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

Encl: As above

Approved by Chief Engineer (NHs)

28.12.2023
SUPERINTENDING ENGINEER
OFFICE OF THE CHIEF ENGINEER
NATIONAL HIGHWAY ZONE
M.P.P.W.D BHOPAL

Endt. No. N.H/R/ Bina Complex Irrigation /2023

Bhopal, Date /12/2023

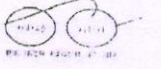
Copy is forwarded to,

1. The Executive Engineer, NH PWD Division Sagar for information.
2. The Project Administrator , Betwa, PIU -02 Water resources department, Rahatgarh Distt. Sagar for information.

Sd/-
SUPERINTENDING ENGINEER
OFFICE OF THE CHIEF ENGINEER
NATIONAL HIGHWAY ZONE
M.P.P.W.D BHOPAL



कार्यालय कार्यपालन यंत्री लोक निर्माण विभाग राष्ट्रीय राजमार्ग
(पुरानी तहसीली के पास) संभाग सागर (म.प्र.)



Email:- eepwdnhsagar768@gmail.com Phone No:- 07582- 222206 Fax No. - 07582-222206

पत्र क्रमांक 2072/कार्य/2023-24,
प्रति,

सागर दिनांक 13/12/2023

मुख्य अभियंता,
लोक निर्माण विभाग रा.रा.परिक्षेत्र
"निर्माण भवन" द्वितीय तल प्लॉट नं. 27-28
अरेरा हिल्स, भोपाल (म.प्र.)

- विषय:- बीना सिंचाई परियोजना अंतर्गत प्रेशराइज्ड पाइप द्वारा सूक्ष्म सिंचाई प्रणाली के निर्माण कार्य हेतु रोड के नीचे पाइप लाईन डालने की अनुमति बावत।
- संदर्भ :- 1-परियोजना प्रशासक, बेतवा परियोजना क्रियान्वयन इकाई (वीपीआईयू-2) क्र. -02 जल संसाधन विभाग राहतगढ़ जिला सागर का पत्र क्र 1507/कार्य/2023-24, राहतगढ़, दि 11.09.2023
2-अनुविभागीय अधिकारी, लो.नि.वि.रा.उपसंभाग सागर का पत्र क्रमांक 801/कार्य/ 2023-24 सागर, दिनांक 10.10.2023

उपरोक्त विषयान्तर्गत लेख है कि राष्ट्रीय राजमार्ग क्रमांक 934 (सागर-खुरई-बीना मार्ग) बीना सिंचाई परियोजना अंतर्गत प्रेशराइज्ड पाइप द्वारा सूक्ष्म सिंचाई प्रणाली के निर्माण हेतु एन.एच. 934 (पुराना रा.रा. क्र. 26ए) पाइप लाईन डालने का कार्य किया जाना है। जिसमें उक्त परियोजना प्रशासक, बेतवा परियोजना क्रियान्वयन इकाई (वीपीआईयू-2) द्वारा लायसेंस शुल्क रु. 56,371.00 भारत कोष में Transaction Ref. No. 0711230003492 द्वारा दिनांक 07.11.2023 में जमा किया गया एवं केनरा बैंक मकरोनिया जिला सागर द्वारा जारी एफ.डी.आर क्र 446695 राशि रु. 44,400.00 दिनांक 23.11.2023 की, कार्यपालन यंत्री, लोक निर्माण विभाग रा.रा.संभाग सागर के नाम पर जमा की गई। (छायाप्रति संलग्न) उक्त प्रकरण आवश्यक कार्यवाही हेतु आपकी ओर प्रेषित है।

सहपत्र :- उपरोक्तानुसार
03 नग फाईल

(प्रकाश व्यास)
कार्यपालन यंत्री
लो.नि.वि.रा.रा.संभाग सागर
सागर दिनांक . . . 2023

पृ. क्रमांक/कार्य/2023-24,
प्रतिलिपि:-

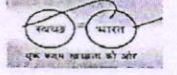
- 1- परियोजना प्रशासक, बेतवा परियोजना क्रियान्वयन इकाई (वीपीआईयू-2) क्रमांक -02 राहतगढ़ जिला सागर की ओर सूचनार्थ प्रेषित।
2- अनुविभागीय अधिकारी, लोक निर्माण विभाग रा.रा.उपसंभाग सागर की ओर सूचनार्थ प्रेषित।

सहपत्र :- शून्य

(प्रकाश व्यास)
कार्यपालन यंत्री
लो.नि.वि.रा.रा.संभाग सागर



कार्यालय कार्यपालन यंत्री लोक निर्माण विभाग राष्ट्रीय राजमार्ग
(पुरानी तहसीली के पास) संभाग सागर (म.प्र.)



email:- eepwdnhsagar768@gmail.com Phone No:- 07582- 222206 Fax No. - 07582-222206

पत्र क्रमांक 2609.../कार्य/2023-24
प्रति,

सागर दिनांक 12/10/2023

परियोजना प्रशासक,
बेतवा परियोजना क्रियान्वयन इकाई (बीपीआईयू-2)
क्रमांक 2 राहतगढ़, जिला सागर (म.प्र.)
Email id- betwapiu2@gmail.com

विषय :- बीना सिंचाई परियोजना अंतर्गत प्रेशराइज्ड पाइप द्वारा सूक्ष्म सिंचाई प्रणाली के निर्माण कार्य हेतु रोड के नीचे पाइप लाईन डालने की अनुमति बावत।

संदर्भ :- 1-आपका पत्र 1507/कार्य/2023-24 राहतगढ़ दिनांक 11.09.2023
2-अनु.अधि.लो.नि.वि.रा.उपसंभाग सागर का पत्र.क्र. 801/कार्य/2023-24 सागर दिनांक 10.10.2023

उपरोक्त विषयान्तर्गत लेख है कि राष्ट्रीय राजमार्ग क्रमांक 934 सागर-बीना मार्ग पर बीना सिंचाई परियोजना अंतर्गत प्रेशराइज्ड पाइप द्वारा सूक्ष्म सिंचाई प्रणाली के निर्माण कार्य हेतु रोड के नीचे पाइप लाईन डालने की अनुमति चाही गई है। जिसमें संदर्भ क्रमांक 02 के द्वारा बैंक गारंटी एवं लायसेंस फीस की गणना कर प्रकरण अधोहस्ताक्षरकर्ता कार्यालय में प्रस्तुत किया गया है।

अतः आप राष्ट्रीय राजमार्ग क्रमांक 934 सागर-बीना मार्ग पर बीना सिंचाई परियोजना अंतर्गत प्रेशराइज्ड पाइप द्वारा सूक्ष्म सिंचाई प्रणाली के निर्माण कार्य हेतु रोड के नीचे पाइप लाईन डालने हेतु राशि रु. 44,400.00 की परफारमेंस बैंक गारंटी, नियमानुसार तैयार कराकर अधोहस्ताक्षरकर्ता के कार्यालय में अग्रिम जमा करने का कष्ट करें एवं लायसेंस फीस राशि रु. 56371.00 मुख्य अभियंता, क्षेत्रीय अधिकारी, भूतल परिवहन मंत्रालय एवं राजमार्ग भोपाल में जमा करावें। जिससे उक्त कार्य हेतु प्रकरण वरिष्ठ कार्यालय भोपाल को प्रेषित किया जाकर, उक्त मार्ग पर पाइप लाईन डालने हेतु कार्य की विधिवत् अनुमति वरिष्ठ कार्यालय भोपाल से प्राप्त की जा सके।

सहपत्र :- उपरोक्तानुसार

(पंकज व्यास)

कार्यपालन यंत्री

लो.नि.वि.रा.संभाग सागर
सागर दिनांक 12/10/2023

पृ. क्रमांक 2610.../कार्य/2023-24
प्रतिलिपि :-

1- मुख्य अभियंता, लोक निर्माण विभाग रा.रा.परिक्षेत्र "निर्माण भवन" द्वितीय तल प्लॉट नं. 27-28 अरेरा हिल्स, भोपाल की ओर सूचनार्थ प्रेषित।

2- अनुविभागीय अधिकारी, लोक निर्माण विभाग रा.रा.उपसंभाग सागर की ओर सूचनार्थ प्रेषित।

सहपत्र :- शून्य

कार्यपालन यंत्री

लो.नि.वि.रा.संभाग सागर

Received
Patel
Rohd Singh Patel
9993275822

कार्यालय परियोजना प्रशासक,

बेतवा परियोजना क्रियान्वयन इकाई (बीपीआईयू-2). क्रमांक-2 जल संसाधन विभाग,

राहतगढ़, जिला सागर (म.प्र.) E-Mail- betwapiu2@gmail.com

पत्र क्रमांक/507/कार्य / 2023-24

राहतगढ़ दिनांक 11/09/2023

प्रति,

कार्यपालन यंत्री,

लोक निर्माण विभाग

राष्ट्रीय राजमार्ग संभाग सागर (म.प्र.)

विषय:-

बीना सिंचाई परियोजना अन्तर्गत प्रेशराइज्ड पाइप द्वारा सूक्ष्म सिंचाई प्रणाली के निर्माण कार्य हेतु रोड के नीचे पाइप लाइन डालने की अनुमति बावत् ।

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उपरोक्त विषयांतर्गत बीना सिंचाई परियोजना अन्तर्गत प्रेशराइज्ड पाइप द्वारा सूक्ष्म सिंचाई प्रणाली का निर्माण कार्य प्रगति पर है जिसके अन्तर्गत जून 2025 तक 90000 हेक्टे. सिंचाई किये जाने का लक्ष्य निर्धारित है। उक्त कार्य हेतु सागर-बीना के मध्य आपके अधीनस्थ राष्ट्रीय राजमार्ग क्र. 934 में पाइप द्वारा निम्नलिखित स्थलों पर क्रास किया जाना है।

स.क्र.	विवरण
1	2200 MM. Dia MS Pipe राष्ट्रीय राज्यमार्ग क्र. 934 के कि.मी. 34.60 से 34.80 कि.मी. के मध्य ग्राम वनहट के पास।
2	2900 MM. Dia M.S. Pipe राष्ट्रीय राज्यमार्ग क्र. 934 के कि.मी. 27.40 से 27.60 कि.मी. के मध्य।
3	280 MM Dia HDPE Pipe राष्ट्रीय राज्यमार्ग क्र. 934 के कि.मी. 27 के पास।
4	315 MM Dia HDPE Pipe राष्ट्रीय राज्यमार्ग क्र. 934 के कि.मी. 25.20 से 25.40 कि.मी. के मध्य।

उपरोक्त कार्य Trenches method pushing of the conduit pipe while boring and pushing of the service pipe in the conduit विधि से किया जाना है। जिससे कार्य के दौरान आवांगमन में किसी प्रकार का व्यवधान नहीं होगा। तत्संबंध में ड्राइंग एवं प्रक्रिया संबंधित विवरण साथ में संलग्न कर प्रेषित है।

अतः उक्त पाइप लाइनों को क्रास करने की अनुमति प्रदान किये जाने का कष्ट करें।

संलग्न:-

उपरोक्तानुसार। (5 न.कापी संलग्न)

(आर.क. वर्मा)

परियोजना प्रशासक

बेतवा परियोजना क्रियान्वयन इकाई (बीपीआईयू-2)
क्रमांक 2 राहतगढ़, जिला सागर (म.प्र.)

राहतगढ़ दिनांक 11/09/2023

पृ. पत्र क्रमांक 1508 / कार्य / 2023-24

प्रतिलिपि-

- परियोजना संचालक महोदय, बेतवा परियोजना प्रबंधन इकाई जल संसाधन विभाग भोपाल की ओर सूचनार्थ सादर सम्प्रेषित।
- मे. मेन्टेना गजा एम.पी. जे.व्ही. हैदराबाद, (तेलगांवा) की ओर सूचनार्थ एवं आवश्यक कार्यवाही हेतु प्रेषित।

983/TIS
14/09/23

(आर.क. वर्मा)

परियोजना प्रशासक

बेतवा परियोजना क्रियान्वयन इकाई (बीपीआईयू-2)
क्रमांक 2 राहतगढ़, जिला सागर (म.प्र.)

12/09/23

कार्यालय अनुविभागीय अधिकारी लो.नि.वि. राष्ट्रीय राजमार्ग उपसंभाग सागर

sdonhsagar@gmail.com

पत्र क्र.

801/

कार्य/2023-24

सागर दिनांक 10-10-23

प्रति,

कार्यपालन यंत्री

लोक निर्माण विभाग रा.रा.

संभाग सागर

विषय:- बीना सिचाई परियोजना अंतर्गत प्रेशराईज्ड पाइप द्वारा सूक्ष्म सिचाई प्रणाली के निर्माण कार्य हेतु रोड के नीचे पाइप लाइन डालने की अनुमति बावत्।

संदर्भ:- आपका पृ.क्र. 2361/ सागर दिनांक 14-9-23/

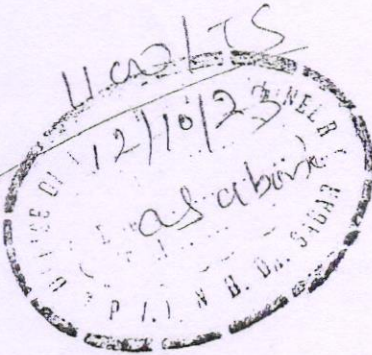
उपरोक्त विषयांतर्गत संदर्भित पत्र के तारतम्य में लेख है कि राष्ट्रीय राजमार्ग 934 सागर-बीना मार्ग पर बीना सिचाई परियोजना अंतर्गत प्रेशराईज्ड पाइप द्वारा सूक्ष्म सिचाई प्रणाली के निर्माण कार्य हेतु रोड के नीचे पाइप लाइन डालने की अनुमति चाही गई है। संबंधित विभाग द्वारा प्रस्तुत प्रकरण का अवलोकन कर एवं स्थल निरीक्षण किया गया है।

अतः प्रकरण में संलग्न गणना पत्रक अनुसार लायसेंस फीस राशि रु. 56371.00 एवं राशि रु. 44400.00 की बैंक गारंटी जमा कराने उपरांत अनुमति प्रदान करने हेतु अनुसंधान सहित आपकी ओर प्रेषित है।

सूचनार्थ एवं आवश्यक कार्यवाही हेतु संप्रेषित।

सहपत्र - उपरोक्तानुसार चार पत्र

अनुविभागीय अधिकारी
लो.नि.वि.राष्ट्रीय राजमार्ग सागर



रा बैंक

Canara Bank

डी.पी. कूट
D. P. CODE :

क्रमांक
Sl. No. 2020 NA
446695

प्राधान कार्यालय, 112, जे.सी.रोड, बेंगलूर
HEAD OFFICE : 112, J.C. ROAD, BANGALORE

जमा रसीद
Deposit Receipt

KAMADHENU DEPOSIT GENERAL

Received From **EXECUTIVE ENGINEER PUBLIC WORKS DEPARTMENT**
NATIONAL HIGHWAY DIVISION
1. Messrs. MANTENA INFRA SOL PRIVATE LIMITED
2. 286/33 D.A. MANTENAHOUSE,
3. APPARNA COLONY, RR SIDHNY LANE,
4. KHYANAPALLE, MADURAI
5. DISTRICT MADURAI
The sum of in words: **RUPEES FORTY FOUR THOUSAND FOUR**
HUNDRED ONLY
A. Amount in Rupees: ₹ 44,000.00



Branch : MAKRONIA BUJ-4730
Date of Deposit : 23.11.2023
Customer ID : 113005001
Account No : 14012320263-1
D.O.B (if minor) :
Nomination Regd : NO
Nominee ID :
Pan Number : AAHC M1493K
Nominee :
Annualised Interest : 7.03%
Yield :
Remarks :

Value Date	Deposit Amount	Deposit Period	Rate of Interest (%) p.a.	Total Interest	Maturity Date	Maturity Amount
23.11.2023	INR 44,000.00	12 Months 0 Days	6.88%	INR 3,120.00	23.11.2024	INR 47,120.00

Interest and maturity amount payable hereon are subject to TDS, as applicable from time to time. For more information on domestic deposits, please see our website <http://www.canarabank.com>

Signature
(Signature)

Signature





bharatkosh.gov.in

Government of India Receipt Portal

RECEIPT

Transaction Ref.No. 0711230003492

Dated: Nov 7 2023 10:20AM

Received from MR. PROJECT ADMINISTRATOR with Transaction
Ref.No. 0711230003492

Dated Nov 7 2023 10:20AM the sum of INR 56371 (Fifty-Six Thousand Three
Hundred Seventy-One Only) through Internet based Online payment in the
account of

License fee for laying of utility services, , Payment of Licence Fee.

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

Printed On: 07-11-2023 10:22:42

Government of India
Ministry of Road Transport and Highways
(Highway Administration Cell)

Transport Bhavan, 1, Parliament Street, New Delhi — 110 001

No. NH-36094/01/2022-S&R(P&B)

Dated: 17th April, 2023

To

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

Subject- Accommodation of Public and Industrial Utility Services along and across National Highways- Policy guidelines; Clarifications regarding OFC/Telecom cables.

Sir,

Following amendments are issued herewith with reference to Ministry's policy circular no RW/NH-33044/29/2015-S&R(R) dated 22.11.2016 regarding permission for laying of underground OFC/telecom cables in NH ROW with immediate effect:

Clause	Existing provision	Amendments
3.1	The utility services shall be permitted to cross the National Highway either through structure or conduits specially built for that purpose. The casing / conduit pipe should, as minimum, extend from drain to drain in cuts and toe of slope to toe of slope in the fills and shall be designed in accordance with the provision of IRC and executed following the Specifications of the Ministry.	The utility services shall normally be permitted to <u>cross the National Highway either through structure or conduits specially built for that purpose</u> . The casing / conduit pipe should, as minimum, extend from drain to drain in cuts and toe of slope to toe of slope in the fills and shall be designed in accordance with the provision of IRC and executed following the Specifications of the Ministry. Alternatively, for crossing of NH by pipelines for petroleum products, Horizontal Directional Drilling (HDD) method may be used

		without casing/ conduit pipe following the safety precautions and Codes as given in Annexure II.
5.	<p>Charges for granting licence for use of highway land: For the purpose of license fee/lease rentals, the utilities have been divided into two categories; i) Public utilities and b) Industrial utilities as per the details given in Annexure I.</p> <p>License Fee/lease rentals described below is for Industrial utilities. The license fee for Public utilities shall be 33% of the fee prescribed for Industrial utilities.</p>	<p>Charges for granting licence for use of highway land: For the purpose of license fee/lease rentals, the utilities have been divided into two categories; i) Public utilities and b) Industrial utilities as per the details given in Annexure I.</p>
5.1	<p>The following methodology shall be followed for license fees/lease rental determination for utility service lines other than localized infrastructure facilities like towers, repeaters and junction boxes).</p> <p>License Fees (Rs/sq m/ month) = $\frac{\text{(Utilized NH land area X Prevailing Circle Rate of land per unit area)}}{(10 \times 12)}$ where, Utilized NH land area = Outer diameter/width of the concerned utility line X length</p>	<p>License Fee for Industrial Utilities shall be equal to utilized NH land area X Prevailing Circle Rate of land per unit area X 10% per annum.</p> <p>Utilized NH land area shall include projection of utility on ground including area of support system / tower.</p> <p>License fee for total term of license (up to maximum of 5 years) shall be deposited in advance.</p>
5.2	<p>The following methodology shall be followed for license fees/lease rental determination for utility services such as towers/repeaters junction boxes etc.</p> <p>License Fees (Rs/sq m/ month) = $\frac{\text{(Utilized NH land area X Prevailing Circle Rate of land per unit area)}}{(10 \times 12)}$ where,</p>	<p>License Fee for public utility shall be equal to utilized NH land area X Prevailing Circle Rate of land per unit area X 1.5% per annum, subject to minimum of Rs. 10,000/-, with 6% annual increment.</p> <p>Utilized NH land area shall include area of support system / tower but not include projection of utility on ground.</p>

Utilized NH land area = Projection of utility on the ground including area of support system/tower.	There shall be no license fee for OFC cables crossing the NH through HDD method.
However, for public utilities, area below the support system/tower shall only be charged.	License fee for total term of license (up to maximum of 5 years) shall be deposited in advance.

2. This issues with the approval of competent authority.

Yours faithfully

(Rakesh Prakash Singh)

Superintending Engineer (HA)

• Copy to:

1. AS/ JS/CEs in MoRTH
2. Director, IAHE
3. The Secretary General, Indian Roads Congress
4. Technical circular file of S&R(P&B) Section and Road Safety Engineering Cell
5. NIC-for uploading on Ministry's website under "What's new"

Copy for information to:

1. PS to Hon'ble Minister (RT&H)/ PS to Hon'ble MOS (RT&H)
2. Sr. PPS to Secretary (RT&H)/ Sr. PPS to AS(H)/ Sr. PPS to AS&FA
3. Sr. PPS to DG (RD) & SS/ Sr. PPS / PPS /PS to ADG-I/II/III/IV

(Rakesh Prakash Singh)

Superintending Engineer (HA)

Annexure II

A. Codes/ publications for guidance on design of Horizontal Directional Drilling crossing for Petroleum Pipelines

- a) Oil Industry Safety Directorate Code: IOSD Code-141.
- b) American Gas Association PR-227-9424 "Installation of Pipelines by Horizontal Directional Drilling an Engineering Design Guide".
- c) American Society of Civil Engineering Practice No.89 - "Pipeline Crossings Handbook".
- d) Directional Crossing Contractors Association publications "Guidelines for a Successful Directional Crossing Bid Package", "Directional Crossing Survey Standards" and "Guidelines for Successful Mid-Sized Directional Drilling Projects."

B. Safety precautions and plan to be submitted along with the proposal for HDD crossings:

- a) Before taking up the HDD work, area to be scanned by suitable methods like GPR to locate all underground utilities. Accordingly, crossing plan and profile drawings to be developed showing all pipelines, utilities, cables and structures that cross the drill path, are parallel to and within 30m of the drill path and that are within 30m of the drilling operation, including mud pits and bore pits.
- b) Damage prevention plan to reduce or avoid the likelihood of damage to adjacent underground facilities, including pipelines, utilities, cables and other subsurface structures considering the accuracy of the method in locating existing structures and in tracking the position of the pilot string during drilling. Consideration should be given to having an auxiliary location system to include manual excavation to ensure that the drilling bit or reamer is following the projected path and does not encroach upon crossing or parallel lines. The damage prevention plan should include provision for sending notification to all affected parties.
- c) Safety plan to include contingency plans in the event the drilling string impacts subsurface facilities and identify facilities and resources to be utilized in the event of an emergency or any personnel injuries. The safety plan shall be reviewed on site with all construction personnel prior to the commencement of drilling operations.
- d) Plan for containment and disposal of drilling fluids, if used.
- e) Hydrostatic test plan that should consider pretesting of the fabricating string(s) prior to installing the crossing.
- f) Testing plan be agreed upon the measures like Cathodic protection, periodic inspection be outlined and Supplementary extra thickness of pipe be ensured to compensate for corrosion.
- g) Pipeline laying agencies to submit annual certificates of inspection after laying.

cal
17/11/23



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

S&R(R) ZONE

IAHE Campus
A-5, Sector-62

Noida-201301

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

Dated: 22nd November, 2016

To,

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

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

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

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

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

2. Laying of Utility Services along the National Highways:

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

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

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

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

3. Laying of Utility Services across the National Highway:

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

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

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

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

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

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

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

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

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

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

4. Procedure for processing application for granting permission for use of highway land:

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

M. Anand Kumar

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

Utility services such as pipes etc (rate in per m)
provided in the ducts already provided

Rs 50

< 300 mm dia/width

Rs 100

> 300 mm dia/width but < 1000 mm

Rs 250

> 1000 mm

Rs 500

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

Rs 100

In case the Licensee fails to discharge the obligation of making good of the excavated trench/other restoration work, the Authority shall have a right to make good the damages caused by excavation, at the cost of the Licensee and recover the amount by forfeiture of the Bank Guarantee. In case, the Performance Bank Guarantee is invoked as mentioned above, the Licensee shall be required to replenish and reinstate the required Performance Bank Guarantee within one month of such invoking. Notwithstanding this, the Licensee shall be liable to pay full compensation to the aggrieved Authority/ its designated agency for any damage sustained by them by reason of the exercise of the RoW facility.

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

Encls: As above.

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

Copy to:

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

Copy for kind information to:

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

Attachment - I

Enclosure to Ministry of Road Transport & Highways letter No RW/WH-33411,
29/2/2014 (2014) dated 22.11.16.

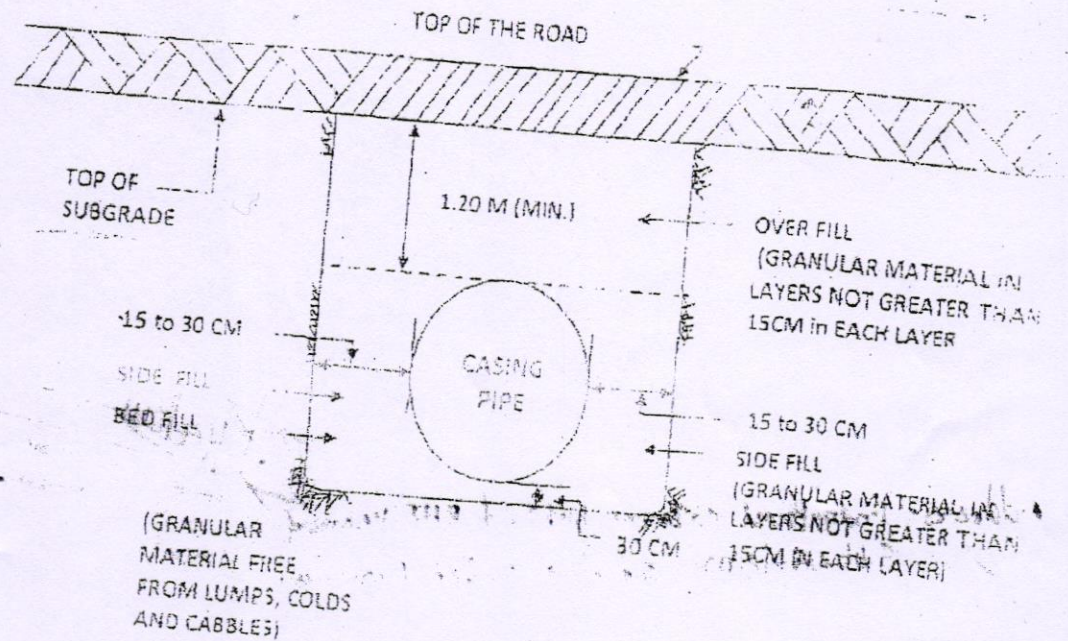


Figure not to scale

FIGURE-1 INSTALLATION OF CASING PIPE FOR CROSSING THE ROAD

Brief Description of the Project

Government of Madhya Pradesh, Water Resource Department is developing Micro irrigation system for supply of water to the farmers under micro irrigation scheme through pipelines from the water resources available from the dams to cover the entire agricultural lands of Madhya Pradesh under different schemes.

As part of the above initiative, Micro Irrigation system under Bina Micro Irrigation project Phase-2 is being implemented for providing pressurized pipe irrigation system to supply water through the Rising/Gravity mains for the Farm lands in the villages of Khurai, Bina & Malthone Tehsil.

The water is delivered to the farmers field upto 01 ha with a duty of 0.35 lit/sec/ha and maintained up to 30 hectare chalk, covering a Culturable command area of 75763 hectare benefiting about 211 villages in the Khurai , Bina & Malthone Teshil, Sagar Dist, Madhya Pradesh.

The water from the chakarapur dam is being lifted by the Pumps and supplied to the 211 villages farm land under pressurized system through the pipelines.

At Chakarpur dam, a pump house is constructed and the pipe network is being laid to the 211 villages farm lands.

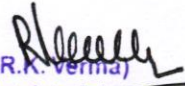
The total network of the piping is about 1411 kilometers.

Out of this 1411 KM of pipeline network, 2900mm, 2200mm dia MS Pipe & 315mm , 280mm dia HDPE Pipe are crossing at 4 locations of Sagar- Bina Section of National Highway No.934 at following Locations

1. Near Banhat Village at a distance of 35 Km to Bina
2. Near Silodha Village at a distance of 28 KM to Bina
3. Near Jarwans village at 2 locations a distance of 27Km and 25 KM to Bina(Khurai Bypass)

Hirapur-Bina National Highway to continue the network and to supply water to agriculture lands of the villages towards North side of the Highway.

It is proposed to Lay the pipeline across the Highway through trenchless method without disturbing the top of road and the traffic movement.


(R.K. Verma)
Project Administrator
Betwa Project Implementation Unit No.2
Rahatgarh, Distt. Sagar (M P)

Procedure / Process for Installation of the pipeline across the Highway

The Proposed Pipe line to be laid across the Highway will be laid by Trenchless technology. No trench or road will be excavated for placing the pipe across the road. The pipe will be placed beneath the road without disturbing the road surface or the traffic Movement. The traffic movement will not be disturbed even when pushing of the pipe work is going on beneath the road.

To avoid direct load on the Carrier Pipe, a casing pipe of higher diameter will be used as casing pipe and this casing pipe will be pushed first beneath the road and then the Service pipe will be installed in the casing pipe.

The top of the carrier pipe will be about 2.50 mtr below the top of the road.

The Pushing of casing Pipes under the road will be done through Hydraulic Jacks and digging and removing the earth manually.

For this activity, a pit of 8 mtr length X 6 mtr width will be excavated upto the required depth where the carrier pipe pushing to be done.

For Pushing of Casing Pipes, A pit of dimension 8 mtr X 6 mtr to be excavated on one side of the road at the Pushing location. The casing pipe to be pushed is positioned on the frame and tightened to the pushing surface with the Hydraulic Jacks.

The Hydraulic Jacks of 400 tons capacity will be pressurized Hydraulically and the earth from the inside of the pipe will be digged manually to enabling to move the casing pipe slowly beneath the road until the casing pipe is passed to other side of the road.

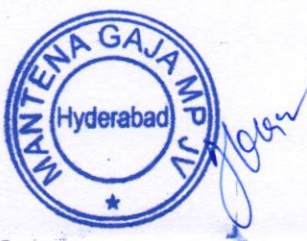
Following Equipment are used for carrying of above work

1. Hydra/ Crane - for Lowering of the casing Pipes
2. Back hoe Loader- for Pit Excavation and Back filling
3. 9KVA DG set- for Lighting and for Hydraulic Motor
4. Hydraulic Jacks of 400 tons capacity –Motor Operated
5. Manual tools like, crowbar, Spades, bins for digging and removal of the earth while pushing.

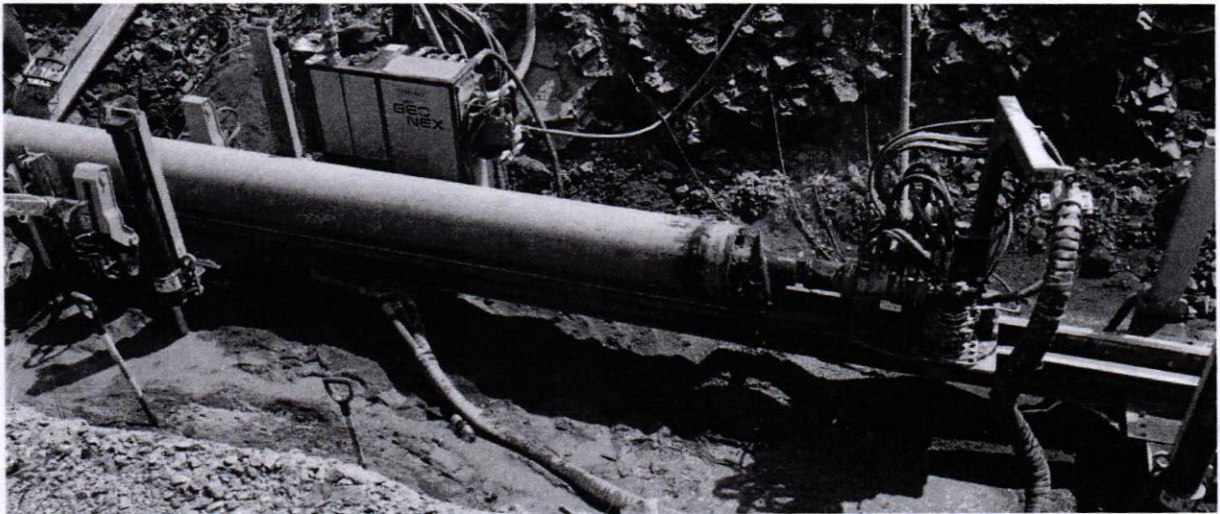
All Safety measures will be taken while executing the work.

Sign Boards Shall be provided with captions indicating **"Work in progress-GO Slow"**

Barricading the area



For Lower Diameter Pipes less than 0.5 m, The horizontal drilling is done by Auger boring, which is a trenchless method that uses a rotating auger with cutting head attachment for excavation. Immediately trailing the cutting head is a steel/NP4 casing that simultaneously advances the cutting head and lines the excavated hole. This steel/NP4 casing is pushed/jacked forward using a motor mounted on a set of rails. Because the steel/NP4 casing is both bored and jacked, this method is sometimes called the "bore and jack" method. Bore and jack is a method that is used at or above the groundwater level and for installation lengths that are typically less than 100 m.



Typical Auger Boring Field Set-Up

A Insertion Pit of size 4 mtrs width X 14 mtr length X 4 mtr depth is excavated on one side of the road in order to accommodate the auger boring machine, the length of casing, and augers used. The horizontal boring equipment is placed on the rails in the insertion pit in the direction that the pipe is to be installed along with the casing pipe to be pushed. A receiving pit is excavated at other end of the road with the dimensions of 3 mtr width X 4 mtr depth till which the drilling will be done below the road.



Check List

Guidelines for Project Directors for processing the proposal for laying water pipeline in the land along /across NH/SH/MDR vested with PWDNH

Relevant Circular:

Ministry Circular No. RW/NH-33044/29/2015/S&R (R) dated 22.11.2016

Check List for getting approval for laying Water Pipeline across National Highway

S. No.	Item	Information Status	Remarks
1	General Information	Permission for crossing of 2900mm, 2200mm, 315mm & 280mm dia water pipeline across NH 934 in Sagar Dist	
1.1	Name and address of the applicant / Agency	Office of the Project Administrator, Betwa PIU-2, Water Resource Department, Rahatgarh, Dist Sagar, Madhya Pradesh-470119	
1.2	National Highway Number	NH-934	
1.3	State	Madhya Pradesh	
1.4	Location	At Banhat, Silodha, Jarwas (Khurai By Pass) Villages, Tehsil Khurai, Dist Sagar	
1.5	(Chainages in KM)	At 34.8KM, 27.4 KM, 27.0KM 25.2KM to Bina from Sagar	
1.6	Length in Meters	8.00 mtrs	
1.7	Width of available ROW		
	(a) Left side from center line towards increasing chainage/km direction		
	(b) Right side from center line towards increasing chainage/km direction		
1.8	Proposal to lay the water pipe line		
	(a) Left side from center line towards increasing chainage/km direction	N/A	
	(b) Right side from center line towards increasing chainage/km direction	N/A	
1.9	Proposal to acquire land		
	(a) Left side from center line	Not Required	
	(b) Right side from center line	Not Required	
1.10	whether proposal is in the same side where land is not to be acquired , If not then where to lay the Pipeline	No land acquisition required (Interconnection below the road - LHS to RHS)	


1.11	Details of already laid services, if any along the proposed route.	No Services at crossing Location	
1.12	Number of lanes (2/4/6/8 lanes) existing	2 Lanes	
1.13	Proposed Number of lanes (2 lanes with paved shoulder/4/6/8 lanes)	N/A	
1.14	Service road existing or not.	Does Not Exist	
i	If yes the which side.	N/A	
	(a) Left side from center line		
	(b)Right side from center line		
1.15	Proposed Service Road.	No	
	(a) Left side from center line		
	(b)Right side from center line		
1.16	Whether proposal to lay cable is after the service road or between the service road and main carriageway.	Across Main carriageway	
1.17	The permission for laying OFC/HT cables/ water supply pipe line shall be considered for approval /rejection as based on Ministry circular Mentioned as above	For Approval	
	(i) where the ROW is more than 45m then the duct cable shall be laid at the edge of right of way withing the utility corridor of 2m width, duly keeping in view the future widening	N/A	
	(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 2m width, on that side of exising carriageway where extra land is not proposed to be acquired for 4-laning.	N/A	
	(iii) Where the widening plan for 4-laning is not yet decided and available ROW is around 30m or less, a judicious decision would need to be taken for permitting the laying of cable duct . This could be within 1.5m to 2 m of exising ROW, dyly keeping in view the possible widening plans.		


	(iv) Where ROW is restricted and adequate the carriageway, central verge, shoulders and drains (e.g. Highways in curring through hilly rolling terrain) the cable shall be laid clear of the drain.		
	(v) Where land strip for utility corridor cannot be conveniently earmarked (available ROW restricted to the toe of the emnbankment) for laying of cable/ ducts the premission may be refused.		
1.18	Number of applicants of the same stretch.		
1.19	Whether the case of multiple licenses.	No	
1.20	If so furnish a joint implement programmer to lay their respective ducts within stipulated time frame.	No	
1.21	If crossing of the road involved if yes it shall only be through trench less technology.	Pipe Line - Road Crossing shall be done by Trenchless Technology (Jack Pushing and HDD Method and conduit encasing)	
2	Documents/drawing enclosed with the proposal.	Proposed Road Crossing Drawing Enclosed	
2.1	Cross section showing the size of trench for open trenching method (is it normal size of 1.65m deep x0.5m wide)	N/A	
2.2	Cross section showing the size of pit location of pipe line for HDD method	Details shown in attached drawing	
2.3	Strip plan / Route Plan showing the OFC/ pipe line chainage, width of ROW, important mile stone, intersections, cross drainage works etc.	N/A	
2.4	Methology of laying of pipe line.		
2.4.1	Open trenching method if yes methodology of refilling of trench.	N/A	
2.4.2	Horizontal Direction Drilling (HDD) method.	Trenchless Method (Jack Pushing and HDD method)	
2.4.3	Laying OFC/ HT Cable Through CD works and method of laying (whether to be hung outside parpet)	N/A	
3	Draft license agreement signed by two witness		
4	Performance Bank Guarantee in favour of PWDNH has to be obtained	BG shall be submitted as and when Intimated by PWDNH	

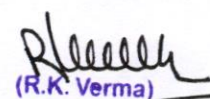
5	Affidavit/ Undertaking from the applicant for the following to be furnished	Agreed	
5.1	Not to damage to other utility, if damaged then to pay the losses either to PWDNH or to the concerned agency.	Noted	
5.2	Renewal of Bank Guarantee	Agreed	
5.3	Confirmation all standard condition of PWDNH guidelines.	Noted	
5.4	Shifting of water pipe line as and when required by PWDNH at their own cost	Noted	
5.5	Shifting of water pipeline if required due to widening of Highway.	Noted	
5.6	Indemnity against all damages and claims	Noted	
5.7	Traffic movement during laying of water pipe line to be managed by the applicant.	Noted	
5.8	If any claim is raised by the concessionaries then the same has to be paid by the applicant.	Noted	
5.9	Prior approval of the PWDNH shall be obtained before undertaking any work of installation, shifting or repairs, or alterations to the showing water Pipe line located in the National Highway right of way	Noted	
5.1	Expenditure, if any, incurred by PWDNH for repairing any damage caused to the Highway by the – laying, maintenance or shifting of the Water Pipe line will be borne by the agency owning the Line	Agreed	
5.11	If PWDNH considers it necessary in future to move the utility line for any work of improvement or repairs to the road, it will be carried out as desired by the MPRDC at the cost of the agency owning the utility line within a reasonable time (not exceeding 60 days) of the intimation given.	Agreed	
5.12	Certificate from the applicant in the following format (i) Laying of Water Pipeline will not have any deleterious effects on any of the bridge components and roadway safety for traffic.	Agreed	

5.13	(ii) for future widening "We do undertake that I will relocate service road/approach road/utilities at my own cost notwithstanding the permission granted within such time as will be stipulated by MPRDC	Agreed	
5.14	Certificate for Widening from the applicant in following format. "we do undertake that we will relocate service road/approach road/utilities at my own cost notwithstanding the permission granted within such time as will be stipulated by PWDNH for future widening per any other development"	Agreed	
6	Who will sign the agreement on behalf of Water pipe line agency	Project Administrator, Betwa PIU-2, Water Resource Department, Rahatgarh, Sagar	
7	Certificate from the project Director in the following format		
7.1	Certificate for confirming of all standard condition issued vide Ministry Circular No. RW/NH33044/27/2005/S&R(Pt.) dated 7/8/2013 & dated 22.11.2016	Agreed	
7.2	Certificate for laning from PD in the following format.		
	(a) Where feasibility is available " I do certify that there will be no hindrance to proposed widening base on the feasibility report considering proposed structure at said location.	Noted	
	(b) in case feasibility report is not available, we do certify that sufficient ROW is available at site for accommodate proposed two/four/six laning	Noted	
8	As per guidelines license fee shall be charged.	Agreed	

9	If Section proposed to be taken up NH PWD 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 water pipeline has also been granted as right to way under the concession agreement for uo-gardation of [.....Section from Km.....to km.....of NH PWD No.....on Build, Operation and Transfer Basis] " and therefore the licensee shall honor the same	Noted	
10	Who will supervise the work of laying of water pipe line.	Applicant	
11	Who will ensure that the defects in road portion after laying of Waterpipe line are corrected and if not corrected then what action will be taken. BG will encashed.	Applicant	
12	Who will pay the claims for damages done/disruption in working of Concessionaire if asked by the Concessionaire.	Applicant	
13	A certificate from PD that he will enter the proposed permission in the register of records of the permissions in the prescribed proforma (copy enclosed).	Noted	
14	If any previous approval is accorded for laying of underground Water Pipeline then Photocopy of register of records of permissions accorded as maintained by PD then copy to be enclosed	N/A	


A. K. Singh
Sub Engineer
P.W.D. M.H.
Sub Dn. Sagar


Sub Divisional Officer
PWD NH Sub Dn. Sagar


(R.K. Verma)
Project Administrator
Betwa Project Implementation Unit No.2
Rahatgarh, Distt. Sagar (M P)

Calculation Sheet for License fees required to deposit for laying of Public Utility services along and across the NH under Jurisdiction of NHAI

- 1 Name of the Project Bina Pressurised Pipeline Irrigation Project Phase-2
 2 Total Length : 128.8 mtrs
 No. of Villages/towns through utility is
 3 passing : 3
 4 Details for Calculation of License Fee

Sl no.	Utility Details	Stretch (Rural /Urban)	Village /Town & CH.	District	Length (Mtrs)	Width (Mtrs)	Area (Sq.mtrs)	Applicable Rates Rs/Sq.mtr)	Utilised NH Land area prevailing X Circle rate of land in Rs
1	MS Pipeline 2900mm di	Rural	Silodha -128/10	Sagar	24.4	4	97.6	400	39040
2	MS Pipeline 2200mm di	Rural	Banhat-121/4	Sagar	24.4	3	73.2	320	23424
3	HDPE Pipe 315mm dia	Rural	Jarwas-130/2	Sagar	40	0.5	20	450	9000
4	HDPE Pipe 280mm dia	Rural	Jarwas-132/6	Sagar	40	0.5	20	450	9000
	Total Area								80464

License Fee Calculation

Net License fee = Utilised NH land X Prevailing circle rate X 1.5% per annum	1206.96	Rs
Subject to Minimum 10,000/-	10000.00	Rs
6% annual Increment		
Fee for 1 year	10000.00	Rs
Fee for 2nd Year	10600.00	Rs
Fee for 3rd year	11236.00	Rs
Fee for 4th Year	11910.16	Rs
Fee for 5th year	12624.77	Rs
Total License fee for 5 years	56371	Rs

Performance Guarantee Calculation

Refundable Performance Guarantee required as per clause 6 of the circular F.No.RW/NH-33044/29/2015/ S&R (R)
 For > 1000 mm dia width = Rs 500/- per running meter
 For >300mm dia width and < 1000mm = Rs 250/- per running meter
 For < 300 mm dia width = Rs 100/- per running meter

Pipes above 1000mm	48.8 mtrs	48.8 X 500=	24400
Pipes in between > 300 to < 1000mm	80 mtrs	80 X 250 =	20000
Total BG Required			44400 Rs

[Signature]
 P.W.D. Sagar
 Sub Dn. Sagar

[Signature]
 (R.K. Vorma)
 Project Administration Unit No. 2
 Betwa Project Implementation
 Rahatgarh, Distt. Sagar (M.P.)

[Signature]
 10/10/23
 Sub Divisional Officer
 PWD NH Sub Dn. Sagar

क्रमांक	मोहल्ला / कालोनी / सोसायटी / सड़क / गांव	भूखंड (वर्गमीटर)			आवासीय भवन (वर्गमीटर)				व्यावसायिक भवन (वर्गमीटर)			बहुमंजिला ईमारत (वर्गमीटर)		कृषि भूमि (हेक्टेयर)		कृषि भूखंड (वर्गमीटर)	
		आवासीय	व्यावसायिक	औद्योगिक	आरसीसी	आर.बी.सी.	टिन छाया	कच्चा कबलू	दुकान	कार्यालय	गोडाउन	आवासीय	व्यावसायिक	सिंचित	असिंचित	उपबंध अनुसार आवासीय	उपबंध अनुसार व्यावसायिक
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)

तहसील : खुरई उप क्षेत्र : नान प्लानिंग क्षेत्र, संख्या और वार्ड / पटवारी हल्का: पटवारी हल्का नं०- 51

1821	वनहट मुख्य मार्ग एन.एच. को छोड़कर	2900	5800	2900	8900	6900	5700	5300	14200	13000	13000	0	0	1550000	775000	2900	5800
1822	वनहट एन.एच. पर	5000	10000	5000	11000	9000	7800	7400	18400	17200	17200	0	0	3200000	1600000	5000	10000
1823	वनहट शेष ग्राम	1500	3000	1500	7500	5500	4300	3900	11400	10200	10200	0	0	1305600	652800	1500	3000
1824	महमूदपुरा	400	800	400	6400	4400	3200	2800	9200	8000	8000	0	0	897600	448800	400	800
1825	सिमरिया चितेभान मुख्य मार्ग एन.एच. को छोड़कर	2900	5800	2900	8900	6900	5700	5300	14200	13000	13000	0	0	1320000	660000	2900	5800
1826	सिमरिया चितेभान शेष ग्राम	1500	3000	1500	7500	5500	4300	3900	11400	10200	10200	0	0	1110400	555200	1500	3000
1827	सिमरिया चितेभान एन. एच. पर	5000	10000	5000	11000	9000	7800	7400	18400	17200	17200	0	0	2800000	1400000	5000	10000

तहसील : खुरई उप क्षेत्र : नान प्लानिंग क्षेत्र, संख्या और वार्ड / पटवारी हल्का: पटवारी हल्का नं०- 52

1828	गढौला जागीर मुख्य मार्ग	2900	5800	2900	8900	6900	5700	5300	14200	13000	13000	0	0	1400000	700000	2900	5800
1829	गढौला जागीर शेष ग्राम	1500	3000	1500	7500	5500	4300	3900	11400	10200	10200	0	0	1192000	596000	1500	3000

क्रमांक	मोहल्ला / कालोनी / सोसायटी / मंडक / गांव	भूखंड (वर्गमीटर)				आवासीय भवन (वर्गमीटर)				व्यावसायिक भवन (वर्गमीटर)				वहुमंजिला ईमारत (वर्गमीटर)		कृषि भूमि (हेक्टेयर)		कृषि भूखंड (वर्गमीटर)	
		आवासीय	व्यावसायिक	औद्योगिक	आरक्षणीय	आरक्षणीय	आरक्षणीय	आरक्षणीय	आरक्षणीय	आरक्षणीय	आरक्षणीय	आरक्षणीय	आरक्षणीय	आवासीय	व्यावसायिक	सिंचित	असिंचित	उपव्यवसायिक	उपव्यवसायिक
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)		

तहसील : खुरई उप क्षेत्र : NAGAR PALIKA KHURAI, संख्या और वार्ड / पटवारी हल्का : वार्ड क्र. 13 रानी अवंतीबाई

1576	खुरई राहतगाड़ मार्ग बायपास चौराहे से जरबास रोड दोनो ओर	6000	12000	6000	16000	11600	10000	8800	24700	23100	23100	0	0	4500000	2500000	6000	12000		
1577	रंगुवां की सीमा से बायपास तिराहा होते हुए जरबास बायपास चौराहे तक एन एच	6000	12000	6000	16000	11600	10000	8800	24700	23100	23100	0	0	6000000	4000000	6000	12000		
1578	शेन वार्ड	3000	6000	3000	13000	8600	7000	5800	18700	17100	17100	0	0	4000000	2500000	3000	6000		

तहसील : खुरई उप क्षेत्र : NAGAR PALIKA KHURAI, संख्या और वार्ड / पटवारी हल्का : वार्ड क्र. 14 श्यामाप्रसाद मुखर्जी

1579	बालाजीपुरम कालोनी	4400	8800	4400	14400	10000	8400	7200	21700	20100	20100	0	0	6000000	4000000	4400	8800		
1580	बालाजीपुरम से जरबास चौराहा होते हुए सतनाई बायपास चौराहे तक	6000	12000	6000	16000	11600	10000	8800	24700	23100	23100	0	0	6000000	4000000	6000	12000		
1581	ऑडिटोरियम से बालाजीपुरम तक जरबास रोड	10000	20000	10000	20000	15600	14000	12800	32700	31100	31100	0	0	8560000	8560000	10000	20000		
1582	पटवारी बायपास चौराहे से माडल रोड लेते हुए सतनाई बायपास चौराहे तक	6500	13000	6500	16500	12100	10500	9300	25700	24100	24100	0	0	6000000	4000000	6500	13000		
1583	शेन वार्ड	4000	8000	4000	14000	9600	8000	6800	20700	19100	19100	0	0	6000000	4000000	4000	8000		

क्रमांक	मोहल्ला / कालोनी / सोसायटी / सडक / गांव	भूखंड (वर्गमीटर)			आवासीय भवन (वर्गमीटर)				व्यावसायिक भवन (वर्गमीटर)			बहुमंजिला ईमारत (वर्गमीटर)		कृषि भूमि (हेक्टेयर)		कृषि भूखंड (वर्गमीटर)	
		आवासीय	व्यावसायिक	औद्योगिक	आरसीसी	आर.बी.सी.	टिन छाया	कच्चा कबेलू	दुकान	कार्यालय	गोडाउन	आवासीय	व्यावसायिक	सिंचित	असिंचित	उपबंध अनुसार आवासीय	उपबंध अनुसार व्यावसायिक
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)

तहसील : खुरई उप क्षेत्र : नान प्लानिंग क्षेत्र, संख्या और वार्ड / पटवारी हल्का: पटवारी हल्का तं0- 32

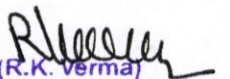
1767	मेमराघाट	400	800	400	6400	4400	3200	2800	9200	8000	8000	0	0	915200	457600	400	800
1768	सिलोधा डामलीकृत मार्ग एन.एच. को छोड़कर	2900	5800	2900	8900	6900	5700	5300	14200	13000	13000	0	0	2050000	1025000	2900	5800
1769	सिलोधा एन.एच. पर	5000	10000	5000	11000	9000	7800	7400	18400	17200	17200	0	0	4000000	2000000	5000	10000
1770	सिलोधा शेष ग्राम	1500	3000	1500	7500	5500	4300	3900	11400	10200	10200	0	0	1713600	856800	1500	3000

तहसील : खुरई उप क्षेत्र : नान प्लानिंग क्षेत्र, संख्या और वार्ड / पटवारी हल्का: पटवारी हल्का तं0- 34

1771	मुकारमपुर मुख्य मार्ग	2900	5800	2900	8900	6900	5700	5300	14200	13000	13000	0	0	1550000	775000	2900	5800
1772	मुकारमपुर शेष ग्राम	1500	3000	1500	7500	5500	4300	3900	11400	10200	10200	0	0	1305600	652800	1500	3000
1773	सियाखेड़ी	400	800	400	6400	4400	3200	2800	9200	8000	8000	0	0	940800	470400	400	800

Cost Estimate for Laying of Water Pipeline Across NH-934 at 34.8KM, 27.4 KM, 27.0KM 25.2KM chainage of Hirapur-Bina
Highway

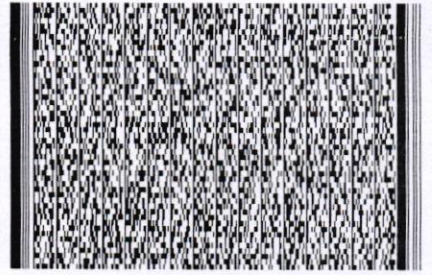
Project	Bina Pressured Mico Irrigation Project- Phase-2					
Section:	34.8KM, 27.4 KM, 27.0KM 25.2KMKM chainage of NH-934 (Sagar - Bina)					
Sl no:	Work to be done by WRD	Qty	Unit	Unit Rate in Rs	Amount in Rs	Discharge (m ³ /sec)
1	For Laying 2900mm dia, 16mm thk MS Pipe with 3LPE coated pipe (1150 kg/mtr)				-	13.798
2	Material Cost of 3200mm Dia Casing Pipe	24	Meter	92,000	22,08,000.00	
3	Installation cost of 3200mm Dia Casing pipe by Trenchless Pushing method	24	Meter	30,000	7,20,000.00	
4	For Laying 2200mm dia, 14mm thk MS Pipe with 3LPE coated pipe (654 kg/mtr)				-	8.13
5	Material Cost of 2400mm Dia Casing Pipe (276 kg/mtr)	20	Meter	52,320	10,46,400.00	
6	Installation cost of 2400mm Dia Casing pipe by Trenchless Pushing method	20	Meter	25,000	5,00,000.00	
7	For Laying 315mm dia HDPE Pipe				-	0.068
8	Material Cost of 500mm Dia Casing Pipe (74 kg/mtr)	16	Meter	5,920	94,720.00	
3	Installation cost of 500mm Dia Casing pipe by Agur Boaring	16	Meter	5,500	88,000.00	
	For Laying 280mm dia HDPE Pipe				-	0.062
	Material Cost of 500mm Dia Casing Pipe (74 kg/mtr)	16	Meter	5,920	94,720.00	
	Installation cost of 500mm Dia Casing pipe by Agur Boaring	16	Meter	5,500	88,000.00	
4	Add 10% extra on above against misc expenses, pipe protection measures	24		22,216	5,33,184.00	
	Total				53,73,024.00	


(R.K. Verma)

Project Administrator
Betwa Project Implementation Unit No.2
Rahatgarh, Distt. Sagar (M P)



Registration and Stamp Department
Madhya Pradesh



Certificate of Stamp Duty

E-Stamp Details

E-Stamp Code 01013324082023002334
Total E-Stamp Amount 100
Govt. Stamp Duty (Rs.) 100 Municipality Duty (Rs.) 0
Janpad Duty (Rs.) 0 Upkar Amount (Rs.) 0
Exempted Amount(Rs.) 0
E-Stamp Type NON-JUDICIAL
Issue Date & Time 24/08/2023 11:57:47
Service Provider or Issuer Details Mohan Das Sharma/SP013344807202000066
SP/SRO/DRO/HO Details श्रीमंत होण्डा मार्केट सिविल कोर्ट के पास खुरई जिला सागर KHURAI SAGAR

Deed Details

Deed Type Copy or Extract
Deed Instrument Copy or Extract, certified to be a true copy or extract by or order of an public officer under section 76 of the Indian Evidence Act 1872 (1 of 1872) and not chargeable under the law for the time being in force relating to court fees- One hundred rupees.
Purpose Affidavit

First Party Details

Organization Name IRRIGATION DEPARTMENT
Address RAHATGARH SAGAR Madhya Pradesh INDIA
Number of Persons 1

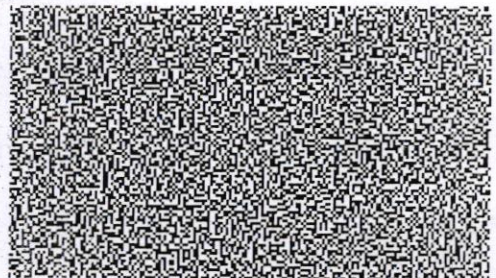
Second Party Details

Organization Name National Highway
Address SAGAR SAGAR Madhya Pradesh INDIA
Number of Persons 1

We do undertake the following

1. We shall not, without prior permission in writing to concerned officer of PWDNH undertake any work of shifting, repairs or alterations to the pipeline laid by us.
2. We shall not damage to other utility at the time of execution of the pipe line road crossing work and, if damaged, shall pay the losses either to PWDNH or to the concerned agency.
3. PWDNH shall not be responsible for any damage caused to the underground water line or by any activity of PWDNH on permitted Highway. The Parties are agreed that WRD is laying the underground water pipeline across the permitted highway at its own cost.
4. The Pipe Line shall be laid across the road by trenchless technology by HDD/ Pipe Ramming method and the land will be restored back in original condition after the completion of the job and shall clear the debris/loose earth produced from the execution of HDD/Pipe Ramming to the satisfaction of PWDNH.

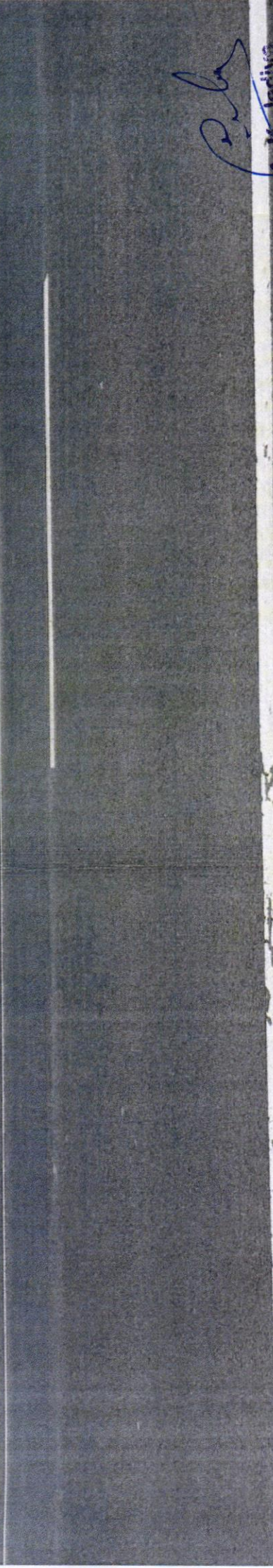
Digitally signed by MOHAN
SHARMA
Date: 2023.08.24 11:57:49
IST



सेवा प्रदाता - मोहन शर्मा
अनुमति क्र. SP013344807202000066
व्यवसाय स्थाव - श्रीमंत होण्डा मार्केट,
सिविल कोर्ट के पास, खुरई, जिला सागर
पंजी क्र. 2140 दिनांक 24/08/23

(Signature)

MS 2200mm dia



Handwritten signature
A.K. Jadhav
Sub Engineer

 GPS Map Camera



Banhot, Madhya Pradesh, India

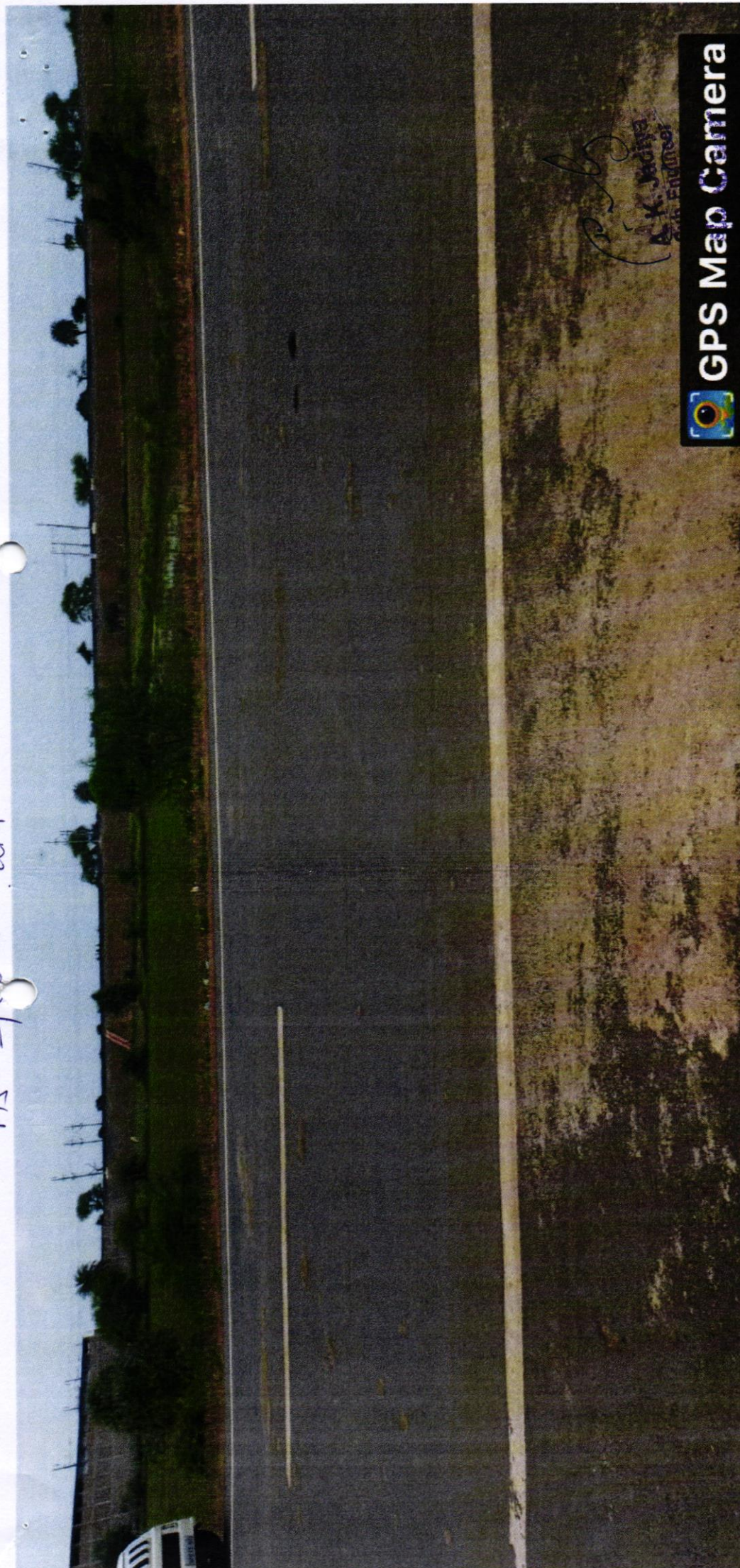
MP SH 14, Banhot, Madhya Pradesh 470117, India

Lat 23.99612°

Long 78.413312°

22/08/23 03:49 PM GMT +05:30

MS 2900 mm dia



A.K. Jadhav
Civil Engineer

 GPS Map Camera



Silodha, Madhya Pradesh, India
28JX+6PW, Silodha, Madhya Pradesh 470117, India
Lat 24.030328°
Long 78.350471°
22/08/23 03:34 PM GMT +05:30

HDPE 280 mm dia



GPS Map Camera

Sagar, MP, India

Khurai Bypass, Khurai, Sagar, 470117,
MP, India

Lat 24.022536, Long 78.336811

08/22/2023 03:42 PM GMT+05:30

Note : Captured by GPS Map Camera

(Signature)
A. K. Jodha
Sub Engineer
P. W. D. M. H.
Sub Dn. Sagar

HDPE 315 mm dia (Node:-



Handwritten signature
A.K. Jadhav
A.K. Jadhav

 GPS Map Camera



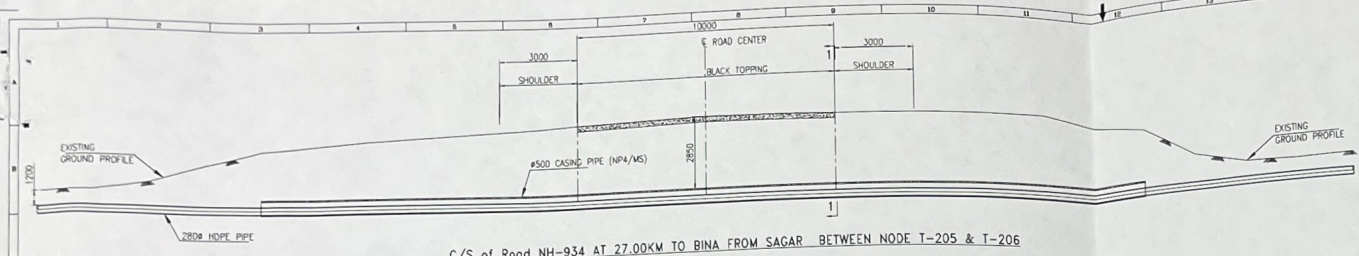
Jarwans, Madhya Pradesh, India

Sagar Bina Byp, Jarwans, Madhya Pradesh 470117, India

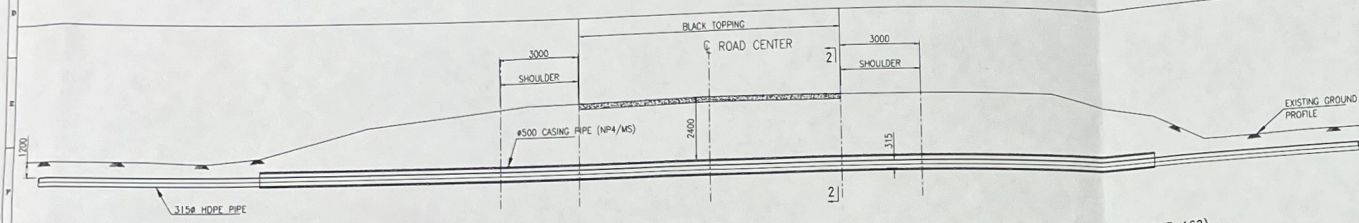
Lat 24.009751°

Long 78.327123°

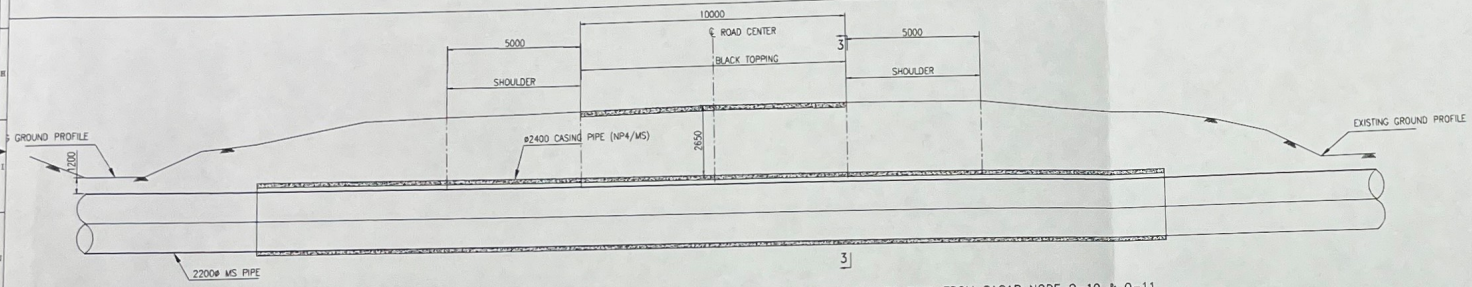
22/08/23 03:15 PM GMT +05:30



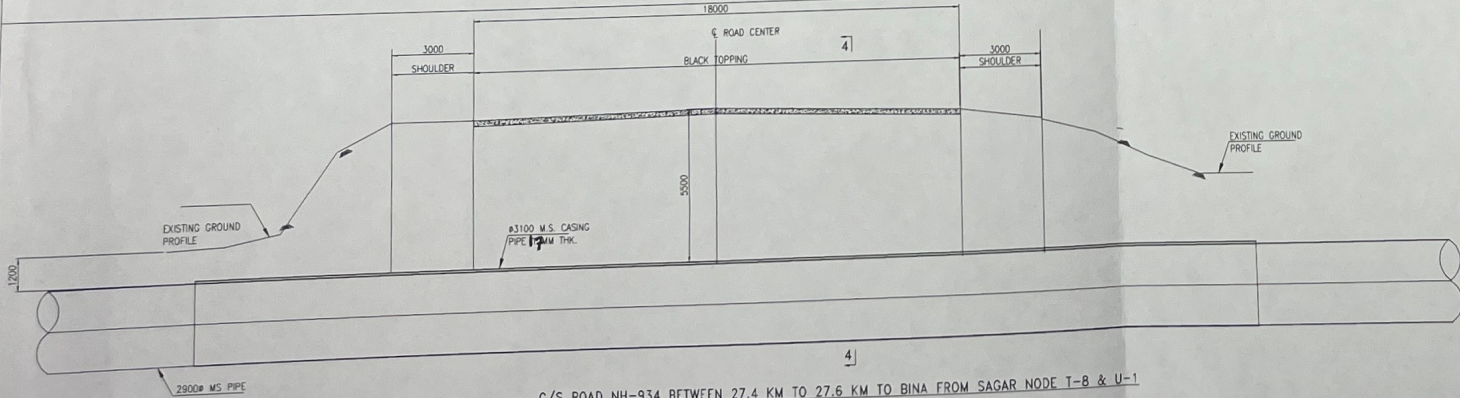
C/S of Road NH-934 AT 27.00KM TO BINA FROM SAGAR BETWEEN NODE T-205 & T-206



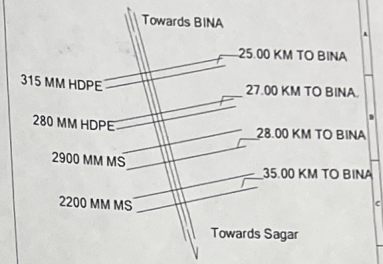
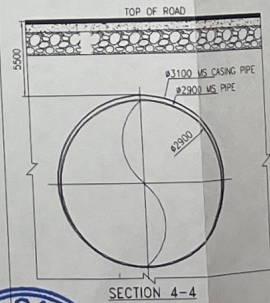
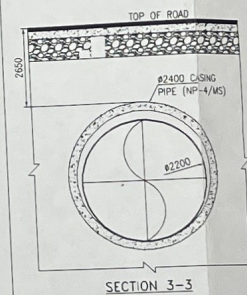
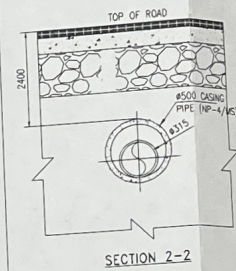
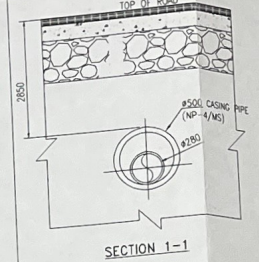
C/S ROAD NH-934 BETWEEN 25.2KM TO 25.4KM TO BINA FROM SAGAR (NODE T-161 & T-162)



C/S ROAD NH-934 BETWEEN 34.2KM TO 34.6KM TO BINA FROM SAGAR NODE 0-10 & 0-11



C/S ROAD NH-934 BETWEEN 27.4 KM TO 27.6 KM TO BINA FROM SAGAR NODE T-8 & U-1



NOTES:

1. ALL DIMENSIONS ARE IN MILLI METERS.
2. DO NOT SCALE THIS DRAWING, ONLY WRITTEN DIMENSIONS SHALL BE FOLLOWED

GOVERNMENT OF MADHYA PARDESH WATER RESOURCE DEPARTMENT	
PROJECT:	BINA COMPLEX IRRIGATION AND MULTIPURPOSE PROJECT
TITLE:	PIPE CROSSING DETAILS OF NH-934
CONTRACTOR:	MANTENA GAJA MP JV
PREPARED BY:	MANTENA GAJA MP JV
CHECKED BY:	REVIEWD BY:
Sub Engineer (SE) Betwa PIU-02, Rahatgarh	Asst Project Manager (APM) Betwa PIU-02, Rahatgarh
APPROVED BY:	
Project Administrator Betwa PIU-02, Rahatgarh	
DRG. NO-MSF-BINA-MISC-C-GA-201	
DATE: 17-08-2023	
REV. N	

Sub Divisional Officer
PWD NH Sub Dn. Sagar

A. K. Jadhav
Sub Engineer
P.W.D. M. H.
Sub Dn. Sagar

