



No. RW/BHP/MP/waterpipeline(173)/2024-25

**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:** 03.03.2025

**Invitation of Public Comments**

**Subject: Proposal for permission for laying and crossing water pipeline of Bansujara water supply scheme from Ch. 109+547 km to Ch. 127+800 km and Ch. 4+57 to 9+720 (Total length 29.153km and 12 crossings by HDD method) on Damoh-Shahgarh-Tikamgarh section of NH-539 by MP Jal Nigam Maryadit in the state of Madhya Pradesh. Reg.-**

Please refer CE(NH), MPPWD, Bhopal Memo no. NH-539/R/Bansujara Multi village W S Scheme/2025/142 dated 19.02.2025 forwarded therewith a proposal in this office for permission for laying and crossing water pipeline of Bansujara water supply scheme from Ch. 109+547 km to Ch. 127+800 km and Ch. 4+57 to 9+720 (Total length 29.153km and 12 crossings by HDD method) on Damoh-Shahgarh-Tikamgarh section of NH-539 by MP Jal Nigam Maryadit 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.- 249644).

**Yours faithfully,**

Digitally signed by  
Shubham Kaushal Ahirwar  
Date: 03-03-2025  
11:37:41  
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, Sagar -for information.
4. GM, MP Jal Nigam Maryadit, PIU, Chattarpur- for information.





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 : cepwdnhzonemp@gmail.com ,

Phone/ Fax -0755 -2551570

Memo no. N.H-539/R/Bansujara Multi village W S Scheme /2025

Bhopal, Date 19/01/2025

To,

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

**Sub :** Proposal for Permission for laying and crossing Water pipeline of various Dia 100 to 600mm HDPE & DI Pipe NH-539 {Tikamgarh- Madumarkhas and Anantpura- Heera nagar} for **Bansujara** Multi village Water Supply Scheme Dist.Tikamgarh by M/S M P Jal nigam Maryadit PIU Chhatarpur.

**Ref:-** Executive Engineer, PWD NH Division Sagar memo no. 35/W/2024-25 Dated 07.01.2024

Please refer to the memo cited under reference vide which Executive Engineer, PWD NH Division Sagar has submitted the Proposal for Permission for laying and crossing Water pipeline of various Dia 100 to 600mm HDPE & DI Pipe NH-539 {Tikamgarh- Madumarkhas and Anantpura- Heera nagar} for **Bansujara** Multi village Water Supply Scheme Dist.Tikamgarh by M/S M P Jal nigam Maryadit PIU Chhatarpur for necessary permission as per Ministry circular. Details are as under:-

1. Laying of HDPE & DI Pipe from km. 127+800 to 109+547 Madumarkhas to Badagaon and km. 04+57 to 9+720 Anantpura to Heeranagar T point.
2. Crossing along NH-539 (Tikamgarh to Badagaon) and 0+000 to 10+000 (Tikamgarh to Heeranagar T point) at Ch. 127+440, Ch. 124+060, Ch. 122+630, Ch. 120+700, Ch. 117+030, Ch. 115+140, Ch. 114+771, Ch. 111+800, Ch. 09+720, Ch. 07+190, Ch. 05+800, Ch. 04+570

Bank Guarantee of Rs. 81,28,250/- (BG no. 16090100022450 dated 08.11.2024 valid upto 30.11.2025 {AXIS Bank}, is also deposited in favour of Executive Engineer, PWD NH Division Sagar and license / lease rent of Rs. 2,20,998/- deposited on NTRP Portal on dated 28.11.2024 (Bharatkosh. Gov. in by Ref. no. 2811240007368)

Therefore, the proposal for Permission to lay optical fiber cable, as received from the Executive Engineer, PWD NH Division, Sagar, is enclosed herewith for your approval of the aforementioned work.

**Encl:** As above (Proposal in Original)

**Approved by Chief Engineer (NHs)**

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

Endt. no. N.H-539/R/Bansujara Multi village W S Scheme /2025

Bhopal, Date /01/2025

Copy is forwarded to, The Executive Engineer, PWD NH Division Sagar for information.

EXECUTIVE 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 ३५ / कार्य / 2024-25,  
प्रति,

सागर, दिनांक 07/01/2025

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

विषय:- बानसुजारा समूह जल प्रदाय योजना अंतर्गत राष्ट्रीय राजमार्ग क्रमांक 539 झांसी-शाहगढ़ मार्ग पर सड़क के Along & Across पाईप लाईन बिछाने की अनुमति प्रदाय करने के संबंध में।  
संदर्भ :- 1-आपका पत्र क्र.4621/महा.प्रबं/म.प्र.ज.नि.मर्या./परि.क्रि.ई./2024 छतरपुर दिनांक 01.06.24  
2-अनुविभागीय अधिकारी, लो.नि.वि.रा.रा.उपसंभाग सागर का पत्र क्रमांक 541/कार्य/2024-25 सागर, दिनांक 18.07.2024  
3-अनुविभागीय अधिकारी, लो.नि.वि.रा.रा.उपसंभाग छतरपुर का पत्र क्रमांक 736/कार्य/2024-25 सागर, दिनांक 12.07.2024  
4-आपका पत्र क्र. 8906/महा.प्रबं/म.प्र.ज.नि.मर्या./परि.क्रि.ई./2024 छतरपुर दिनांक 28.11.24 (बैंक गारंटी जमा पत्र)

उपरोक्त विषयांतर्गत लेख है कि आपके संदर्भित पत्र क्रमांक 01 के द्वारा राष्ट्रीय राजमार्ग क्रमांक 539 झांसी-शाहगढ़ मार्ग बानसुजारा समूह जल प्रदाय योजना अंतर्गत टीकमगढ़ जिले के 201 ग्रामों में पेयजल हेतु पाईप लाईन डालने हेतु आपके द्वारा अनापत्ति चाही गई थी।

जिसमें अनुविभागीय अधिकारी, लोक निर्माण विभाग रा.रा.उपसंभाग सागर/छतरपुर ने संदर्भित पत्र क्रमांक 02 एवं 03 के प्रतिवेदन अनुसार राष्ट्रीय राजमार्ग क्रमांक 539 झांसी-शाहगढ़ मार्ग पर पाईप लाईन डालने हेतु बैंक गारंटी राशि रु. 81,28,250.00 की, नियमानुसार कार्यपालन यंत्री लोक निर्माण विभाग राष्ट्रीय राजमार्ग संभाग सागर के नामे तैयार कराकर एवं लायसेंस फीस की राशि रु. 2,20,998.00 BharatKosh में जमा कराकर पावती संलग्न कर इस कार्यालय को अग्रिम कार्यवाही हेतु प्रेषित की गई है।

अतः उक्त प्रकरण आपकी ओर अग्रिम कार्यवाही हेतु सम्प्रेषित है।

सहपत्र :- उपरोक्तानुसार

(पंकज व्यास)  
कार्यपालन यंत्री

लो.नि.वि.रा.रा.संभाग सागर

सागर, दिनांक . 2025

पृ. क्रमांक / कार्य / 2024-25,  
प्रतिलिपि:-

- 1- महाप्रबंधक, म.प्र. जल निगम मर्यादित परियोजना क्रियान्वयन इकाई छतरपुर (म.प्र.) की ओर सूचनार्थ सम्प्रेषित।
- 2- अनुविभागीय अधिकारी, लोक निर्माण विभाग रा.रा.उपसंभाग सागर/छतरपुर (म.प्र.) की ओर आपके संदर्भित पत्र के तारतम्य में सूचनार्थ प्रेषित।

सहपत्र :- शून्य

(सिद्ध)  
कार्यपालन यंत्री

लो.नि.वि.रा.रा.संभाग सागर



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

sdonhsagar@gmail.com

पत्र क्रं.  
प्रति,

541

कार्य/2024 -25

सागर दिनांक 18/07/2024

कार्यपालन यंत्री  
लोक निर्माण विभाग रा.रा.  
संभाग सागर

विषय:- बानसुजारा समूह जल प्रदाय योजना अंतर्गत राष्ट्रीय राजमार्ग 539 झांसी-शाहगढ मार्ग पर सडक के Along & Across पाईप लाईन बिछाने की अनुमति प्रदाय करने के संबंध में।

संदर्भ:- आपका पृ. क्रं. 1284/कार्य/2024-25 सागर दिनांक 12.06.2024

उपरोक्त विषयांतर्गत संदर्भित पत्र के तारतम्य मे लेख है कि राष्ट्रीय राजमार्ग 539 शाहगढ-टीकमगढ मार्ग महाप्रबंधक मध्यप्रदेश जल निगम छतरपुर द्वारा पाईप लाईन डालने हेतु अनुमति चाही गई है।

अतः प्रकरण मे संलग्न गणना पत्रक अनुसार लायसेंस फीस रु. 128744.00 एवं बैंक गारंटी राशि रु. 57,23,250.00 जमा कराने उपरांत स्वीकृति हेतु अनुशंसा सहित प्रकरण आपकी ओर संप्रेषित है।

सहपत्र - उपसंभाग सागर विभाग रा.रा.

प्र.क्रं0

कार्य/ 2024 -25

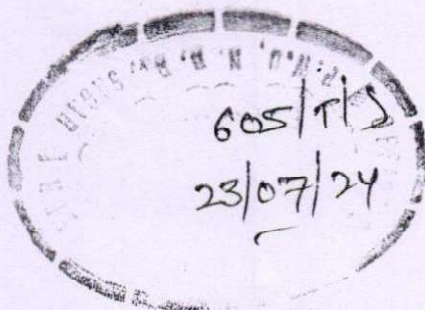
अनुविभागीय अधिकारी  
लो.नि.वि.राष्ट्रीय राजमार्ग सागर  
सागर दिनांक.....

प्रतिलिपि :-

उपयंत्री श्री टी.आर.रायकवार की ओर सूचनार्थ।

सहपत्र - शून्य

अनुविभागीय अधिकारी  
लो.नि.वि.राष्ट्रीय राजमार्ग सागर





क्र0 / 736 / तक्र0 / 2024-25 /

छतरपुर दिनांक 12/7/24

प्रति,

कार्यपालन यंत्री,  
लोक निर्माण विभाग रा0रा0  
संभाग रागर (म0प्र0)

विषय:- बानसुजारा समूह जल प्रदाय योजना अंतर्गत राष्ट्रीय राजमार्ग क्रमांक-539 झांसी-शाहगढ़ मार्ग पर सड़क के Along & Across पाईप लाईन बिछाने की अनुमति प्रदाय करने के संबंध में ।

सन्दर्भ:- 1- आपका पत्र क्रमांक-1088/कार्य/2024-25 सागर दिनांक 17.05.2024  
2- महाप्रबंधक म0प्र0 जल निगम मर्यादित परियोजना क्रियान्वयन इकाई छतरपुर (म0प्र0) का पत्र क्रमांक-4621/महा.प्रबं./म.प्र.ज.नि.मार्या./परि.क्रि.ई./2024 छतरपुर दिनांक 01.06.2024

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उपरोक्त विषयान्तर्गत लेख है कि मध्यप्रदेश जल निगम, परियोजना क्रियान्वयन इकाई छतरपुर द्वारा जिला टीकमगढ़ के 201 ग्रामों में पेयजल प्रदाय हेतु बानसुजारा (टीकमगढ़) समूह जल प्रदाय योजना का क्रियान्वयन किया जा रहा है । योजना अंतर्गत राष्ट्रीय राजमार्ग क्रमांक-539 झांसी-शाहगढ़ मार्ग पर सड़क के Along & Across पाईप लाईन बिछाने की अनुमति संदर्भित पत्र क्रमांक-2 द्वारा महाप्रबंधक जल निगम मर्यादित परियोजना क्रियान्वयन इकाई छतरपुर (म0प्र0) द्वारा प्रस्तुत किया गया है । उक्त कार्य का स्थल निरीक्षण एवं प्रकरण परीक्षण उपरांत आवश्यक कार्यावाही हेतु सम्प्रेषित है । इसमें निम्नानुसार बैंक गारंटी व लाइसेंस फीस उपसंभाग छतरपुर के अंतर्गत किये जाने वाले कार्य में देय होगी ।

- 1- बैंक गारंटी 24,05000 (4) (क्रासिंग सहित)
- 2- लाइसेंस फीस 92,254.00

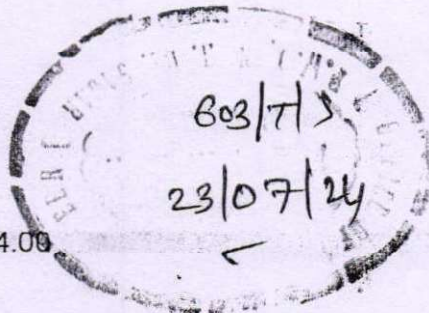
अतः प्रकरण तैयार कर 04 प्रतियों में आपकी ओर सूचनार्थ एवं आवश्यक कार्यावाही हेतु सम्प्रेषित है ।

सहपत्र:- उपरोक्तानुसार

अनुविभागीय अधिकारी,  
लोक निर्माण विभाग रा0रा0  
उपसंभाग छतरपुर (म0प्र0)

D// Bansujara Letter NH-539

2- लाइसेंस फीस 92,254.00





प्रति,

कार्यपालन यंत्री  
लो.नि.वि.रा.रा.  
संभाग सागर

विषय:- बानसुजारा समूह जल प्रदाय योजना अंतर्गत राष्ट्रीय राजमार्ग क्र. 539 झांसी-शाहगढ़ मार्ग पर सड़क के Along & Across पाईप लाईन बिछाने की अनुमति प्रदाय करने के संबंध में।

संदर्भ:- 1. आपका पत्र क्र. 1088 / कार्य / 2024-25 सागर दिनांक 17.05.2024  
2. फर्म का पत्र क्र. 183 दिनांक 01.06.2024..

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विषयांतर्गत लेख है कि मध्यप्रदेश जल निगम, परियोजना क्रियान्वयन इकाई छतरपुर द्वारा जिला टीकमगढ़ के 201 ग्रामों में पेयजल प्रदाय हेतु बानसुजारा (टीकमगढ़) समूह जल प्रदाय योजना का क्रियान्वयन किया जा रहा है। योजना अंतर्गत राष्ट्रीय राजमार्ग क्र. 539 झांसी-शाहगढ़ मार्ग पर सड़क के Along & Across पाईप लाईन बिछाने की अनुमति हेतु प्रकरण आपके समक्ष प्रस्तुत किया गया था, पाईप लाईन के alignment में बदवाल हुए हैं। जिसके उपरान्त संदर्भित पत्र के माध्यम से आपके द्वारा पुनः संशोधित प्रकरण 07 दिवस के अंदर पॉच प्रतियों में जमा करने हेतु निर्देशित किया है।

अतः realignment अनुसार प्रकरण तैयार कर पॉच प्रतियों में आपकी ओर सूचनार्थ एवं आवश्यक कार्यवाही हेतु प्रेषित।

संलग्न:-उपरोक्तानुसार।

महाप्रबंधक

म0प्र0 जल निगम मर्यादित  
परियोजना क्रियान्वयन इकाई  
छतरपुर (म0प्र0)

छतरपुर दिनांक 01/06/24

पृ. क्र. / महा.प्रबं. / म.प्र.ज.नि.मर्या. / परि.क्रि.ई. / 2024

प्रतिलिपि:-1. कलेक्टर महोदय, जिला टीकमगढ़ की ओर सूचनार्थ प्रेषित।

2. मुख्य महाप्रबंधक, म.प्र. जल निगम, भोपाल की ओर सूचनार्थ प्रेषित।

3. उप-प्रबंधक, म.प्र. जल निगम, टीकमगढ़ की ओर सूचनार्थ एवं आवश्यक कार्यवाही हेतु प्रेषित।

4. डिप्टी टीम लीडर मैसर्स टी.यू.व्ही. एस.यू.डी. साउथ एशिया प्रा.लि. छतरपुर की ओर सूचनार्थ एवं आवश्यक कार्यवाही हेतु प्रेषित।

5. मैसर्स एन्वायरो इन्फ्रा इंजीनियरिंग लि. बल्देवगढ़ की ओर सूचनार्थ एवं आवश्यक कार्यवाही हेतु प्रेषित।

महाप्रबंधक

म0प्र0 जल निगम मर्यादित  
परियोजना क्रियान्वयन इकाई  
छतरपुर (म0प्र0)



(म0प्र0 शासन का उपक्रम)

कार्यालय महाप्रबंधक

परियोजना क्रियान्वयन इकाई छतरपुर (म.प्र.)

वार्ड क्र.- 35, गांधी आश्रम के पीछे गली नं. 02, शांति नगर कालोनी छतरपुर

(E-mail: gmchhatarp.jalnigam@mp.gov.in, Mob- 9425404797)

क्र. 18906 / महा.प्रबं. / म.प्र.ज.नि.मर्या. / परि.क्रि.ई. / 2024

छतरपुर दिनांक 28/11/24

प्रति,

कार्यपालन यंत्री

लोक.नि.वि.रा.रा.

संभाग-सागर (म.प्र.)

विषय:- बानसुजारा समूह जल प्रदाय योजना अंतर्गत राष्ट्रीय राजमार्ग क्र. 539 झांसी-शाहगढ़ मार्ग पर सड़क के Along & Across पाईप लाईन बिछाने की अनुमति हेतु लाईसेंस फीस एवं बैंक गारंटी जमा करने के संबंध में।

संदर्भ:- 1. इस कार्यालय का पत्र क्र. 4621 दिनांक 01.06.2024.

2. आपका पत्र क्रमांक पत्र क्र. 1624 / कार्य / 2024-25 सागर दिनांक 23.07.2024.

.....000.....

विषयांतर्गत लेख है कि बानसुजारा (टीकमगढ़) समूह जल प्रदाय योजना अंतर्गत राष्ट्रीय राजमार्ग क्र. 539 झांसी -शाहगढ़ मार्ग पर सड़क के Along & Across पाईप लाईन बिछाने की अनुमति हेतु प्रकरण आपके समक्ष प्रस्तुत किया गया था। संदर्भित पत्र क्र. 02 के माध्यम से राष्ट्रीय राजमार्ग 539 झांसी-शाहगढ़ मार्ग पर पाईप लाईन बिछाने की स्वीकृति हेतु बैंक गारंटी राशि रु. क्रमशः 57,23,250.00 एवं 24,05,000.00 कुल 81,28,250.00 की, नियमानुसार कार्यपालन यंत्री, लोक निर्माण विभाग राष्ट्रीय राजमार्ग संभाग सागर के नाम तैयार कर एवं लायसेंस फीस क्रमशः राशि रु. 1,28,744.00 एवं रु. 92,254.00 कुल 2,20,998.00 मुख्य अभियंता-क्षेत्रीय अधिकारी, भूतल परिवहन एवं राजमार्ग मंत्रालय भोपाल (Bharatkosh.gov.in) में जमा करने हेतु निर्देशित किया गया है।

उक्त पत्र के परिपालन में आपके निर्देशानुसार क्रमशः राशि रुपये 57,23,250.00 एवं 24,05,000.00 कुल 81,28,250.00 की बैंक गारण्टी तैयार कर लायसेंस फीस क्रमशः राशि रु. 1,28,744.00 एवं रु. 92,254.00 कुल 2,20,998.00 ऑनलाईन जमा करा कर रसीद इस पत्र के साथ संलग्न कर आवश्यक कार्यवाही हेतु ओर प्रस्तुत है।

संलग्न:-उपरोक्तानुसार।

अ. 28.11.24  
महाप्रबंधक

म0प्र0 जल निगम मर्यादित  
परियोजना क्रियान्वयन इकाई  
छतरपुर (म0प्र0)

छतरपुर दिनांक 28/11/24

पृ. क्र. 18907 / महा.प्रबं. / म.प्र.ज.नि.मर्या. / परि.क्रि.ई. / 2024

प्रतिलिपि:-1. मुख्य महाप्रबंधक, म.प्र. जल निगम, भोपाल की ओर सूचनार्थ प्रेषित।

2. आर.ई. मैसर्स टी.यू.व्ही. एस.यू.डी. साउथ एशिया प्रा.लि. टीकमगढ़ की ओर सूचनार्थ एवं आवश्यक कार्यवाही हेतु प्रेषित।

अ.  
महाप्रबंधक

म0प्र0 जल निगम मर्यादित  
परियोजना क्रियान्वयन इकाई  
छतरपुर (म0प्र0)





# AXIS BANK LIMITED



AXIS7709537  
Bank Guarantee No 16090100022450 Dated 08-11-2024/1609

AXIS BANK LIMITED  
CBB NEW DELHI  
3RD FLOOR, PLOT NO. 25 PUSA ROAD NEW DELHI-110001

Ref.No: 16090100022450

Date: 08-11-2024

To,  
THE EXECUTIVE ENGINEER  
NATIONAL HIGHWAY PUBLIC WORKS DEPARTMENT  
DIVISION SAGAR OFFICE OF THE EXECUTIVE  
ENGINEER,PWD NH,SAGAR MP 470002 - 470002

Dear Madam/Sirs,

BG No. : 16090100022450  
Date of Issue : 08-11-2024  
Amount of BG : INR 81,28,250.00 (INDIAN RUPEES EIGHTY ONE LAKH TWENTY EIGHT THOUSAND TWO HUNDRED AND FIFTY ONLY)  
Expiry Date : 30-11-2025  
Claim Expiry Date : 30-11-2025  
Name and Address of the Applicant : MS. ENVIRO INFRA ENGINEERS LTD 2ND FLOOR UNIT NO 201 PLOT NO B CSC OCF-01 RG METRO ARCADE SECTOR-11 ROHINI NORTH WEST DELHI- 110085

We forward herewith the above Inland Bank Guarantee in original issued by us in your favour.

1. The above Guarantee is issued subject to the condition that the Bank's liability is restricted to the amount mentioned above and in the said Guarantee. Our Guarantee shall remain in force till the expiry date. Unless a demand or claim under the guarantee is made on the Bank in writing and delivered to the bank on or before the Expiry date/Claim Expiry Date, the Bank shall be discharged from all liability under the said guarantee thereafter.

Please Note:

- The beneficiary in their own interest should,
  - Verify the BG text is printed on the Bank Serial numbered stationery and duly signed by two bank officials on each page.
  - Verify the genuineness of this guarantee from following office of the Bank in writing.

AXIS BANK LIMITED

BG Confirmation Desk, Wholesale Banking Operations 5th floor, Gigaplex, Building No 1,  
Plot No I.T.5, MIDC, Airoli Knowledge Park, Airoli, Navi Mumbai 400708

- BG confirmation can also be sought by sending email to [ibg.confirmation@axisbank.com](mailto:ibg.confirmation@axisbank.com).
- The Claim demand in Original /SFMS/ SWIFT under this Bank Guarantee is to be submitted at the address mentioned in this Bank Guarantee and additionally an email be sent on [axisbg.invocations@axisbank.com](mailto:axisbg.invocations@axisbank.com)

FOR AXIS BANK LIMITED

AUTHORISED SIGNATORY

Name: PEEYUSH GUPTA  
SS No. Senior Manager  
SS No. 32513

Encl: Bank Guarantee Number 16090100022450

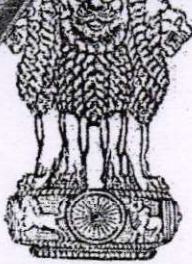


FOR AXIS BANK LIMITED

AUTHORISED SIGNATORY

Name: SANTOSH KUMAR  
SS No. Senior Manager  
SS No: 27739





सत्यमेव जयते

INDIA NON JUDICIAL

**Government of National Capital Territory of Delhi**

e-Stamp

Certificate No.	: IN-DL78972535425853W
Certificate Issued Date	: 29-Oct-2024 10:53 AM
Account Reference	: IMPACC (IV)/dl736003/ DELHI/ DL-DLH
Unique Doc. Reference	: SUBIN-DL73600306738887833081W
Purchased by	: AXIS BANK LTD
Description of Document	: Article Bank Guarantee
Property Description	: Not Applicable
Consideration Price (Rs.)	: 0 (Zero)
First Party	: AXIS BANK LTD
Second Party	: Not Applicable
Stamp Duty Paid By	: AXIS BANK LTD
Stamp Duty Amount(Rs.)	: 100 (One Hundred only)

सत्यमेव जयते

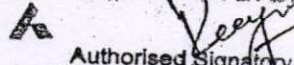


Please write or type below this line

AXIS7709537

**This Non-Judicial Stamp paper forms part and parcel of this  
Bank Guarantee no. 16090100022456 dt 08-11-2024 issued in favour of  
THE EXECUTIVE ENGINEER NATIONAL HIGHWAY PUBLIC WORKS DEPARTMENT DIVISION SAGAR  
OFFICE OF THE EXECUTIVE ENGINEER,PWD NH,SAGAR MP 470002**

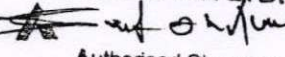
For AXIS BANK LTD.

  
Authorised Signatory  
Corporate Banking Branch  
Pusa Road, Karol Bagh, N. Delhi-6

**PEEYUSH GUPTA**  
Senior Manager  
SS No. 32513  
Stamp Duty Alert



For AXIS BANK LTD.

  
Authorised Signatory  
Corporate Banking Branch  
Pusa Road, Karol Bagh, N. Delhi-6

**SANTOSH KUMAR**  
Senior Manager  
SS No. 27739

The authenticity of this Stamp certificate should be verified at 'www.shoelastamp.com' or using e-Stamp Mobile App of Stock Holding.  
Any discrepancy in the details on this Certificate and as available on the website / Mobile App renders it void.  
The date of checking the genuineness is the date of the certificate.





AXIS7709537

Bank Guarantee No 16090100022450 Dated 08-11-2024/1609

To,  
The Executive Engineer,  
National Highway Public Works Department,  
Division Sagar Office of the Executive Engineer, PWD NH, Sagar (MP)  
Near Old Tehsil Campus, District - Sagar,  
Madhya Pradesh - 470002

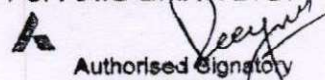
In consideration of agreement for Laying of 150mm to 600mm dia DI water supply pipeline by MP Jal Nigam Maryadit PIU - Chattapur under Bansujara Multi Village Water Supply Scheme - District Tikamgarh from Jhasi -Shahgarh road along & Across National Highway No. 539 and Shahgarh -Tikamgarh along & Across National Highway No. 539 as part of the work "Engineering procurement construction testing commissioning trial run and operation and maintenance of various components of BANSUJARA MULTI VILLAGE RURAL WATER SUPPLY SCHEME for 201 villages of block Tikamgarh ,Baldevgarh & Badagaon Dasan District Tikamgarh MP for ultimate capacity of bringing 35.36 MLD treated water 23 Hours pumping from Bansujara Dam located near village Lamera Block Baldevgarh District Tikamgarh in Single Package on Turnkey job basis including trial run and operation and maintenance of the entire scheme for 10 Years" of Madhya Pradesh Jal Nigam Maryadit, between "The Executive Engineer, National Highway Public Works Department, Division Sagar (Hereinafter called Principal) & General Manager, PIU - Niwari, Madhya Pradesh Jal Nigam Maryadit, MP (hereinafter called Contractor), and on behalf of Enviro Infra Engineers Limited, We, Axis Bank Limited, A Company Incorporated under The Companies Act, 1956 and Carrying on Banking Business Under The Banking Regulation Act, 1949 and having Its Registered office at 'Trishul', 3rd Floor, opposite Samartheswar Temple, Law Garden, Ellis Bridge, Ahmedabad 380 006, Gujarat and Its Corporate office at Bombay Dyeing Mills Compound, Pandurang Budhakar Marg, Worli, Mumbai- 400025 and one of Its Branch office at Axis Bank Limited, 3rd Floor, Plot No. 25 Pusa Road New Delhi -110005 (Hereinafter Referred To As The "Bank" Which Expression Shall Unless Repugnant To Context Or Meaning Thereof, Include Its Successors Or Assigns In Business) hereby undertake to pay the principal an amount not exceeding Rs.81,28,250.00 (Rupees Eighty One Lac Twenty Eight Thousand Two Hundred Fifty Only) against any loss or damage caused to or suffered or would be suffered by the Principal, by reasons of any breach of the terms or conditions contained in the said agreement.

1. We Axis Bank Limited do hereby undertake to pay the amount due and payable under this guarantee without any demur merely on a written demand from the principal stating that amount claimed is on account of making good and executed trench for laying of underground pipe of proper filling and compaction as to restore the land in the same condition as it was before digging the trench debris/loose earth produced due to execution of trenching However our liability under this guarantee shall be restricted to exceeding Rs.81,28,250.00 (Rupees Eighty-One Lac Twenty-Eight Thousand Two Hundred Fifty Only) We undertake to pay the principal any money so demanded under this guarantee not withstanding any dispute or dispute raised by the Contractor (s) in any suit or proceeding pending before any court or tribunal relating there our liability under this present being absolute and unequivocal. The payment so made by us under this guarantee shall be a valid discharge of our liability for payment there under and the contractor (s) shall have no claim against us for making such payments.
2. We, Axis Bank Limited further agree that the guarantee herein contained shall remain in full force and effect during the period would be taken for the performance of said agreement and that it shall be continued to be enforceable till all the dues of the principal or by virtue of the said agreement have been fully paid and its claims satisfied or discharged or till the principal, certify that the terms and conditions of the said agreement have been fully and properly carried out by the said contractor and accordingly discharge this guarantee or till 30-11-2025 whichever is earlier, unless a demand or claim under this guarantee Is received by the Bank in writing on or before 30-11-2025 we shall be discharged from our liabilities under this guarantee thereafter.
3. The Guarantee will not be discharged due to the change in constitution of the bank or of the contractor.
4. We Axis Bank Limited lastly undertake not to revoke this guarantee during its currency except with previous consent of the principal in writings.
5. This Bank Guarantee is valid till 30-11-2025.

Notwithstanding anything contained herein above:

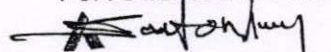
- a) This bank guarantee is issued on 08.11.2024 (date of issuance being the specified event);

For AXIS BANK LTD.

  
Authorised Signatory  
Corporate Banking Branch  
Pusa Road, Karol Bagh, N. Delhi-5  
**PEEYUSH GUPTA**  
Senior Manager

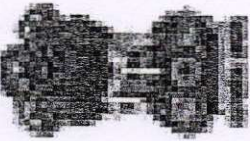


For AXIS BANK LTD.

  
Authorised Signatory  
Corporate Banking Branch  
Pusa Road, Karol Bagh, N. Delhi-5

**SANTOSH KUMAR**  
Senior Manager





# bharatkosh.gov.in

Government of India Receipt Portal

## RECEIPT

Transaction Ref.No. 2811240007368

Dated: Nov 28 2024 11:14AM

Received from M/S. ENVIRO INFRA ENGINEERS LTD with Transaction  
Ref.No. 2811240007368

Dated Nov 28 2024 11:14AM the sum of INR 220998 (Two Lakhs Twenty  
Thousand Nine Hundred Ninety-Eight Only) through Internet based Online  
payment in the account of

Receipt of Service Fees on Account of NH, , .

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

Printed On: 28-11-2024 04:45:56

General Manager  
M.P.Jal Nigam Maryadit  
PIU-Chhatrapur (M.P.)





AXIS7709537

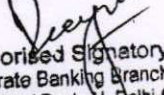
Bank Guarantee No 16090100022450 Dated 08-11-2024/1609

- b) Our aggregate liability under this bank guarantee shall not exceed Rs.81,28,250.00 (Rupees Eighty-One Lac Twenty-Eight Thousand Two Hundred Fifty Only)
- c) This bank guarantee shall be valid up to 30-11-2025 (being the expiry date of the guarantee); and
- d) We are liable to pay the guaranteed amount or any part thereof under this bank guarantee only and only, if a written claim or demand is served on the bank on or before 30-11-2025 (being the claim expiry date); and
- e) Upon expiry of 30-11-2025 (claim expiry date) from the specified event (being the date of issuance of this bank guarantee), the bank shall stand discharged from all its liability under this guarantee and all your rights under this guarantee shall stand extinguished, irrespective of the fact whether the guarantee in original is returned back to us or not.

Date : 08.11.2024

Place : New Delhi

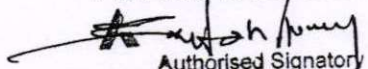
For AXIS BANK LTD.

  
Authorised Signatory  
Corporate Banking Branch  
Pusa Road, Karol Bagh, N. Delhi-5

**PEEYUSH GUPTA**  
Senior Manager  
SS No. 32513



For AXIS BANK LTD.

  
Authorised Signatory  
Corporate Banking Branch  
Pusa Road, Karol Bagh, N. Delhi-5

**SANTOSH KUMAR**  
Senior Manager  
SS No. 27739







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(P.M.)

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**Calculation sheet for license fees required to deposit for Laying of Public and Industrial Utility services along and across the NH under jurisdiction of NHPWD (Amarpur-TIKAMGARH NH-539) Crossing**

1. Name of the Project :- Bnasujara multi village scheme, Tikamgarh  
 3. Total Length:- 0.240 km  
 4. No. of Villages/Towns through which Utility is passing:- 09 nos  
 5. Details for Calculation of License fee:-

S.No.	Location	Stretch (Rural/Urban)	Chanage	District	Length(m)	Width(m)	Area (Sq.m)	Applicable Rates (Rs./Sq.m)	Utilized SH/MDR land area* Prevailing circle rate of land per unit area
1	2	3	4	5	6	7	8	9	10
1	Madumar khas	Rural	127+440	Tikamgarh	30	1	30	83.6	2508
2	Patha khas	Rural	124+060	Tikamgarh	30	1	30	65.28	1958.4
3	Jatauwa khas	Rural	122+630	Tikamgarh	30	1	30	50.16	1504.8
4	Gudanwara	Rural	120+700	Tikamgarh	30	1	30	56.8	1704
5	sammara	Rural	117+030	Tikamgarh	30	1	30	50.96	2428.8
6	Ajaur	Rural	115+140	Tikamgarh	30	1	30	58.4	1752
7	Ajaur	Rural	114+771	Tikamgarh	30	1	30	58.4	1752
8	Amarpur	Rural	111+800	Tikamgarh	30	1	30	51.04	1531.2
Total					240		240		15139.2

**Calculation:-**

So, Net License Fees Utilized NH land X Prevailing Circle rate X 1.5 % Per annum

Subjected to minimum 10000

6% annual increment

Fee for 1st Year

Fee for 2nd Year

Fee for 3rd Year

Fee for 4th Year

Fee for 5th Year

Add : Rs. 100000/- per crossing

License Fees for 05 Year's

Refundable Performance Guarantee as per Para 6 of the Circular:-

Bank Guarantee @RS.100 Per RM

Bank Guarantee @Rs. 250Per RM

Total Bank Guarantee Rs.

3000 Dia @<300mm

18493 Dia @>300mm

300000

4623250

5723250

*[Signature]*  
 Sub Engineer  
 PWD NH Subdiv. Sagar (M.P.)

*[Signature]*  
 Sub Divisional Officer  
 P.W. U.P. H. & ID Division  
 SAGAR (M. P.)

*[Signature]*  
 MANAGER  
 M.P.Jal Nigam Maryadit  
 PIU.-CHHATARPUR

*[Signature]*  
 General Manager  
 M.P.Jal Nigam Maryadit  
 PIU.-Chhatarpur (M.P.)

*[Signature]*  
 Dy. M. Jal Nigam  
 DEPUTY MANAGER  
 M.P.Jal Nigam Maryadit  
 PIU.-Chhatarpur (M.P.)



АМ МАДИН ЛАҚМ  
УРПАТАННО-У.Л.Қ

General Manager  
M.P. Lal Nigam Mayapuri  
P.U. Chhatrapur (M.P.)

DAVID M. YUEN  
B.M. Magin Ltd. P.M.  
P.O. Box 100-100







क्र.सं.	संस्थान / संस्था / संस्थापक / मालिक / राशि	प्रारंभिक (संस्थापक)			अवधीय प्रदान (संस्थापक)			आवधिक प्रदान (संस्थापक)			अवधिक प्रदान (संस्थापक)		प्रति प्रति (संस्थापक)		प्रति प्रति (संस्थापक)	
		आवधिक	आवधिक	अवधिक	अवधिक	अवधिक	अवधिक	अवधिक	अवधिक	अवधिक	अवधिक	अवधिक	अवधिक	अवधिक	अवधिक	अवधिक
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)
नमूना : वित्तिय प्रदान उप क्षेत्र प्रदान वित्तिय प्रदान, संस्था और वार्ड / पटवारी हक्का : वित्तिय प्रदान																
35	वित्तिय प्रदान वार्ड नंबर 01 वित्तिय	2700	4000	2700	10700	7500	5900	5100	13900	13100	12300	0	0	739000	739000	2700
36	वित्तिय प्रदान वार्ड नंबर 01 वित्तिय	2000	2900	2000	10000	6800	5200	4400	12800	12000	11200	0	0	739000	739000	2000
37	वित्तिय प्रदान वार्ड नंबर 01 वित्तिय	2700	4000	2700	10700	7500	5900	5100	13900	13100	12300	0	0	739000	739000	2700
38	वित्तिय प्रदान वार्ड नंबर 01 वित्तिय	2000	2900	2000	10000	6800	5200	4400	12800	12000	11200	0	0	739000	739000	2000
नमूना : वित्तिय प्रदान उप क्षेत्र प्रदान वित्तिय प्रदान, संस्था और वार्ड / पटवारी हक्का : वित्तिय प्रदान 01																
39	वित्तिय	500	500	500	6500	4500	3300	2900	8900	8100	7300	0	0	584000	292000	500
40	वित्तिय	500	500	500	6500	4500	3300	2900	8900	8100	7300	0	0	584000	292000	500
नमूना : वित्तिय प्रदान उप क्षेत्र प्रदान वित्तिय प्रदान, संस्था और वार्ड / पटवारी हक्का : वित्तिय प्रदान 02																
41	वित्तिय	660	660	660	6660	4660	3460	3060	9060	8260	7460	0	0	804600	404600	660







क्र.सं.	महिला / पालनी / सोलापरी / मजक / मज	प्रत्येक (संकीर्ण)		आवधिक वस्तु (संकीर्ण)				आवधिक वस्तु (संकीर्ण)				कुल महिला वस्तु (संकीर्ण)		कुल महिला वस्तु (संकीर्ण)		कुल महिला वस्तु (संकीर्ण)	
		आवधिक	आवधिक	आवधिक	आवधिक	आवधिक	आवधिक	आवधिक	आवधिक	आवधिक	आवधिक	आवधिक	आवधिक	आवधिक	आवधिक	आवधिक	आवधिक
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)
महिला : वस्तुवस्तु वस्तु वस्तु वस्तु वस्तु वस्तु वस्तु वस्तु वस्तु वस्तु वस्तु वस्तु वस्तु वस्तु वस्तु वस्तु वस्तु वस्तु वस्तु वस्तु																	
42	महिला वस्तु	500	500	500	6500	4500	3300	2900	8900	8100	7300	0	0	584000	292000	500	500
महिला : वस्तुवस्तु वस्तु वस्तु वस्तु वस्तु वस्तु वस्तु वस्तु वस्तु वस्तु वस्तु वस्तु वस्तु वस्तु वस्तु वस्तु वस्तु वस्तु वस्तु																	
43	महिला वस्तु	500	500	500	6500	4500	3300	2900	8900	8100	7300	0	0	464000	224000	500	500
44	महिला वस्तु	500	500	500	6500	4500	3300	2900	8900	8100	7300	0	0	464000	224000	500	500
45	महिला वस्तु	625	625	625	6625	4625	3425	3025	9025	8225	7425	0	0	730000	365000	625	625
46	महिला वस्तु	500	500	500	6500	4500	3300	2900	8900	8100	7300	0	0	584000	292000	500	500
महिला : वस्तुवस्तु वस्तु वस्तु वस्तु वस्तु वस्तु वस्तु वस्तु वस्तु वस्तु वस्तु वस्तु वस्तु वस्तु वस्तु वस्तु वस्तु वस्तु वस्तु																	
47	महिला वस्तु	550	550	550	6550	4550	3350	2950	8950	8150	7350	0	0	510400	246400	550	550
48	महिला वस्तु	500	500	500	6500	4500	3300	2900	8900	8100	7300	0	0	464000	224000	500	500



क्र.सं.	भौगोलिक/संवर्गीकृत/संयोजित/मार्ग/रंग	अवधि (संवर्गीकृत)		आवधिक अर्थ (संवर्गीकृत)				आवधिक अर्थ (संवर्गीकृत)		आवधिक अर्थ (संवर्गीकृत)		आवधिक अर्थ (संवर्गीकृत)		आवधिक अर्थ (संवर्गीकृत)		आवधिक अर्थ (संवर्गीकृत)	
		अवधि	आवधिक	आवधिक	आवधिक	आवधिक	आवधिक	आवधिक	आवधिक	आवधिक	आवधिक	आवधिक	आवधिक	आवधिक	आवधिक	आवधिक	आवधिक
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)
नमूना : टीकमगढ़ उप क्षेत्र : नाल प्लांटिंग क्षेत्र, मंडला और बाट / पटवारी हन्का: 053 प्रतिवारा खाल																	
1173	सुपुर्वात अर्थ	600	600	600	600	600	600	600	600	600	600	600	600	600	600	600	600
नमूना : टीकमगढ़ उप क्षेत्र : नाल प्लांटिंग क्षेत्र, मंडला और बाट / पटवारी हन्का: 053 प्रतिवारा खाल																	
1174	मार्गिक अर्थ	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500
नमूना : टीकमगढ़ उप क्षेत्र : नाल प्लांटिंग क्षेत्र, मंडला और बाट / पटवारी हन्का: 053 प्रतिवारा खाल																	
1175	अवधि	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625



क्रमांक	मोहता / कागजी / समतली / पट्टा / गव	प्रकार (कमीटर)			अवस्थित भूखंड (कमीटर)				आवस्थित भूखंड (कमीटर)				सकलित मूल्य (कमीटर)		मूल्य भूमि (कमीटर)		मूल्य भूखंड (कमीटर)	
		अवस्थित	अवस्थित	अवस्थित	अवस्थित	अवस्थित	अवस्थित	अवस्थित	अवस्थित	अवस्थित	अवस्थित	अवस्थित	अवस्थित	अवस्थित	अवस्थित	अवस्थित	अवस्थित	अवस्थित
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)
सहमील : दीक्षमण्ड उप क्षेत्र : मात प्लाजिंग क्षेत्र, मंड्या और बार्ड / पट्टागी हल्का: 050 मुद्रापुर																		
1168	मुद्रापुर	500	500	500	500	4500	3300	2900	8900	8100	7300	0	0	550000	280000	500	500	500
सहमील : दीक्षमण्ड उप क्षेत्र : मात प्लाजिंग क्षेत्र, मंड्या और बार्ड / पट्टागी हल्का: 051 केमवाली																		
1169	केमवाली	500	500	500	500	4500	3300	2900	8900	8100	7300	0	0	450000	224000	500	500	500
सहमील : दीक्षमण्ड उप क्षेत्र : मात प्लाजिंग क्षेत्र, मंड्या और बार्ड / पट्टागी हल्का: 052 कछियांगिरा																		
1170	कछियांगिरा	550	550	550	550	4550	3350	2950	8950	8150	7350	0	0	501600	246400	550	550	550
सहमील : दीक्षमण्ड उप क्षेत्र : मात प्लाजिंग क्षेत्र, मंड्या और बार्ड / पट्टागी हल्का: 052 कछियांगिरा																		
1171	कछियांगिरा	500	500	500	500	4500	3300	2900	8900	8100	7300	0	0	450000	224000	500	500	500
सहमील : दीक्षमण्ड उप क्षेत्र : मात प्लाजिंग क्षेत्र, मंड्या और बार्ड / पट्टागी हल्का: 052 कछियांगिरा																		
1172	कछियांगिरा	600	600	600	600	4600	3400	3000	9000	8200	7400	0	0	556800	288800	600	600	600



क्रमांक	संस्थान / कार्यालय / निवासस्थान / पदक / श्रेणी	मुखर्षु वर्ग (संकेत)			आवर्तित वर्ग (संकेत)				वर्गगतित वर्ग (संकेत)			वृत्ति मिति (संकेत)		वृत्ति मिति (संकेत)	
		आवर्तित	आवर्तित	आवर्तित	आवर्तित	आवर्तित	आवर्तित	आवर्तित	आवर्तित	आवर्तित	आवर्तित	वृत्ति	वृत्ति	वृत्ति	वृत्ति
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
नवम्बर : टीकमगढ उप क्षेत्र : नान प्वातित क्षेत्र, संख्या और बार्ड / पटवारी हल्का: 048 पटवारी															
1163	वृत्ति और श्रेणी	500	500	500	6500	4500	3300	2900	8900	8100	7300	0	0	454000	224000
नवम्बर : टीकमगढ उप क्षेत्र : नान प्वातित क्षेत्र, संख्या और बार्ड / पटवारी हल्का: 048 पटवारी															
1164	वृत्ति और श्रेणी	500	500	500	6500	4500	3300	2900	8900	8100	7300	0	0	544000	272000
नवम्बर : टीकमगढ उप क्षेत्र : नान प्वातित क्षेत्र, संख्या और बार्ड / पटवारी हल्का: 048 पटवारी															
1165	वृत्ति और श्रेणी	600	600	600	6600	4600	3400	3000	9000	8200	7400	0	0	652000	325400
नवम्बर : टीकमगढ उप क्षेत्र : नान प्वातित क्षेत्र, संख्या और बार्ड / पटवारी हल्का: 048 पटवारी															
1166	वृत्ति और श्रेणी	500	500	500	6500	4500	3300	2900	8900	8100	7300	0	0	544000	272000
नवम्बर : टीकमगढ उप क्षेत्र : नान प्वातित क्षेत्र, संख्या और बार्ड / पटवारी हल्का: 050 पटवारी															
1167	वृत्ति और श्रेणी	500	500	500	6500	4500	3300	2900	8900	8100	7300	0	0	432000	216000



क्रमांक	संस्थान / शाखा / शाखापरी / मध्य / माल	मुख्य (वर्गवार)			अवधीय खंड (वर्गवार)				आवधिक खंड (वर्गवार)			अवधिक खंड (वर्गवार)		अवधिक खंड (वर्गवार)		कुल अंक (वर्गवार)	कुल अंक (वर्गवार)
		अवधीय	अवधिक	अवधिक	अवधीय	अवधिक	अवधिक	अवधिक	अवधिक	अवधिक	अवधिक	अवधिक	अवधिक	अवधिक	अवधिक		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)
1076	महोदय	500	500	500	6500	4500	3300	2900	8900	8100	7300	0	0	588000	284000	500	500
महोदय : टीकमगढ़ उप क्षेत्र : नाल प्लांटिंग क्षेत्र, मंख्या और वार्ड / पटवारी हल्का: 001 बाटी बाटी																	
1077	महोदय	600	600	600	6600	4600	3400	3000	9000	8200	7400	0	0	700800	350400	600	600
महोदय : टीकमगढ़ उप क्षेत्र : नाल प्लांटिंग क्षेत्र, मंख्या और वार्ड / पटवारी हल्का: 002 बाटी बाटी																	
1078	महोदय	1200	1200	1200	7200	5200	4000	3600	9600	8800	8000	0	0	740000	740000	1200	1200
महोदय : टीकमगढ़ उप क्षेत्र : नाल प्लांटिंग क्षेत्र, मंख्या और वार्ड / पटवारी हल्का: 004 अलमपुरा																	
1079	महोदय	1500	1500	1500	7500	5500	4300	3900	9900	9100	8300	0	0	1016600	1016600	1500	1500
महोदय : टीकमगढ़ उप क्षेत्र : नाल प्लांटिंग क्षेत्र, मंख्या और वार्ड / पटवारी हल्का: 004 अलमपुरा																	
1080	महोदय	500	500	500	6500	4500	3300	2900	8900	8100	7300	0	0	588000	284000	500	500



क्र.सं.	मोहम्मद / काकोली / मंगलपट्टी / गडह / गांव	मुहुर ( करोडीटर )		अवधीय भवन ( करोडीटर )				व्यावसायिक भवन ( करोडीटर )				कृषि भूमि ( हेक्टर )		कृषि भूदर ( आकी )		
		अवधीय	व्यावसायिक	औद्योगिक	अवधीय	अ.जी.सी.	रिज हावा	बड़ा कबेनु	रुकान	बावायन	मोहडन	अवधीय	व्यावसायिक		सिंचित	असिंचित
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)
133	गडहारी गांव	770	770	770	6770	4770	3570	3170	9170	8370	7570	0	0	8360000	418000	770
तहसील : टीकमगढ़ उप क्षेत्र : गांव प्लानिंग क्षेत्र, मंगला और चार्ड / गडहारी हल्का: 036 माहुर गांव																
134	गडहारी गांव	500	500	500	6500	4500	3300	2900	8900	8100	7300	0	0	584000	292000	500
तहसील : टीकमगढ़ उप क्षेत्र : गांव प्लानिंग क्षेत्र, मंगला और चार्ड / गडहारी हल्का: 037 गडहारी तिलखारन गांव																
135	गडहारी तिलखारन गांव	800	800	800	6800	4800	3600	3200	9200	8400	7600	0	0	760000	380000	800
तहसील : टीकमगढ़ उप क्षेत्र : गांव प्लानिंग क्षेत्र, मंगला और चार्ड / गडहारी हल्का: 037 गडहारी तिलखारन गांव																
136	गडहारी	500	500	500	6500	4500	3300	2900	8900	8100	7300	0	0	584000	292000	500
तहसील : टीकमगढ़ उप क्षेत्र : गांव प्लानिंग क्षेत्र, मंगला और चार्ड / गडहारी हल्का: 037 गडहारी तिलखारन गांव																
137	गडहारी तिलखारन गांव	800	800	800	6800	4800	3600	3200	9200	8400	7600	0	0	736000	368000	800



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

### Relevant Circular

- Ministry's Circular No. NH-36094/01/2022-S&R(P&B) (E-208825) DT.24.04.2023 . It is regarding the modification of previous Ministry's circular enhancing the amount of performance Bank Guarantee @ Rs. 100/- & Rs. 250/- per running meter.

CHECK LIST FOR GETTING APPROVAL FOR LAYING Pipeline			
Sr. No.	Item	Information/Status	Remarks
1	General Information	Permission for Laying And crossing of Dia 100 to 600mm water pipeline Along and across NH-539 (Tikamgarh –Madumar khas and Anantpura –Heera nagar	
1.1	Name and Address of the Applicant	Madhya Pradesh Jal Nigam Maryadit Project implementation Unit Chhatarpur (MP)	
1.2	NH/SH/MDR Number	NH -539	
1.3	State	Madhya Pradesh	
1.4	Location	Madumarkhas (127+800) to to Amarpur(109+547) and Anantpura (04+570) to Heera nagara T-point (09+720)	Detailed drawing attached
1.5	Chainage in km.	<del>35.420</del> 29.513 km.	
1.6	Length in Meters	Crossing 12 nos.-360 m And laying along road alignment – 29.153 km	
1.7	Width of Availabel ROW		
	A. Left side from centre line (towards increasing Chainage /km. direction)	15 M	
	B. Right side from centre line (towards increasing Chainage km. direction)	15 M	
1.8	Proposal to lay underground water pipeline		
	A. Left side from centre line (towards increasing Chainage/km. direction)	14M, ✓	Details attached in drawing
	B. Right side from center line (towards increasing Chainage/km. direction)	14M, ✓	
1.9	Proposal to Acquire Land	Not required ✓	
	A. Left side of the centre line	Nil	
	B. Right side from the centre line	Nil	
1.10	Whether proposal is in the same side where land is not to be acquire, if not then where to lay the water	NA	
1.11	Details of already laid services, if any along the proposal route	NA	
1.12	Number of lanes (2/4 or 6/8) existing	Intermediate Lane	
1.13	Proposed number of lanes (2 lane with paved shoulders or 4 or 6/8 lane	2 lane with paved shoulders	
1.14	Service road (existing or not) Y/N, if yes then which side	NO	
	A. Left side from centre line (width)	Nil	
	B. Right side from centre line (width)	Nil	

Sub Engineer


Sub Divisional Officer


Sub Divisional Officer




1.15	Proposed service road	Not available	
1.16	Whether proposal to lay water pipeline is beyond the service road of between the service road and main carriageway	Beyond the main carriage way along the road alignment	
1.17	The permission for laying of water pipeline shall be considered for approval/ rejection as based on Ministry Circular mentioned as above	YES	
	A. Carriage of sewage/gas pipeline on highway/bridges shall not be permitted as fumes/gases pipes can accelerate the process of corrosion or may cause explosions, thus being much more injurious than leakage of gas	YES	
	B. Carrying of Gas pipeline on bridges shall also be discouraged, however if the gas authorities seem to have no other viable alternative and approach the highway authority well in time before the design of the bridge is finalized the may be permitted to carry the pipeline in independent superstructure supported on extended portions of piers and abutment in such a manner that in the final arrangement enough free space around the superstructure of the bridge remains available for inspection and repairs etc.	YES	
	C. Cost of required extension of the sub-structure as well as that the supporting superstructure shall be borne by the agency in charge of the utilities	YES	
	D. Services are not being allowed indiscriminately on the parapet/any part of the bridge. Safety of the bridges has to be kept in view while permitting a various services along bridge approvals are to be accorded in this regard with the concurrence of the Ministry's project Chief Engineers only.	YES	
1.18	<b>Is crossing of the road involved</b> , if yes, it shall be either encased in pipelines or through structure or conduit specially built for the purpose at the expenses of the agency owning the line.	Work will be executed through Horizontal directional Drilling with tough M.S. encasing for water supply pipeline while crossing the road.	
	A. Existing drainage structure shall not be allowed to carry the lines	Agreed	
	B. Is it on a line normal to NH	Yes	
	C. Crossing shall be too near the existing structure on the National Highway. The minimum distance being 15 m. What is the distance from the existing structure	No existing structure nearby	
	D. The casing pipe (or conduit pipe in case of electric cable) carrying the utility line shall be of steel cost iron or reinforced Cement concrete and have adequate strength and be large enough to permit ready with drawl of the carrier pipe/cable	Agreed	
	E. Ends of the casing/conduit pipe shall be sealed from the outside, so that it does as a drainage path	Agreed	

  
Sub Engineer



  
Sub Divisional Officer  
P.W.D. (N.H.) Sub Division

  
Sub Divisional Officer



	F. The casing/conduit pipe shall be sealed from drain to in cuts and toe of slope in the fills	Agreed	
	G. The top of the casing/conduit pipe should be at least 0.3 m. below the drain invert	Agreed	
	H. Crossing shall be by boring method (HDD) specially where the existing road pavement is of cement concrete or dense bituminous concrete type	Agreed	
	I. The casing/conduit pipe shall be installed with an even bearing throughout its length and in such a manner as to prevent the formation of a waterway along it	Agreed	
1.18.1	If crossing of the road involved, total No. .... crossing	12 nos	
1.18.2	Location of Crossing i) ii) iii)	1.CH-127+440 2.CH-124+060 3.CH-122+630 4.CH-120+700 5.CH-117+030 6.CH-115+140 7.CH-114+771 8.CH-111+800 9.CH-09+720 10.CH-07+190 11.CH-05+800 12.CH-04+570	
1.18.3	Total crossing charges @ Rs. 1.00 lakh per crossing	12 Lakh	
1.18.4	Deposit Details of crossing charges:- i) Demand Draft No. & Date ii) Issuing Bank iii) Valid upto:-	Agree to deposit	
2	Document/Drawing enclosed with the proposal	Detailed drawing attached	
2.1	Cross section showing the size of the trench for open trenching method if is normal size of 12 deep x0.3m width	NA	
	(i) Should not be greater than 60cm wider than the outer diameter of the pipe	NA	
	(ii) Located as close to the extreme edge of the right of way as possible but not than 15m. from the centre lines of the nearest carriage way	NA	

	(iii) Shall not be permitted to run along the National highway when the road formation is situated in double cutting nor shall these be laid over existing culverts and bridges.	NA	
	(iv) These should be so laid that their top is at least 0.6m below the ground level so as not to obstruct drainage of the road land	NA	
2.2	Cross section showing the size of pit and location of cable for HDD method	Detailed shown in attached Drawing	

*[Signature]*  
Sub Engineer

*[Signature]*

*[Signature]*

*[Signature]*  
Sub Divisional Officer



2.3	Strip plan/route plan showing water pipe line Chainage, width of ROW, distance of proposed cable/Pipeline from the edge of ROW, important mile stone, intersections cross drainage works etc.	Detailed route plan attached	
2.4	Methodology for laying of water pipe line	HDD method for crossing of road & and beyond the edge of ROW open excavation	
2.4.1	Open trenching method (may be allowed in the utility corridor only where pavement is neither cement concrete nor dense bituminous concrete type, if yes methodology or refilling of trench	YES	
	A. The trench width should be at least 30cm but not more than 60cm wider than the outer diameter of the pipe	YES	
	B. for filling of the trench. Bidding shall be to a depth of 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	YES	
	C. The backfill shall be completed in two stages.		
	(i) Side fill to the level the top of the pipe and	YES	
	(ii) Overfill to the bottom of the road crust		
	D. The side fill shall consist of granular material laid in 15m layers each consolidated by mechanical tempering and controlled additional of moisture of 90% of the proctors density over fill shall be compacted to the same density as the material that had been removed Consolidation by saturation or pending will not be permitted.	YES	
	E. The road crust shall be built to the same strength as the existing crust on either side of the trench. Core shall be taken to avoid the formation of dip at the trench	YES	
	F. The excavation shall be protected by flagman signs and barricades and red light during the night hours	YES	
	G. If required, a diversion shall be constructed at the expense of the agency owning utility line	YES	
2.4.2	Horizontal Directional drilling (HDD) method	For crossing across the road	
2.4.3	Laying of water supply pipe line through CD work and Method laying	Agreed	
	A. On approaches the water mains/cables shall be carried along a line as close to the edge of the right of way as possible up to a distance of 30m from the bridge and subject to all other stipulation contained in the ministrys guidelines issued with letter no. NH-HI/p/66/76, Dated 19-11-1976		


Sub Engineer

Sub Divisional Officer

Sub Divisional Officer

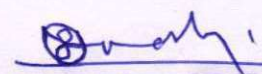


3	Draft license agreement signed by two witnesses	Enclosed	
4	Performance bank guarantee in favour of NHAI has to be obtained @ Rs. 100/- for dia <300mm & 250/- for dia >300mm per running meter (Parallel to Road) for a period of one year initially (Extendable if required till satisfactory completion of work) as a security for ensuring/ making	YES	
	Good the excavated trench for laying the cables/ducts by proper filling and compaction, clearing debris/loose earth produced due to executing of trenching at least 15 m away from the centre line of the road or eddge of the right of way, No. payment shall be payable by the MPRDC to the licensee for clearing debris/Loose earth	YES	
4.1	Performance BG as per above it to be obtained	Yes	
4.2	Confirmation of BG has been obtained:		
5	Affidavit/undertaking from the applicant for	Enclosed	
5.1	Not to damage to other utility, if damaged then to pay the losses either to NH or to the concerned agency		
5.2	Renewal fo bank guarantee		
5.3	Confirming all standard condition of NH guidelines		
5.4	Shifting to water pipeline as and when required by NH at their own cost		
5.5	Shifting due to widening of road		
5.6	Indemnity against all damages and claims		
5.7	Traffic movement during laying of water pipeline to be managed by the applicant		
5.8	If any claim if raised by the Concessionaire (if any) then the same has to be paid by the applicant		
5.9	Prior approval of the NH shall be obtained before undertaking any work of installation, shifting or repairs of alteration to the showing water pipe line located in the right of ways		
5.10	Expenditure if any incurred by NH for repairing any damage cause to the road by the laying Maintenance or shifting of the water pipe line will be borne by the agency owning the line		
5.11	If the NH consider if necessary in future to move the utility line for any work of improvement or repairs of the road. It will be carried out as desired by the NH or the cost of the agency owning the utility line with in a reasonable time (not exceeding 60 days) of the intimation given		
5.12	Certificate from the applicant in the following format		
	I Laying of water pipe line will not have any deleterious effects on any of the bridge components and roadway safety for traffic		

  
Subengineer

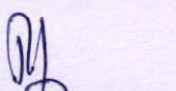
  
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Sub Divisional Officer  
P.W.D. (N.H.) Sub Division


  
Sub Divisional Officer



	ii for future widening/development work: we do undertake that will relocate service road/approach road/utilities at my own cost notwithstanding the permission granted within such time as well be stipulated by MPRDC		
6	Who will sign the agreement on behalf of executing agency	General manager, Madhya Pradesh jalnigam PIU chhatarour	
7	Certificate from the divisional manager		
7.1	Certificate for confirming of all standard condition issued, vide ministry circular no. NH 41/(58)/68 Dated 31.01.1969 Ministry circular no. NHIII/P/66/76/ Dated 11-05-1982 Ministry circular no. RW/NH- 11037/1/88-DOI (ii) dated 02/07/1993 Minister circular no. RW/NH-11037/186/DOI, Dated 19-01-1995		
	Ministry circular no. RW/NH/31066/2/05/S&R, Dated 25/10/1999 and Ministry circular no. RW/NH-34066/7/2003 S&R (B) Dated 17-09-2003		
7.2	Certificate from DM, MPRDC in the following format: (i) It is certified that any other location of the water pipeline would be extremely difficult and unreasonable costly and the installation of water pipeline with in ROW will not adversely affect the design stability and traffic safety of the highway nor the likely future improvement such as widening of the carriageway easig of curve etc.		
	(ii) for 2/4/6 laning		
	(a) Where there is feasibility available I do certify that there will be no hindrance to proposed two/ four/ six lanning based on the feasibility report considering proposed structure at the side location		
	(b) In case feasibility reports is not available – I do certify that sufficient ROW is available at site for accommodating proposed two/ four / six lanning		
8	If Road section proposed to be taken up by MPRDC on BOT basis a clause is to be inserted in the agreement the permitted highway on which licensee has been granted the right to lay water pipe line cable/duct has also been granted as a right to way to the concessionaire under the concession agreement for up gradation of (----- No. --- on build, operate and transfer basis) and therefore the licensee shall Honors the same	NA	

  
Sub Divisional Officer

  
Sub Divisional Officer

  
Sub Divisional Officer

  
Sub Divisional Officer



9	Who will supervise the work of laying of water pipeline	Applicant	
10	Who will ensure that the defects in road portion after laying of water laying of water laying of water pipeline are corrected and if not corrected then what action will be taken ?	Applicant	
11	Who will pay the claims for damages done/ disruption in working of concessionaire if asked by the concessionaire	Applicant	
12	A certificate from EE, NHPWD that he will enter the proposed permission in the register records of the permission in the prescribed proforma (Copy enclosed)	attached	
13	If any previous approval is accorded for laying of underground water pipeline then photo copy of register of records of permission accorded as maintained by EE, NHPWD then copy enclosed.	NA	

*[Signature]*

*[Signature]*  
**General Manager**  
**M.P.Jal Nigam Maryadit**  
**PIU-Chhatarpur (M.P.)**

*[Signature]*  
**Deputy M. Jal Nigam**

**DEPUTY MANAGER**  
**M.P.Jal Nigam Maryadit**  
**PIU-Chhatarpur (M.P.)**

*[Signature]*  
**Subengineer**

PWD NH Subdiv. Sagar (M.P.)

*[Signature]*  
**MANAGER**  
**M.P.JAL NIGAM MARYADIT**  
**P.I.U.-CHHATARPUR (M.P.)**

*[Signature]*  
**Sub Divisional Officer**  
**P.W.D. (N.H.) Sub Division**  
**Chhatarpur (M.P.)**

*[Signature]*  
**Sub Divisional Officer**  
**P. W. D. N. H. Sub Division**  
**SAGAR (M. P.)**



General Manager  
M.P. Jal Nigam Maryadi  
PIU-Chhatrapur (M.P.)

DEPUTY MANAGER  
M.P. Jal Nigam Maryadi  
PIU-Chhatrapur (M.P.)

MANAGER  
M.P. JAL NIGAM MARYADI  
P.I.U.-CHHATRAPUR (M.P.)

Sub Divisional Officer  
P. W. D. & H. B. Division  
JAGGAR (M.P.)





## Undertaking

Undertaking for laying Pipeline from Ch.127+800 TO 109+547 (Parakhas to Madumar) and Ch. 04+570 to 09+720 (Anantpura to heeranagaar Tpoint)

I/We/ M/s MP Jal Nigam Maryadit, PIU Chhatarpur do hereby undertake that:

- We shall not damage other utilities, if damaged then we shall be liable to pay the losses either to NH or to the concerned agency
- The Renewal of Bank Guarantee shall be ensured on time
- We shall carry out work in respect of Confirming all standard conditions of guidelines
- We shall shift Pipeline/OFC line as and when required by NH
- We shall shift Pipeline/OFC due to 6 laning/ widening of road.
- Indemnity against all damages and claims shall be paid.
- We shall ensure traffic movement during laying of Pipeline/OFC as per guideline.
- The Pipeline/OFC shall not be laid over the bridge/culvert structures.
- If any claim is raised by the Concessionaries then the same has to be paid by the applicant.

Signature	
Name:	L L Tiwari
Agency Name	MP Jal Nigam Maryadit, PIU Chhatarpur
Address	Chhatarpur MP 

General Manager  
M.P. Jal Nigam Maryadit  
PIU-Chhatarpur (M.P.)



## **CONSTRUCTION METHODOLOGY FOR LAYING OF MS PIPE BY TRENCHING AND HDD/PIPE JACKING METHOD**

### **1. INTRODUCTION**

For laying of Various dia HDPE & DI pipe (As per attached list) from Km 127+800 to Km 109+547 along NH-539 (Madumarkhas to badagaon) and 04+570 to 09+720 (Anantpura to hiranagar T point), Trenching method will be used to lay the pipeline. For crossing MDR, HDD/Pipe Jacking Method will be used.

### **2. PIPE LAYING ALONG MPRDC ROAD SH-54B**

Trenching will be used to lay pipe along NH-539 (Tikamgarh to Amarpur) and 04+570 to 09+720 (tikamgarh to hiranagar T point) which involves excavating a trench with excavator and backfilling it after laying the MS pipe.

### **2.1 METHODOLOGY**

#### **2.1.1 EXCAVATION**

- i) Complete information on the underground structures / utilities to be collected before doing the excavation work.
- ii) Before commencing trench excavation, the route of the trench shall be set out accurately and the natural ground levels shall be recorded.
- iii) Depth of excavation and pipe invert levels shall be checked by means of boning rods of appropriate lengths.
- iv) Marking centerline and excavation dimensions as per the approved drawing.
- v) In case of presence of ground water at the level of excavation, dewatering shall be done to lower the water table to level below to which excavation is to be made.
- vi) Depending upon the type of soil and the depth of excavation proper safety shall be taken either by providing shoring, timbering, sheet piling or by maintaining a proper slope.
- vii) Pumped out water shall be drained off properly avoiding damage to other existing works. If any pipelines, cables or service lines are likely to be exposed, excavation around these services shall be carried out manually and all such services shall be adequately supported and protected.
- viii) Excavate manually or mechanically to the dimensions marked up to the required depth (i.e. Bottom reduced level).
- ix) Check the excavation as per Inspection & test plan.

#### **2.1.2 SAND BEDDING**

- i) Check the base of excavation for proper leveling and ensure it is cleaned.
- ii) The bottom of the trench shall be properly trimmed off to present a plain surface and shall be leveled.
- iii) Where site situation required necessity of sand bedding, the sand bedding of 150 mm thickness as approved by In-charge.

#### **2.1.3 MILD STEEL PIPE LAYING**

- i) The pipeline shall be laid underground as per the piping arrangements drawings issued for construction.
- ii) Layout and gradient of the line shall be marked on the ground as per Good for construction (GFC) drawings before digging. Pipeline trench shall be cut true to the layout marked on the ground.
- iii) The trench shall be excavated to the size as mentioned in the drawing. The width of the trench shall be sufficient for free working space on the pipe.



- iv) All temporary attachments/ tack welding made on pipes for erection convenience shall be removed and ground smooth.
- v) Wherever road cutting is required for underground pipeline the same shall be carried out carefully and all excavated materials shall be properly stored to reuse the same during backfilling. Suitable barricades and signs shall be provided and necessary work permits as required by refinery standard shall be obtained before commencing the work.
- vi) After Fit-up & Tacking of a joint, the bottom portion of the pipes shall be arrested from rolling by packing With excavated soil free from debris and loose materials.
- vii) Dewatering, if requires, shall be carried out for adequate inspection of bottom of trench before laying Pipeline. Pipeline shall be laid only after complete removal of water from trenches.
- viii) The excavated trench shall be kept in good condition and proper care shall be taken to avoid caving and Setting down of trenches.
- ix) After inserting the pipe inside the trench, the pipe joint will be tack welded, internally/ externally prior to the full welding by the qualified welder.
- x) The lowering of pipes in trenches shall be carried out by mechanical method. Proper care shall be taken during lowering to avoid damage to coating.
- xi) After the pipe is lowered, it shall be laid in correct line and level by use of levelling instruments, sight rails, Theodolites, etc.
- xii) The ends of the pipes shall be provided with end covers after lowering to avoid the entry of soil, stones and Any other foreign materials.
- xiii) The tie-in joints fit up shall be properly carried out such that both pipes are perfectly aligned in plan and profile. Sufficient space shall be provided around the field joint area for the ease of circumferential joints welding. All necessary inspections as required by specification shall be carried out for the field joints and after satisfactory completion the same shall be coated as per tender.
- xiv) After the completion of lowering and satisfactory inspection, the trenches shall be back filled with the excavated materials or suitable materials as per specification.

#### **2.1.4 BACKFILLING**

The sequence of Backfilling shall be as follows:

- i) Confirm the completion of the Pipe laying, which is below the ground.
- ii) Filling in trenches for pipes and drains shall be commenced as soon as the joints of pipe and drains have been tested and passed. The backfilling material shall be properly consolidated taking due care so that no damage is caused to the pipes.
- iii) The backfilling material shall be properly consolidated, taking due care that no damage is caused to the pipes and the outer coating.
- iv) The space between the side of excavated pit and the pipe has to be backfilled with selected earth/murum as per contract specification.
- v) Do the backfill as far as possible from the cut soil of excavation. If this soil is not suitable or quantity is not enough then use from the approved borrow pit.

#### **2.2 PLANT/EQUIPMENTS TO BE USED**

- Crane



- Tractor /trailers / trucks.
- Theodolite 1"
- Levelling instrument.

### 3. PIPE CROSSING MPRDC ROAD

Pipeline Carrying water will be crossing along NH-539 (Tikamgarh to badagaon) and 0+000 to 10+000 (tikamgarh to hiranagar T point) at chanaage, 1.CH-127+440, 2.CH-124+060, 3.CH-122+630, 4.CH-120+700, 5.CH-117+030, 6.CH-115+140, 7.CH-114+771, 8.CH-111+800, 9.CH-09+720, 10.CH-07+190, 11.CH-05+800, 12.CH-04+570. HDD/Pipe Pushing method is to be used for this purpose.

#### 3.1 METHODOLOGY

Considering Present days intensity of traffic and due to fast development of industries, the traffic cannot be disturbed for crossing pipeline by adopting open cut system (Conventional Method) and Trench Less Method is developed. The Trenchless methods minimize damage to the highway, cause little or no disruption of traffic, have less impact on the environment, and occasionally avoid or minimize the handling and disposal of contaminated soils. The method is significant in view of safety, inconvenience of the public and environmental impacts.

The Sequence of work methodology for HDD Method is illustrated below:

- i. With horizontal directional drilling (HDD) the pipeline is bored under the crossing to emerge at a target point on the opposite side.  
A large area of temporary land take is required on either side of the proposed crossing to accommodate the equipment, drilling fluid management system and laydown area for the pipe.
- iii. The directional drilling unit is placed at the start location and is elevated at the rear to the correct Entrance angle.
- iv. The rig is then anchored in position.
- v. The drilling operation begins by drilling a pilot hole using the drill bit, the drill head and the pressure injection of drilling fluid.
- vi. The drilling is carried out continuously in intervals equivalent to one length of drill pipe.
- vii. Location of the drill bit is monitored using the HDD locating system.
- viii. The hole is then enlarged by a back reamer.
- ix. When the bore hole has been reamed out to the correct diameter the back reamer is typically sent back down the bore one or two more times and swabbed in both directions to ensure that the hole is clear of any large objects.

The Sequence of work methodology for Pipe Pushing Method is illustrated below:

- a) Accruing all the details of road cable lines from MPRDC before the start of excavation work.
- b) Excavation of 5- 8m length, 3m width and 5m depth is made before the road boundary to staring excavation point for making work access.
- c) Hole of diameter 1.6 m & length 2.5 meter is made for 1.4m pipe laying and Hole of diameter 1.2 m & length 2.5 meter is made for 1 m pipe laying, using drilling machine for pushing the casing pipe.
- d) Casing Pipe is pushed into the hole by hydraulic machine.
- e) After initial drilling, 2 person at a time is made to send inside the pipe (1.6 m) for soil excavation by manual drilling machine for not more than 15 min



- f) Loose earth shall be taken out. Rotation of people is made between the available team members (ensuring that same people not working back to back).
- g) Site engineers shall ensure that People working inside the pipe for soil excavation should not stay for more than 15 min in order to ensure the safety for people respiration.
- h) Excavation of hole is done for 2-2.5 m per day (for hard soil) and less than 2m (for hard rock)
- i) Ensuring that availability of 2.5m bare length pipes, hydraulic push through machine, Diesel generator, Proper PPE'S.

### 3.2 EQUIPMENT TO BE USED

- a) Hydra
- b) Diesel generator
- c) Power supply cable
- d) Hydraulic push through machine

  
General Manager  
M.P. Jal Nigam Maryadit  
PIU-Chhatarpur (M.P.)





मध्य प्रदेश MADHYA PRADESH

CB 406542

**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 MPJNM 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.
5. We agree not to damage to other utilities, if damages then to pay losses to either PWDNH or to the concerned agency.
6. Indemnity against all damages and claims clause (xxiv)
7. If any claim is raised by the concessionaries then the same has to be paid by the applicant.
8. 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 right of way
9. 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.
10. Traffic movement during laying of water pipe line will be managed by us without causing any hindrance or inconvenience to the traffic movement

  
General Manager  
M.P.Jal Nigam Maryadit



18  
08.07.24

मानव तम २ (मिनीपम) विभाग

कलेक्टर तह - कलेक्टर

9493, 612, 1926

जवाब



नरेश कुमार कुशवाहा  
लाइसेंस 110 स्टाम्प वेंडर  
जिला टीकमगढ़ (म.प्र.)

405243

We do undertake the following:

1. We shall not without prior permission in writing to concerned officer of PWDNH undertake any work of laying repair or replacement of the pipe, on, and off.
2. We shall not damage or alter any utility at the time of execution of the work, the road crossing work and if damaged, shall not be liable either to PWDNH or to the concerned agency.
3. PWDNH shall not be responsible for any damage caused to the underground water line or any activity of PWDNH on permitted Highway. The Parties are agreed that the PWDNH 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 jacking method) and the land will be restored back in original condition after the completion of the job and shall clear the debris/soil from the excavation of HDD/pipeline running to the satisfaction of PWDNH.
5. We agree not to do any other utility, if damaged then we pay losses to PWDNH or to the concerned agency.
6. Indemnity against all damages and claims (if any).
7. If any claim is raised on the concerned agency then the same has to be settled by the concerned agency.
8. Prior approval of the PWDNH shall be obtained before undertaking any work of laying, shifting or repair of the water pipeline in the right of way.
9. Extended, if any, caused by PWDNH for laying and 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.
10. Traffic movement on the highway will be managed by the concerned agency and the PWDNH will be responsible for the traffic movement.

General Manager  
M.P. Jal Nidam




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 PWDNH at the cost of the agency owning the utility line within a reasonable time (not exceeding 60 days) of the intimation given.

(i) Laying of Water Pipeline for drinking water will not have any deleterious effects on any of the bridge components and roadway safety for traffic.

(ii) For future widening "We do undertake that I will relocate service road/approach road/utilities on my own cost notwithstanding the permission granted within such time as will be stipulated by PWDNH


(iii) 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 MPWRD/ PWD for future widening per any other development.

  
**General Manager**  
**M.P.Jal Nigam Maryadit**  
**PIU-Chhatarpur (M.P.)**

### **Certificate**

We certify that:

1. The proposal when implemented will not affect the design, stability and traffic safety of the highway.
2. There will be no hindrance for PWDNH for further development of the road.
3. The proposed pipeline crossing job will not cause any disruption or inconvenience in traffic movement while carrying out the job.
4. Any damage caused to road during pipeline laying job will be restored to its original condition.
5. Debris and Dust will not be disposed on road after execution of Job.
6. Laying of Water pipeline will not have any deleterious effects on any of the bridge component and roadway safety of traffic.
7. There are no obstructions of any Houses, Trees, Electrical Poles where the proposed road crossing of the pipe to be done.

  
9/7/24  
**General Manager**  
**M.P.Jal Nigam Maryadit**  
**PIU-Chhatarpur (M.P.)**



General Manager  
M.P. Lal Nigam  
BHU-Chhatrapati (M.P.)

- of the pipe to be done.
7. There are no obstructions of any Houses, Trees, Electrical Poles where the proposed road crossing roadway safety of traffic.
8. Laying of Water pipeline will not have any deleterious effects on any of the bridge component and
9. Debris and dust will not be disposed on road after execution of job.
10. Any damage caused to road during pipeline laying job will be restored to its original condition.
11. movement while carrying out the job.
12. The proposed pipeline crossing job will not cause any disruption or inconvenience in traffic
13. There will be no hindrance for BWDIN for further development of the road.
14. The proposal when implemented will not affect the design, stability and traffic safety of the highway.
- We certify that

Certificate

General Manager  
M.P. Lal Nigam  
BHU-Chhatrapati (M.P.)

- future widening or any other development.
- notwithstanding the permission granted within such time as will be stipulated by MPWROD BWD for
- (iii) We do undertake that we will relocate service road/approach road/utilities at my own cost
- BWDIN
- my own cost notwithstanding the permission granted within such time as will be stipulated by
- (iii) For future widening "We do undertake that I will relocate service road/approach road/utilities on
- bridge components and roadway safety for traffic.
- (ii) Laying of Water pipeline for drinking water will not have any deleterious effects on any of the
- owning the utility line within a reasonable time (not exceeding 60 days) of the information given
- or repairs to the road, it will be carried out as desired by the BWDIN at the cost of the agency
11. If BWDIN considers it necessary in future to move the utility line for any work of improvement



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

Agreement to lay Telecom cable / OFC cable / electrical cable / pipe line/ ducts etc. from 131+800 to 106+800 Km And 0+00 to 10+00 of land.

This Agreement made this \_\_\_\_\_ day of \_\_\_\_\_ (month) \_\_\_\_\_ of (year) between \_\_\_\_\_ acting in his executive capacity through (hereinafter referred to as the "**Authority (NH)**") which expression shall unless excluded by or repugnant to the context, include his successors in office and assigns) on the one part, and **M/s Madhya Pradesh Jal Nigam Maryadit (MPJNM) PIU-Chhatarpur**, a company registered under the Companies Act, 1956 and having its Registered Office at **located at 8, Arera hill, old jail road, Bhopal-462011 (M.P.)** (hereinafter called the "Licensee") which expression shall unless excluded by repugnant to the context, include his successors/administrator assignees on the second part.

Whereas the Authority is responsible, inter-alia, for development and maintenance of lands in **From Ch.-127+800 to Ch.109+527 and 04+570 to 09+720 of NH No. 539.**

Whereas the Licensee proposes to lay Telecom cable / OFC cable / electrical cable / 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 Ch.-127+800 to Ch.109+527 and 04+570 to 09+720 of NH No. 539.**

And whereas the Authority has agreed to grant such permission for way leave on the SH/NH RoW as per terms and conditions hereinafter mentioned.

Now this agreement witnessed that in consideration of the conditions hereinafter contained and on the part of the Licensee to be observed and performed, the Authority hereby grants to the Licensee permission to lay utility services as per the approved drawing attached here to subject to the following conditions, namely.

1. RoW permissions are only enabling in nature. The purpose of extending the way leave facility on the National Highway RoW is not for enhancing the scope of activity of a utility service provider, either by content or by intent. Further, enforceability of the permission so granted shall be restricted only to the extent of provisions/scope of activities defined in the license agreement & for the purpose for which it 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 laid by the first user, subject to technical requirements being fulfilled. Decision of the Authority in relation to fulfilment 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 clearances, supply of equipment, material, construction, erection, testing 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 of **Rs** \_\_\_\_\_/- (as per attached calculation sheet) to the Authority. The License fee shall become 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 permission 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 interest @ 15% per annum compounded annually.
6. Present policy of the MoRT&H is to provide a 2.00 m wide utility corridor on either side of the extreme edge of RoW. In cases where utility ducts with sufficient space are already available along SH/NH, the utility services shall be laid in such ducts subject to technical requirements being fulfilled.
7. The utility services shall be laid at the edge of the RoW. In case of restricted width of RoW, which may be adequate only to accommodate the carriageway, central verge, shoulders, slopes of embankment, drains, other road side furniture etc; the utility services shall be laid beyond the toe line of the embankments 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 account of fixing and supporting arrangement as assessed by the 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 duct 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 ensured that at no time there is interference with the drainage of the road land and maintenance of the National Highways. Towards this, the top of the utility services shall be at least 0.6 metre below the ground level. However, any structure above ground shall be aesthetically provided for / landscaped with required safety measures as directed by the concerned Authority;
11. 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 Ireland executed following the Specifications of the Ministry.
12. Existing drainage structures shall not be allowed to carry the lines across.
13. The top of the casing/conduit pipe containing the utility services to cross the road shall be at least 1.2m below the top of the sub grade or the existing ground level whichever is lower, subject to being at least 0.3m below the drain inverts. Atypical sketch showing the clearances is given in Attachment-I.
14. The utility services shall cross the National Highway preferable on a line normal to it or as nearly so as practicable.
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 done as nearly vertical as possible. The trench width should be at least 30 cm. But not more than 60 cms wider than the outer diameter of the pipe. Filling of the trench shall conform to the specifications contained here-in-below or as supplied by the Highway Authority.
  - A. 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.
- B. 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.
  - C. 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 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.
  - 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 specifications 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 in to the same condition as it was before digging the trench, clearing debris/loose earth produced due to execution of trenching at least 50m away from the edge of the right of way;
18. All required restoration work subsequent to laying of the cable 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.
19. Prior to commencement of any work on the ground, a performance Bank Guarantee of Rs. \_\_\_\_\_/- (as per attached calculation sheet) 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 or failure caused thereof to 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 recover 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 the 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 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;

21. The Licensee shall shift the utility services within 90 days (or as specified by the respective Authority) from the date of issue of the notice by the concerned Authority to shift/relocate the utility services, in case it is so required for the purpose of improvement/widening of the road/route/highway or construction of flyover/bridge and restore the road/land to its original condition at his own costing risk.
22. The Licensee shall be responsible to ascertain from the respective agency in coordination with Authority, regarding the location of other utilities /underground installations/ facilities etc. The Licensee shall ensure the safety and security of already existing underground installations/utilities/facilities etc. before commencement of the excavation/using the existing cable ducts. The Licensee shall procure insurance from a reputed 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 the cost and risk of the Licensee. The concerned agency in coordination 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 the Authority, the same shall be executed by the Authority at the cost and risk of the Licensee.
25. Grant of License is subject to the Licensee satisfying (a) minimum disruption of traffic and (b) no damage to the highways. As far as possible, the Licensee should avoid cutting of the road for crossing highway, and other roads and try to carry out the work by trenchless technology. In case any 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 road needs 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 standards. 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 recover the amount by forfeiture of the Bank Guarantee.



26. The Licensee shall inform/give a notice to the concerned agency designated by the Authority at least 15 day in advance with route details prior to digging trenches, for fresh or maintenance/repair works. A separate performance Bank Guarantee for maintenance/repair works shall have to be furnished by the Licensee.
27. Each day, the extent of digging the trenches should be strictly regulated so that utility services is laid and trenches filled up before the close of the work that day. Filling should be completed to the satisfaction of the concerned agency designated by the Authority.
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 foraying cables/ducts/pipelines.
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 renewed, unless defaults exist. 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.
30. The permission shall be valid only for the period it is issued and fee deposited. However, the Authority also has a right to terminate the permission or to extend the period of Agreement.
31. That the Licensee shall not undertake any work of shifting, repairs or alterations to the utility services without prior written permission of the concerned agency in coordination with the Authority.
32. The permission granted shall not in any way be deemed to convey to the Licensee any ownership right or any interest in route/road/highway land /property, other than what is herein expressly granted. No use of NH RoW will be permitted for any purpose other than that specified in the Agreement.
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 not 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 geo tagged photographs and geo-tagged video recordings of laying of cables in the trench (with respect to the NH) and after complete 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 authorised 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 has 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 standards 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 practices, 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 conditions 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 Authority for a period of one year for an amount assessed by the Authority as a security for making good the excavated trench by proper filling and compaction, clearing debris, loose earth produced due to excavation 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 required to be borne by the Licensee in mutual agreement with the respective project concessionaires. MoRT &H/ NHAI implementing authorities for the project shall not be liable to the concessionaire in any way in this regard.

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 WHEREOF THE PARTIES HERETO HAVE CAUSED THIS AGREEMENT TO BE EXECUTED THROUGH THEIR RESPECTIVE AUTHORISED REPRESENTATIVES THE DAY AND THE YEAR FIRST ABOVE WRITTEN.

SIGNED SEALED AND DELIVERED FOR AND ON BEHALF OF AUTHORITY (MPRDC).

BY SHRI \_\_\_\_\_  
(Signature, name & address with stamp)

  
General Manager  
M.P. Jal Nigam Maryadit  
PIU-Chhatarpur (M.P.)

SIGNED ON BEHALF OF M/S **Madhya Pradesh Jal Nigam Maryadit (MPJNM) PIU- CHHATARPUR** (MPJNM/LICENSEE)

BY SHRI \_\_\_\_\_  
(Signature, name & address with stamp)

HOLDER OF GENERAL POWER OF ATTORNEY DATED \_\_\_\_\_

EXECUTED IN ACCORDANCE WITH THE RESOLUTION NO. \_\_\_\_\_  
DATED \_\_\_\_\_ PASSED BY HTE BOARD OF  
DIRECTORS IN THE MEETING HELD ON \_\_\_\_\_

IN THE PRESENCE OF (WITNESSES):

1.





**NH 539**

Badagaon to Madumar

**Legend**

PROPOSED PIPELINE

**MANAGER**  
M.P.JAL NIGAM MARYADIT  
P.I.U.-CHHATARPUR (M.P.)

**General Manager**  
M.P.Jal Nigam Maryadit  
PIU-Chhatarpur (M.P.)



H-539

mpora to heera nagar

Google Earth

© 2024 Airbus



Legend

PROPOSED PIPE LINE

MANAGER

M.P.JAI NIGAM MARYADIT  
P.U.-CHHATARPUR (M.P.)

M.P.Jai Nigam Maryadit  
P.U.-Chhatarpur (M.P.)

3 km



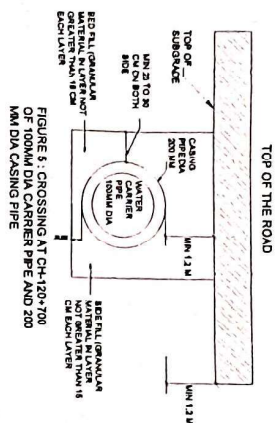


FIGURE 3: CROSSING AT CH-120+700 OF 150MM DIA CARRIER PIPE AND 250 MM DIA CASING PIPE

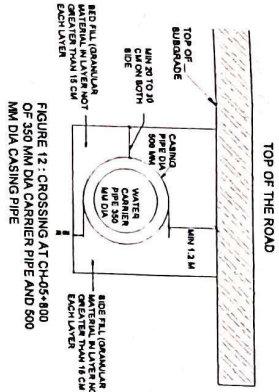


FIGURE 12: CROSSING AT CH-05+800 OF 200 MM DIA CARRIER PIPE AND 800 MM DIA CASING PIPE

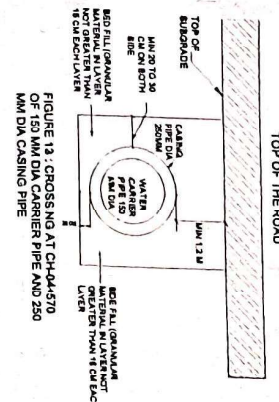


FIGURE 13: CROSSING AT CH-04+570 OF 150 MM DIA CARRIER PIPE AND 250 MM DIA CASING PIPE

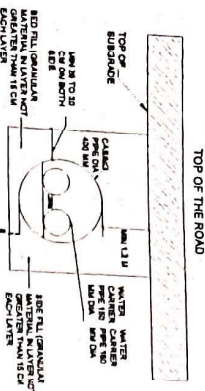


FIGURE 2: CROSSING AT CH-127+440 OF 150MM & 160 MM DIA CARRIER PIPE AND 400 MM DIA CASING PIPE

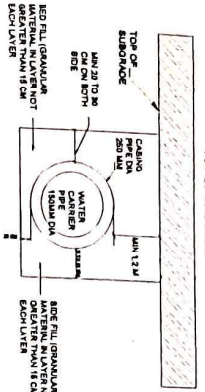


FIGURE 6: CROSSING AT CH-117+000 OF 150MM DIA CARRIER PIPE AND 250 MM DIA CASING PIPE

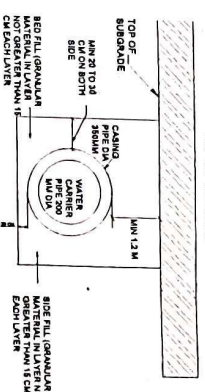


FIGURE 11: CROSSING AT CH-07+180 OF 200 MM DIA CARRIER PIPE AND 350MM DIA CASING PIPE

TOP OF THE ROAD

TOP OF THE ROAD

TOP OF THE ROAD

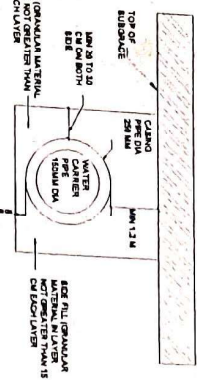


FIGURE 3: CROSSING AT CH-124+090 OF 150MM DIA CARRIER PIPE AND 250 MM DIA CASING PIPE

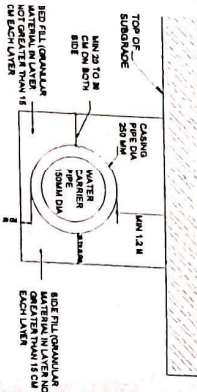


FIGURE 7: CROSSING AT CH-115+140 OF 150MM DIA CARRIER PIPE AND 250 MM DIA CASING PIPE

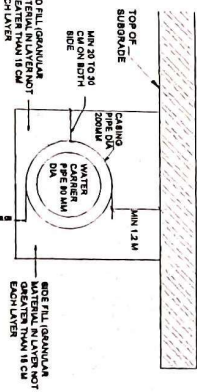


FIGURE 10: CROSSING AT CH-09+720 OF 200 MM DIA CARRIER PIPE AND 350 MM DIA CASING PIPE

TOP OF THE ROAD

TOP OF THE ROAD

TOP OF THE ROAD

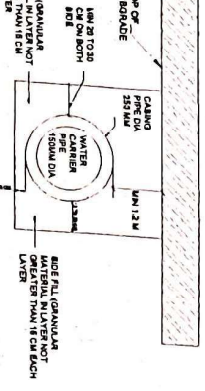


FIGURE 4: CROSSING AT CH-123+430 OF 150MM DIA CARRIER PIPE AND 250 MM DIA CASING PIPE

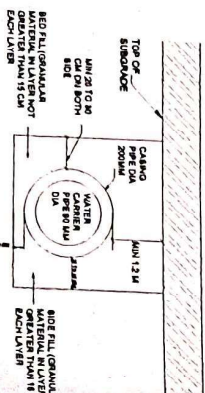


FIGURE 8: CROSSING AT CH-114+771 OF 150MM DIA CARRIER PIPE AND 250 MM DIA CASING PIPE

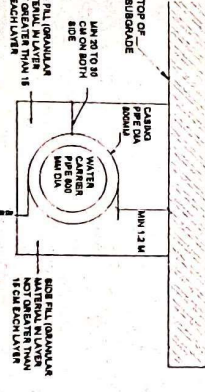


FIGURE 9: CROSSING AT CH-111+800 OF 150MM DIA CARRIER PIPE AND 250 MM DIA CASING PIPE

Sub Divisional Officer  
P.W.D. (M.P.) Sub Division  
Guntur (M.P.)

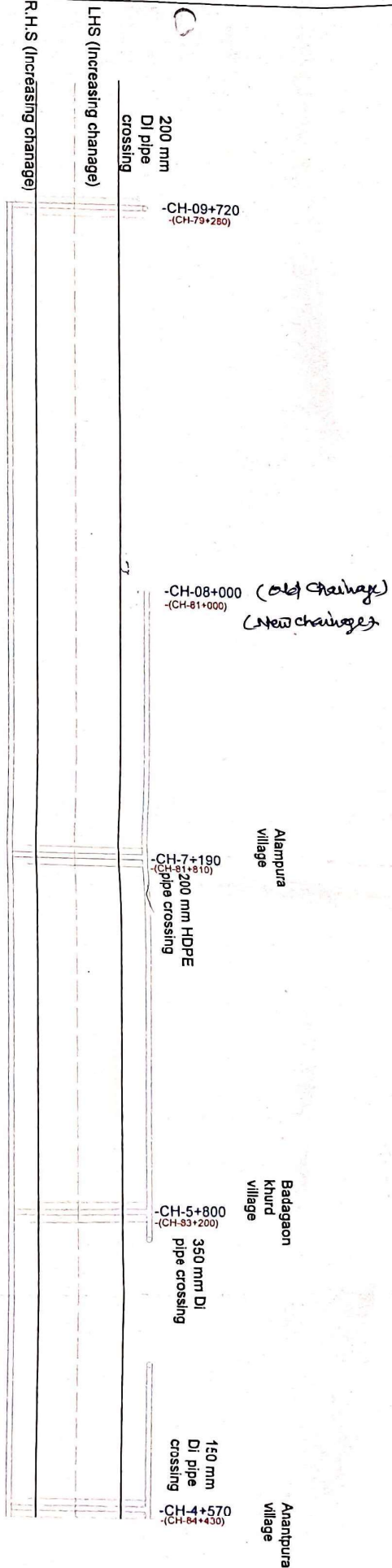
General Manager  
M.P. Jal Nigam Maryadi  
P.U. Chhatrapur (M.P.)

MANAGER  
M.P. JAL NIGAM MARYADI  
P.U. CHHATRAPUR (M.P.)

CLIENT	MADHYA PRADESH JAL NIGAM MARYADI (A GOVT ORG. UNDER TAKIN)
CONTRACTOR	M/S ENVIRO INFRA ENGINEERS LIMITED DELHI
PROJECT	BANSIJARAWULTI VILLAG SCHEME DISTRICT - TIKAMGARH.



# A) Anantpura TO Heeranagar T point



TO  
Jhansi

Village wise length of pipe line

1. Takha - 1000 mtr
2. Anantpura - 1079 mtr [L=550 + R=529]
3. Bahadli khurd - 2976 mtr [L=1000 + R=1976]
4. Alampura - 2100 mtr [L=1100 + R=1000]
5. Hiranagar - 845 mtr.

7900

Sub Divisional Officer  
P.W.D. (R.H.) Sub Division  
Chhatrapur (M.P.)

Bahadli  
khurd  
village

MANAGER  
JAL NIGAM MARYADIT  
P.W.D. CHHATRAPUR (M.P.)

General Manager  
M.P. Jal Nigam  
P.W.D. Chhatrapur (M.P.)

Takha  
village

CLIENT	MADHYA PRADESH JAL NIGAM MARYADIT (A GOVT OF M.P. UNDERTAKING)
CONTRACTOR	M/S ENVIRO INFRA ENGINEERS LIMITED DELHI
PROJECT	BANSUJARAMULTI VILLAGE SCHEME DISTRICT - TIKAMGARH.



Madumar khas village

150 mm DI & 160MM HDPE pipe crossing

CH-127+800

CH-127+440

CH-126+800

CH-125+800

CH-124+800

150 mm DI pipe crossing

CH-124+060

CH-123+800

Jatwa khas village

CH-122+800

CH-122+630

150 mm DI pipe crossing

CH-121+800

Gudamwara village

CH-120+800

CH-120+700

100 mm DI pipe crossing

Basgoi

CH-119+800

conf.....

-CH-119+800  
 -CH-118+800  
 -CH-117+800  
 150 mm DI pipe crossing  
 -CH-117+030  
 -CH-116+800  
 -CH-115+800  
 150 mm DI pipe crossing  
 -CH-115+140  
 -CH-114+800  
 -CH-114+771  
 90 mm HDPE Pipe crossing  
 -CH-113+800  
 -CH-112+800  
 600 mm DI Pipe crossing  
 -CH-111+800  
 -CH-110+800  
 -CH-109+800  
 -CH-109+547

Semmaria village  
 Ainour village  
 AMARPUR

R.H.S (increasing change)  
 L.H.S (increasing change)

**B)TIKANGARH TO BADAGAON**

TO  
Badagaon

- Stefan Jäger*

*[Signature]*  
S. J. B. Division  
S. J. B. Division  
S. J. B. Division

**MANAGER**  
M.P.JAL NIGAM MARYADIT  
P.I.U.-CHHATARPUR (M.P.)

**General Manager**  
**M.P.Jal Nigam Maryadit**  
**PIU-Chhatrapur (M.P.)**

C/IENT	MADHYA PRADESH JAL NISAMAMRAADIT (A GOVT/OM.P. UNDERTAKING)
CONTRACTOR	M/S ENVIRO INFRA ENGINEERS LIMITED DELHI
PROJECT	BANSUJARANULTI VILLAGE SCHEME DISTRICT - TIKAMGARH.