



## भारतीय राष्ट्रीय राजमार्ग प्राधिकरण

(सडक परिवहन और राजमार्ग मंत्रालय, भारत सरकार)

### National Highways Authority of India

(Ministry of Road, Transport & Highway)

परियोजना कार्यान्वयन, इकाई, सोलापूर (महाराष्ट्र)

Project Implementation Unit, Solapur (Maharashtra)

कार्यालय/Office :

प्लॉट नं. ई-२, जय जलाराम नगर, शिवदारे कॉलेजच्या मागे,  
जुळे सोलापूर, सोलापूर - ४१३००४ (महाराष्ट्र)

Plot No. E- 2, Jai Jalaram Nagar, Behind Shivdare College,  
Jule Solapur, Solapur - 413 004. Tel/Fax - 0217 2303379

ई-मेल/Email : solapur@nhai.org; piusolapur@gmail.com

No.: NHAI/PIU/SLP/PS-II/Elec.US/ 1764

Date: 26/07/2021

#### INVITATION OF PUBLIC COMMENTS

Sub: Four laning of Pune Solapur section of NH-65 (Old NH-09) from Km. 150.050 to Km. 251.325 in the State of Maharashtra under NHDP Phase III Pkg. II on DBFOT basis - Request for permission to carry out Horizontal Direct Drilling (HDD) for laying of 11 KV electrical cable at Km. 205+377 and Km. 205+378 under Project Pokharapur Lift Irrigation Scheme on Pune Solapur section of NH-65 in the state of Maharashtra - reg.

Sir,

1. The Executive Engineer Ujani Canal Division No. 9 Mangalwedha regarding request for permission to carry out Horizontal Direct Drilling (HDD) for laying of 11 KV electrical cable at Km. 205+377 and Km. 205+378 under Project Pokharapur Lift Irrigation Scheme on Pune Solapur section of NH-65 in the state of Maharashtra.
2. As per the guidelines, issued by the Ministry Circular RW-NH-33032-01-2017-S&R (R) dated 26.06.2020, the application shall be put out in the public domain for 30 days for seeking claims and objections (on grounds of public inconvenience, safety and general public interest).
3. In view of the above, comments of the public on the above application is invited to the below mentioned address, which should reach by this office within 30 days from the date of publication beyond which no comments shall be entertained.

The Project Director  
National Highways Authority of India  
Project Implementation Unit, Solapur  
Plot No. E-2, Jalaram Nagar,  
Solapur, Maharashtra,  
Pin - 413004.

Thanking you,

भवदीय

परियोजना निदेशक

भा.रा.रा.प्रा. प.का.ई, सोलापूर

Copy to:-

- i. CGM (Tech) RO Mumbai for information please,
- ii. Executive Engineer Ujani Canal Division No. 9 Mangalwedha for information.
- iii. M/s. K & J Projects Pvt. Ltd., Solapur for information.
- iv. M/s. PSRDCL Solapur for information.
- v. Master file.

BHARATMALA  
ROAD TO PROSPERITY

D:\Pune-Solapur(Pkg-II)\Outward letter\29.03.2021 letter to IE - Reg - No objection certificate for commercial purpose Retail Outlet  
Pune-Solapur at Gat no. 208+18-01 Ujani village Tembhum, Solapur (Gat No. 529 P - Copy.docx)

Tel. No.: 011-2507 4100 / 2507 4200 Fax No. : 011-2509 3507 / 2509 3514. Web Site : <http://www.nhai.org>



KNJ/PUNE/SOLAPUR/NHAI/2021-22/84

Date: - 09.07.2021

To,  
**The Project Director,**  
**Project Implementation Unit Solapur**  
National Highways Authority of India  
Plot No. E-2, Jai Jalaram Nagar,  
Behind Shivdare College,  
**Jule Solapur, Solapur-413 004.**

**Subject: -** Consultancy Services for Independent Engineer During Operation and Maintenance Period for 4-Laning of Pune - Solapur Section of NH-65 (Erstwhile NH-09) from Km. 150.050 to Km. 251.325 in the State of Maharashtra under NHDP Phase-III Package – II under DBFOT Basis. –  
**Reg. Request for permission to carry out Horizontal Direct Drilling (HDD) for laying of 11 KV electrical cable at Km. 205+377 and Km. 205+378 under project Pokharapur Lift Irrigation Scheme on Pune Solapur section of NH-65 in the state of Maharashtra.**

Ref: NHAI/PIU/SLP/NH-166/Retail outlet/16029/2021/1382 dated 05.07.2021.

Dear Sir,

We are in receipt of NHAI letter dated 05.07.2021 requesting to verify the proposal for permission to carry out Horizontal Direct Drilling (HDD) for laying of 11 KV electrical cable at Km. 205+377 and Km. 205+378 under project Pokharapur Lift Irrigation Scheme on Pune Solapur section of NH-65 in the state of Maharashtra.

Accordingly, we visited the site and our observations are as follows :

- i. Applicant wants permission for laying of 11 KV underground cable across NH-65 at Ch. 205.377 and Ch. 205.378 by HDD Method.
- ii. At this locations, NHAI ROW at LHS is 22.93 m and at RHS 37.07 m from PCL.
- iii. There is no encroachment has been observed.
- iv. Service road not provided at this location.
- v. We verified the submitted documents and found generally in order.

### **K & J Projects Private Limited**

SHIVAM, 16 NIT Layout, Ravi Nagar, Nagpur 440 033 Maharashtra, India

Tel: 91 712 2556402, Fax: 91 712 2556403 E: [contact@knjprojects.com](mailto:contact@knjprojects.com); [www.knjprojects.com](http://www.knjprojects.com)

CIN No.: U45203MH2004PTC150165

Site Office: Plot No.238, MhadaJuleSolapur, Near VasundharaCollage . Solapur-413003,(Maharashtra)

Tel: 91 217 2301697 Mail ID: - [tl\\_ps@knjprojects.com](mailto:tl_ps@knjprojects.com)

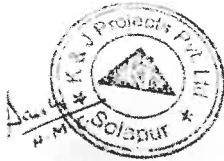


Hence, we recommend that necessary permission may be granted by the competent authority.

This is for your information and necessary action please.

Thanking You.

Yours truly,



**Sanjiv Kumar**  
**HME and Acting Team Leader**  
**K&J Projects Private Limited.**

C.C. : Project Manager, M/s PSRDCL for information please.

**K & J Projects Pvt. Ltd.**

SHIVAM, 16 NIT Layout, Ravi Nagar, Nagpur 440 033 Maharashtra, India

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## भारतीय राष्ट्रीय राजमार्ग प्राधिकरण

(सडक परिवहन और राजमार्ग मंत्रालय, भारत सरकार)

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Plot No. E- 2, Jai Jalaram Nagar, Behind Shivdare College,  
Jule Solapur, Solapur - 413 004. Tel/Fax - 0217 2303379

ई-मेल/Email : solapur@nhai.org; piusolapur@gmail.com

No: NHA/PIU/SLP/NH-166/Retail Outlet/16029/2021/ 1362

Date: 05/07/2021

To,

मे. के. अँड जे. प्रोजेक्ट्स प्रा.लि.

प्लॉट नं.२३८, म्हाडा, जुळे सोलापूर,

वसुंधरा कॉलेज के नजदीक,

सोलापूर- ४१३ ००४.

**Sub:** Design, Engineering, Construction, Development, Finance, Operation and Maintenance of 4 laning of Pune-Solapur section of NH-9 from Km. 144/400 to Km. 249/000 in the State of Maharashtra under NHDP Phase III Pkg. II on DBFOT basis - Request for permission to carry out Horizontal Direct Drilling (HDD) for laying of 11 KV electrical cable at Km. 205+377 and Km. 205+378 under Project Pokharapur Lift Irrigation Scheme on Pune Solapur section of NH-65 in the state of Maharashtra - reg.

**Ref:**

- 1) Executive Engineer Ujani Canal Division No. 9 Mangalwedha letter no. 1753 dated 02.07.2021.

Sir,

1. With reference to the above cited subject, please find enclosed herewith proposal received from Executive Engineer Ujani Canal Division No. 9 Mangalwedha regarding Request for permission to carry out Horizontal Direct Drilling (HDD) for laying of 11 KV electrical cable at Km. 205+377 and Km. 205+378 under Project Pokharapur Lift Irrigation Scheme on Pune Solapur section of NH-65 in the state of Maharashtra. The copy of the proposal is enclosed herewith for information & perusal please.
2. In view of above, it is requested verify the same at site and convey your comments to this office as the prevalent MoRT&H Guidelines at an earliest.
3. This is for your information & further necessary action.

धन्यवाद !

भवदीय

परियोजना निदेशक

भा.रा.प्रा. प.का.ई, सोलापूर

संलग्न: उपरोक्त

प्रतः:

- 1) Project Manager, M/s. PSRDCL Solapur for information.
- 2) Executive Engineer Ujani Canal Division No. 9 Mangalwedha Dist. Solapur for information.
- 3) Master file.



**BHARATMALA**  
ROAD TO PROSPERITY

0. Pune Solapur (Pkg-II) Outward letter (02.07.2021) letter: 01E-Reg-NOC for laying of 11 KV underground electrical cable at Km. 205+377 & 205+378 by HDD.

Head Office : No. G 5 & 6, Sector 10, Dwarka, New Delhi-110 075

Tel. No.: 011-2507 4100 / 2507 4200 Fax No. : 011-2509 3507 / 2509 3514. Web Site : <http://www.nhai.org>



Digitized Service Year 2021

Please Visit Water Resources Department <https://wrd.maharashtra.gov.in>

Email-[ujjanimangalwedha@gmail.com](mailto:ujjanimangalwedha@gmail.com)

Outward No. UCD-9/PB/ 1753 /2021

Office of Executive Engineer , Ujjani Canal

Division No. 9 Mangalwedha Dist. Solapur

Pin. 413305 Landline :-02188-220342

Date :- 02/07/2021

To,

✓ The Project Director-NHAI,  
Project Implementation Unit,  
Solapur Division,  
Solapur- 413004

आवक क्र. /Inward.....	1108
प.का.ई. /PIU	
सोलापूर. /Solapur	
दिनांक. /Date.....	02/07/2021

**Subject-Request application for permission to carry out the Horizontal Direct Drilling (HDD ) at NH-65 of Chainage 205+377 KM and 205+378 KM for laying of 11KV underground Electrical Cable. under Project-Pokharapur lift Irrigation Scheme Regarding.**

**Ref- Your Office Letter No NHAI /PIU/SLP /NH-9(65) / Retail Outlet / 2020-21 /204 Dated- 20/04/2021**

Dear Sir,

With reference to the above subject, we would like to inform you that, under the Lift Irrigation Scheme Pokharapur Lift Irrigation scheme was sanctioned. As per approved of this project, 11KV underground Electrical Cable crossing at pune-solapur National Highway Road ( NH 65) at chainage 205+377 and 205+378.

In connection to the above we here submitting the proposals for permission to carry out the Horizontal Direct Drilling (HDD ) method to cross the road at chainage 205+377 KM and 205+378 of Pune -Solapur National Highway 65.

We request you to grant permission to carry our above work we shall do the restoration work as per the NHAI guidelines and specification at our own cost.

We will request to accept the acknowledge our application letter and kindly issue the demand note and permission for the above said work.

We are attaching the Plan and cross section drawing for your reference and records.

Thanking you,



(N. V. Joshi)

Executive Engineer

Ujjani Canal Division No. 9

Mangalwedha

Copy- Superintending Engineer, Bhima Canal Circle, Solapur for necessary information.

Copy- Executive Engineer, Ujjani Hydro Electric Division, Indapur for necessary information and taking action .

Copy — Sub Divisional Engineer, Ujjani Canal Sub Dn -61 Ashti for necessary information .



Digitized Service Year 2021

Please Visit Water Resources Department <https://wrd.maharashtra.gov.in>

Email-ujjanimangalwedha@gmail.com

Outward No. UCD-9/PB/ 1753 /2021

Office of Executive Engineer , Ujjani Canal

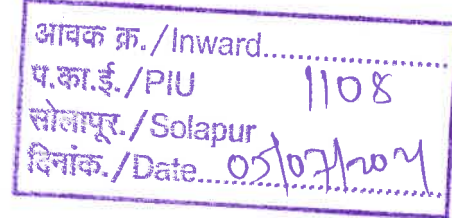
Division No. 9 Mangalwedha Dist. Solapur

Pin. 413305 Landline :-02188-220342

Date :- 02/07/2021

To,

✓ The Project Director-NHAI,  
Project Implementation Unit,  
Solapur Division,  
Solapur- 413004



**Subject-Request application for permission to carry out the Horizontal Direct Drilling (HDD ) at NH-65 of Chainage 205+377 KM and 205+378 KM for laying of 11KV underground Electrical Cable. under Project-Pokharapur lift Irrigation Scheme Regarding.**

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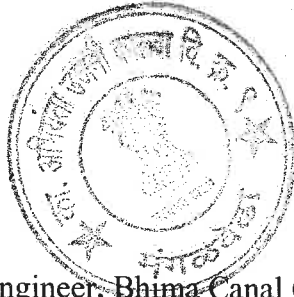
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### Check List

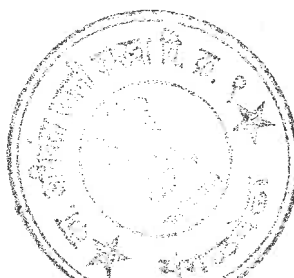
Guidelines for project directors for processing the proposal of 11 KV Under Ground Cable in the land across the national highways vested with NHAI.

#### **Relevant circulars**

- 1) Ministry circular No.RW/NH-330044/17/2000-S&R Dated 29/09/2000
- 2) NHAI's circular no.NHAI/OEC/ 2K/ Vol-II dated 07/11/2000, which includes the comprehensive guidelines and Draft lease agreement for laying of OFC cable by private party in the land along National Highway vested with NHAI.
- 3) Ministry's circular No RW/ NH- 33044/29/ 2015/ S&R (R) dated 22/11/2016. It is regarding the modification of previous Ministry's circular enhancing the amount of performance bank guarantee @Rs...../- per route metre in place of earlier rate of Rs. ..../- per route metre.

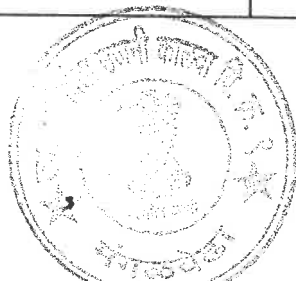
Check list for getting approval for laying of Underground Electrical cables on NH land.

Sr.No.	Items	Information/ Status	Remark
1	General information	Pokharapur LIS 11 KV Under Ground Power Cable across NH 65 at KM 205.377 and KM 205.378 of 2 Crossing in the state of Maharashtra of National Highway Authority of India Land. For This Purpose, Power cable will be laid by Under Ground Trenching Method.	
1.1	Name and Address of the applicant	Executive Engineer ,Ujjani Canal Division No-9, Mangalvedha, Irrigation Colony,At-Post- Magalvedha Dist- Solapur, Maharashtra-413305,India	
1.2	National Highway Number	NH -65	
1.3	State	Maharashtra	
1.4	Location	11 KV Under Ground Power Cable across NH 65 at KM 205.377 and KM 205.378 of 2 Crossing Crossing Location at KM 205.377 and KM 205.378	
1.5	(Chainage in kilometre )	205+377,205+378	
1.6	Length in metres	60 meters	
1.7	Wight of available ROW	LHS = 22.93m, RHS=37.07m Total=60 Meter	
	A left side from centre line towards increasing chainage/ kilometre direction	22.93m	
	B Right side from centre line towards increasing chainage/ kilometre direction	37.07m	
1.8	Proposal to power line		
	A left side from centre line towards increasing chainage /kilometre direction		
	B Right side from centre line towards increasing chainage /kilometre direction		
1.9	Proposal to acquire land	NA	
	A left side from Central Line	No	
	B right side from centre line	No	



  
**Executive Engineer**  
 Ujjani Canal Division No.2  
 Mangalwedha

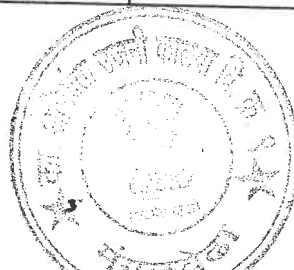
1.10	whether proposal is in the same side where land is not to be acquired.	NA	
	If not where where to power line		
1.11	Details of already laid services, if any, along the proposed route.	N.A	
1.12	Number of lanes (2/4/6/8 lanes ) Existing	4 Lanes with paved shoulder	
1.13	Proposed number of lanes ( 2 lane with paved shoulders /4/ 6/8 lanes )		
1.14	Service Road existing or not	No	
	If yes then which side		
	A. Left side from Central Line		
	B. Right side from centre line		
1.15	Proposed Service Road	No	
	A. Left side from Central Line		
	B. Right side from centre line		
1.16	whether proposal to lay cable is after the service road or between the service road and remain carriageway	NA	
1.17	The permission of laying power line shall be considered for Approval/ Rejection.	To be Consider for approval	
	i)Where are ROW is more than 45m then the duct cable shall be laid at the edge of right of way within the utility corridor of 2 m width, duly keeping in view the future widening.	NA	
	ii) Weather land is yet to be acquired for 4 laning and the position of new carriageway has been decided then the cable Shall be laid at the edge of right of way within the utility at the edge of right of way within the utility corridor of 2 metre width, ion that side of existing carriageway whether extra land is not proposed to be acquired for 4 laning.	NA	
	iii) Where the widening plan for 4 laning is not yet decided and available ROW is around 30 m or less, a judicious decision would need to be taken for permitting the laying of cable /duct.This could be within 1.5 m to 2 metreof utility corridor at the edge of existing ROW, Duly keeping in view and possible widening plans.	NA	
	iv) where ROW is restricted and adequate only to accommodate the carriageway, central verge, shoulders and drains ( example highways in cutting through hilly /rolling terrain), the cable shall be laid elar of the drain.	NA	



  
**Executive Engineer**  
**Ujjain Canal Ddivision No 9**  
**Mangalwedha**

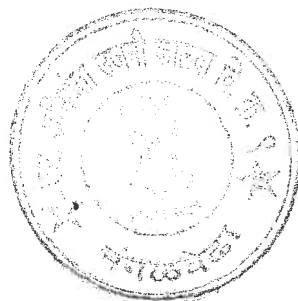


	v ) Where land strip for utility corridor cannot be conveniently earmarked (available ROW restricted to the toe of the embankment) for laying of powerline the permission may be refused.	NA	
1.18	No. of applicant on the same stretch.		1
1.19	whether the case of multiple license	No	
1.2	If so furnish a joint implementation program to lay their respective Ducts within stipulated time frame.	NA	
1.21	If crossing of road involved If yes it shall only be through trench-less technology .	Yes	
1.22	Document/ Drawings enclosed with the proposal.	Yes	
2.1	Cross section showing the size of trench for open trenching method	NA	
2.2	Cross section showing the size of pit and location of HDD method	Yes	
2.3	Strip plain route plan showing the power line changing width of ROW, distance of proposed, the edge of ROW important line stone, intersections, cross drainage works at etc.	NA	
2.4	Methodology for laying of powerline	Yes, Enclosed	
2.4.1	Open trenching method. Yes methodology of refilling of trench.	NA	
2.4.2	Horizontal Directional Drilling (HDD) method	Yes	
2.4.3	Laying power line through CD works and method of laying (whether to be hung outside parapet)	NA	
3	Draft license agreement signed by two witnesses	Yes	
	Performance Bank guarantee	BG Shall be submitted as soon as permission obtained from NHAI	
4.1	Perform BG as per ministry's circular NO RW/ NH-3304 4/29/ 2015- S &(R) dated 22/11/ 2016 to be obtained @ Rs. 100/- per meter length.	Yes	
4.2	Confirmation of BG has been obtained as per NHAI Guidelines.	Yes	
5	Affidavit undertaking from the applicant for		
5.1	Not to damage to other utility if damaged	Yes Enclosed	
5.2	Renewal of Bank Guarantee	Yes Enclosed	
5.3	Confirming all standard condition of NHAI's Guideline	Yes Enclosed	
5.4	Shifting of powerline as and when required by NHAI	Yes Enclosed	



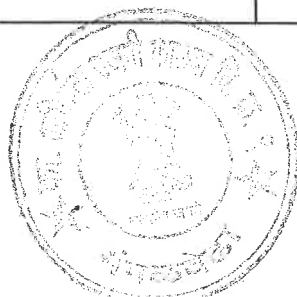
Executive Engineer  
Ujjani Canal Division No 9  
Mangalwedha


5.5	Shifting due to 6 lanning /widening of NH	Yes Enclosed	
5.6	Indemnity against all damages and claims clause (XXIV)	Yes	
5.7	Traffic movement during laying of power line to be managed by the applicant	Yes	
5.8	If any claim is raised by the concessionaire then the same has to be paid by the applicant.	Yes	
5.9	Prior approval of NHai shall be obtained before undertaking any work of installation shifting or repairs or alteration to the showing power line located in the national highway right- of- way	Yes	
5.10	Expenditure if and incurred by NHAH for repairing any damage caused to the national highway by laying, maintenance or shifting of the power line will be horne by the agency owing the line.	Yes	
5.11	If NHAH considers it necessary in future to move the Underground Cable for any work of improvement or repairs to the road, it will be carried out as desired by NHAH at the cost of the agency owing the power line within reasonable time (not exceeding 60 days of the information given)	Yes	
5.12	Certificate from the applicant in the following format	Yes	
	1) Laying of power line will not have any deleterious effect on any of bridge components and roadway safety for traffic.	Yes	
	2)For-6 Lanning ,β We do undertake that we will relocate service road/ approach Road/ utilities at our own cost notwithstanding the permission granted with in such time as well as stipulated by NHAH, for future 6 laning or any other development.	Yes	
6	Who will sign the agreement be half of Licensee for Underground Cable Crossing.	Executive Engineer ,Ujjani Canal Division No-9, Mangalvedha, Irrigation Colony,At- Post- Magalvedha Dist- Solapur, Maharashtra-413305,India	
7	Certificate from the Project Director	Yes	



**Executive Engineer**  
Ujjani Canal Ddivision No 9,  
Mangalwedha

7.1	Certificate for confirming of all standard condition issued vide Ministry circular No. NH-4(58)/68 Dated 31/1/2/1969 Ministry circular No NH-111/P/6/76 Dated 18/19/11/1976 Ministry circular NoRW/ NH/111/P/66776 Dated 11.05.1982 Ministry circular No-RW/NH/110371/1/86 DOI (2) dated 28.07.1993 Ministry circular No-RW/NH/110371/1/86 DOI (2) dated 19.01.1995 Ministry circular No-RW/NH/34066/2/95 SGR dated 25.10.1999 Ministry circular No-RW/NH/34066/2/95 SGR (D) dated 25.10.1999, ministry Circular No. RW/ NH - 34016/2/95/S&R 17.09.2003	Yes	
7.2	Certificate from the Project Director in the following format.	Yes	
	(I) It is certified that any other location of the Underground Cable would be extremely difficult and unreasonable costly and installation of Underground Cable Within ROW will not adversely affect the design, stability and traffic safety of the Highway nor the likely the future improvement such as widening of carriage way, easing of curve etc.		
	(II) for 6 laning		
	(III) Where feasibility is available "I do certify that there will be no hinrance to proposed 6 laning based on the feasibility report considering proposed structure at the said location		
	(IV) In case of feasibility report is not available "I do certify that sufficient ROW is available at site for accomodating proposed 6 laning		
8	If NH section proposed to be taken up by NHA1 on BOT basis -a clause is to be inserted in the agreement," The permitted highway on which licensee has been granted the right of lay cable /duct has also be granted as a right of way to the concern under the concession agreement for up-gradation of Pune Solapur Section of NH -65 from KM 150.050 to KM 251.325 on Build, operate and Transfer Baris and therefore the Licensee Shall honour the same."		
9	Who will supervise the work of laying of Under Ground Cable.	Executive Engineer ,Ujjani Canal Division No-9, Mangalvedha, Irrigation Colony,At-Post- Magalvedha Dist- Solapur, Maharashtra-413305,India	



  
**Executive Engineer**  
 Ujjani Canal Ddivision No 9  
 Mangalwedha

	(a) on be half of the Applicant	Executive Engineer, Ujjani Canal Division No.9, Mangalvedha Tal-Mangalvedha Dist- Solapur.	
	(b) on be half of the NHAI		
10	Who will ensure that the defects in road portion after laying of power line are corrected and if not corrected then what action will be taken .	Executive Engineer ,Ujjani Canal Division No-9, Mangalvedha, Irrigation Colony,At- Post- Magalvedha Dist- Solapur, Maharashtra-413305,India	
11	Who will pay the claims for damages done/ disruption in working of concessionaire if asked by the concessionaire	Executive Engineer ,Ujjani Canal Division No-9, Mangalvedha, Irrigation Colony,At- Post- Magalvedha Dist- Solapur, Maharashtra-413305,India	
12	A certificate from PD that he will enter the proposed permission in the register of records of the permissions in the prescribed proforma (copy enclosed) issued vide ministry circular No. RW/ NH- 33044/27 /2005/ S& R "R" ( Pt). dated 06/ 08/ 2013 .		
13	If any previous approval is accorded for laying of cable, then Photocopy of Register of records of permissions accorded as maintained by PD (as per ministry circular No. RW/ NH/3 3044/ 17/ 2000 S&R dated 23/ 7 /2003) as referred in para 13 above is enclosed or not		



  
**Executive Engineer**  
**Ujjani Canal Ddivision No 9**  
**Mangalwedha**



महाराष्ट्र MAHARASHTRA

2020

BA 524593

सोलापूर अ. क्र. २६ दिनांक : २१/०६/२०२१  
कार्यकारी अभियंता  
उजनी कालवा विभाग क्र. १  
मंगळवेढ्या जमरले स्टॅम्प मागितलेवरून  
चा स्टॅम्प भरलीस  
चा स्टॅम्प दिले  
५००,  
५००.  
ओ. जे. नं. शेख  
मुख्य अधिकारी, जिल्हाधिकारी आवादी, सोलापूर  
परवाना क्र. EST1993 फोड नं. 2501001  
मो. नं. 9637237477



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

Agreement to lay Underground Electrical cable Crossing etc. at KM 205.377 and KM 209.378 of NH - 65 at NHAI land.

This agreement made this..... day of ..... (month) .....of ( year) between National Highway Authority of India acting in his executive capacity through .....( hereinafter referred to as the "Authority" which expression shall unless excluded by or repugnant to the context, include his successors in office and assigns) on the one




Executive Engineer  
Ujjani Canal Division No 9  
Mangalwedha

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

4. The Licensee shall pay license fees @ Rs...../ sq m/ month to the Authority. The License fee shall become payable from the date of handing over of RoW land to the Licensee, for laying of utilities/ cables /conduits/ pipe lines 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 the 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 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 this National Highways. Towards this, the top of the utility services shall be at least 0.6 meter below the ground level. However, any structure above ground shall be aesthetically 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



  
**Executive Engineer**  
**Ujjain Canal Division No 9**  
**Mangalwedha**

and shall be designed in accordance with the provision of IRC and executed following the Specifications of the Ministry.

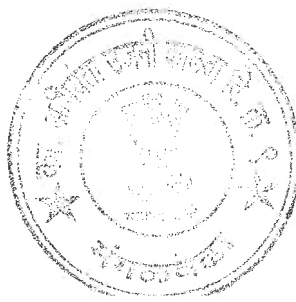
12. Existing drainage structures shall not be allowed to carry the lines across.
13. The top of the casing/conduit pipe containing the utility services to cross the road shall be at least 1.2m below the top of the sub grade or the existing ground level whichever is lower , subject to being at lease 0.3m below the drain inverts. A typical 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 confirm to the specifications contained here-in-below or as supplied by the Highway Authority.
  - a) Bedding shall be to a depth and 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 the selected material.
  - b) The backfill shall be completed in two Stages (i) side fill to the level of the top of the pipe (ii) over fill 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 pounding 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 50 m 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



  
**Executive Engineer**  
**Ujjain Canal Division No 9**  
**Mangalwedha**

representative in consultation with the Authority as per predetermined time schedule and quality standards.

- 19 Prior to commencement of any work on the ground, a performance Bank Guarantee @ Rs..... per route meter /Rs..... per sq m with a validity of one year initially (extendable if required till satisfactory completion of work) shall have to be furnished by the Licensee to the Authority / its designated agency as a security against improper restoration of ground in terms of filling/ unsatisfactory compaction damages caused to other underground installations/utility services and 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 cost and risk.
- 22 The Licensee shall be responsible to ascertain from the respective agency in co-ordination with Authority, regarding the location of other utilities/underground installations/facilities etc. The Licensee shall ensure the safety and security of already existing underground installation/ utilities /facilities etc. before commencement of the excavation/ using the existing cable ducts. The Licensee shall procure insurance from the 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.

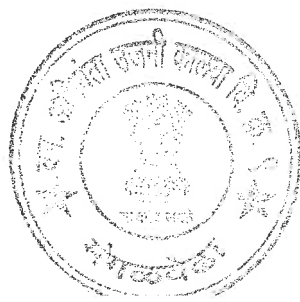


  
Executive Engineer  
Ujjain Canal Division No 9  
Mangalwedha



The concerned agency in coordination with the 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 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 work. 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 coordination with Authority, against all damages and claims, if any due to the digging of trenches for laying cables /ducts.
- 29 The permission for laying utility services is granted maximum for 5 years at a time, which can thereafter be considered for renewal. On payment of additional fee at the time of renewal, the permission shall automatically be 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.



  
**Executive Engineer**  
**Ujjain Canal Division No 9**  
**Mangalwedha**

- 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 co-ordination 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 authorized representatives of Authority to inspect the Project Facilities and to investigate any matter within their Authority, and upon responsible 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



  
Executive Engineer  
Ujjain Canal Division No 9  
Mangalwedha

of any part of the utility lines /industrial infrastructure facilities and which practices, methods and standards shall be adjusted as necessary, to make 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 and excavated trench by proper filling and compaction, cleaning debris, loose earth produced due to excavation of trenching at least 50 m away from the age 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. MORTH&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.



  
**Executive Engineer**  
**Ujjani Canal Division No 9**  
**Mangalwedha**

SIGNED SEALED AND DELIVERED FOR AND ON BEHALF OF AUTHORITY .

BY SHRI.....

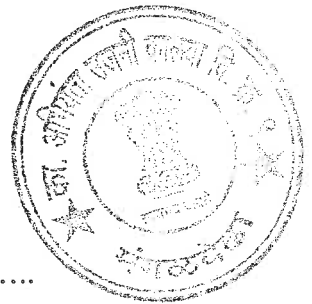
(Signature, name & address with stamp)

SIGNED ON BEHALF OF M/S .....(LICENSEE)

BY SHRI.....

(Signature, name & address with stamp)

  
**Executive Engineer**  
**Ujjani Canal Division No 9**  
**Mangalwedha**

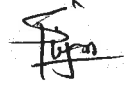


HOLDER OF GENERAL POWER OF ATTORNEY DATED.....

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. *Suryakant S. Pujari* 

2. *Deviyani D. Khurde* 



महाराष्ट्र MAHARASHTRA

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XX 737678

सोलापूर अ. नं. ८२८३ दिनांक : २४/६/२०२१  
श्री/श्री. कार्यकारी अभियंता न. ५/२४/२०२१  
उजनी कालवा विभाग कालवा स्टॅम मणिलेवरून  
वांगी क. मंगळवेढा या स्टॅम भरतीस  
हा स्वयं १००, या स्टॅम दिले  
स्वयं १००,



Annexure 5.1

श्री. जे. ए. शेख  
मुद्रांक विक्रेता, जिल्हा अरी आवार, सोलापूर  
परवाना क्र. EST199 कोड नं. 2501001  
मो. नं. 9637237477

UNDER TAKING

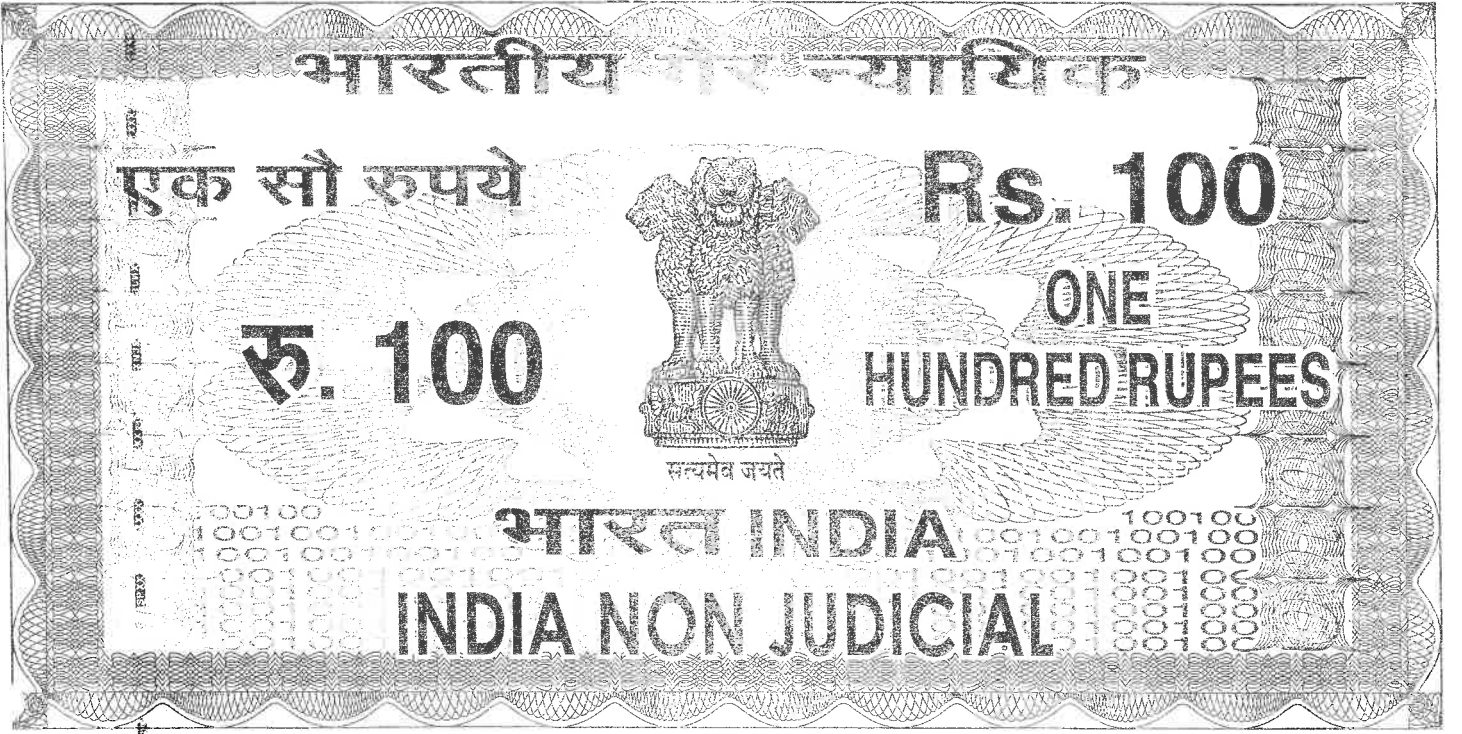
We, Executive Engineer ,Ujjani Canal Division No-9, Mangalvedha, Irrigation Colony, At-Post- Magalvedha Dist- Solapur, Maharashtra-413305,India Here by do undertake in reference to an ROW application for Crossing of 11KV Under Ground Power Cable across NH- 65 at Km 205+377 and 205+378 for Pokharapur lift Irrigation Scheme from 33/11KV Hivare Substation, Near Hivare Village, Tal- Mohol, Dist Solapur for total length of 2X60 =120 MTR in the state of Maharashtra

That,

We will not damage other utility while laying our Underground Cable, in case if it is damaged then the loses will be paid to NHA or the concerned owing agency as per the direction by NHA.



Executive Engineer  
Ujjani Canal Ddivision No 9  
Mangalwedha



महाराष्ट्र MAHARASHTRA

2020

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सोलापूर अ. नं. 250 दिनांक : 24/06/2021

श्री. / सौ.

कार्यकारी अभियंता

यांनी रु

उजनी कालवा विभाग क्र 9

हा रुपये

900

रुपये

900

मंगळवेढा  
जिल्हा शास्त्रज्ञ  
आ स्टॅम्प दिले

2021



Annexure 5.2

श्री. ए. ए. शिंदे

मुद्रांक विभेता, विस्तारित नरी आवार, सोलापूर

परवाना क्र. EST199 कोड नं. 2501001

सो. नं. 9007237477

UNDER TAKING

We, Executive Engineer ,Ujjani Canal Division No-9, Mangalvedha, Irrigation Colony, At-Post-Magalvedha Dist- Solapur, Maharashtra-413305,India Here by do undertake in reference to an ROW application for Crossing of 11KV Under Ground Power Cable across NH- 65 at Km 205+377 and 205+378 for Pokharapur lift Irrigation Scheme from 33/11KV Hivare Substation, Near Hivare Village, Tal- Mohol, Dist Solapur for total length of 2X60 =120 MTR in the state of Maharashtra That,

1. EEUCDN-9, Manglvedha Shall submit performance bank guarantee as and when the demand note is raised by NHAI.
2. EEUCDN-9, Manglvedha Shall renew the performance bank guarantee as and when required if work is not completed in one-year time of the submission of the B.G.



Executive Engineer  
Ujjani Canal Division No 9  
Mangalwedha



महाराष्ट्र MAHARASHTRA

2020

XX 737673

सोलापूर अ. न. ४२५६ दिनांक १५/०६/२०२१  
श्री. / सी. कार्यकारी अभियंता ल. व. दुर्गा  
उजनी कालवा विभाग, ज. अ. म. मंगळवेढा  
यांनी हा रुपये हा रुपये  
रुपये १००



Annexure 5.3

श्री. जे. ए. शेख  
मुद्रांक विभाग, जिराहा नरी आवार, सोलापूर  
परवाना क्र. EST196 कोड नं. 2501001  
मो. नं. 9637237477

UNDER TAKING

We, Executive Engineer ,Ujjani Canal Division No-9, Mangalvedha, Irrigation Colony, At-Post-Magalvedha Dist- Solapur, Maharashtra-413305,India Here by do undertake in reference to an ROW application for Crossing of 11KV Under Ground Power Cable across NH- 65 at Km 205+377 and 205+378 for Pokharapur lift Irrigation Scheme from 33/11KV Hivare Substation, Near Hivare Village, Tal- Mohol, Dist Solapur for total length of 2X60 =120 MTR in the state of Maharashtra

That,

We will be carrying out the Underground Cable laying as per the specification and standards of NHAI and execution will confirm all the standards condition of NHAI guidelines.



Executive Engineer  
Ujjani Canal Division No 9  
Mangalwedha





महाराष्ट्र MAHARASHTRA

2020

XX 737671

सोलापूर अ. न. २०२० दिनांक : २१/६/२०२१  
कार्यकारी अभियंता  
श्री/सौ. उज्जनी कालवा विभाग क्र. ९  
यांनी रु. मंगळवेढा  
हा खर्च १००, या स्टॅम्प भरतीस  
रुपये १५० या स्टॅम्प दिले



Annexure 5.4

#### UNDER TAKING

We, Executive Engineer ,Ujjani Canal Division No-9, Mangalvedha, Irrigation Colony, At-Post- Magalvedha Dist- Solapur, Maharashtra-413305,India Here by do undertake in reference to an ROW application for Crossing of 11KV Under Ground Power Cable across NH- 65 at Km 205+377 and 205+378 for Pokharapur lift Irrigation Scheme from 33/11KV Hivare Substation, Near Hivare Village, Tal- Mohol, Dist Solapur for total length of 2X60 =120 MTR in the state of Maharashtra

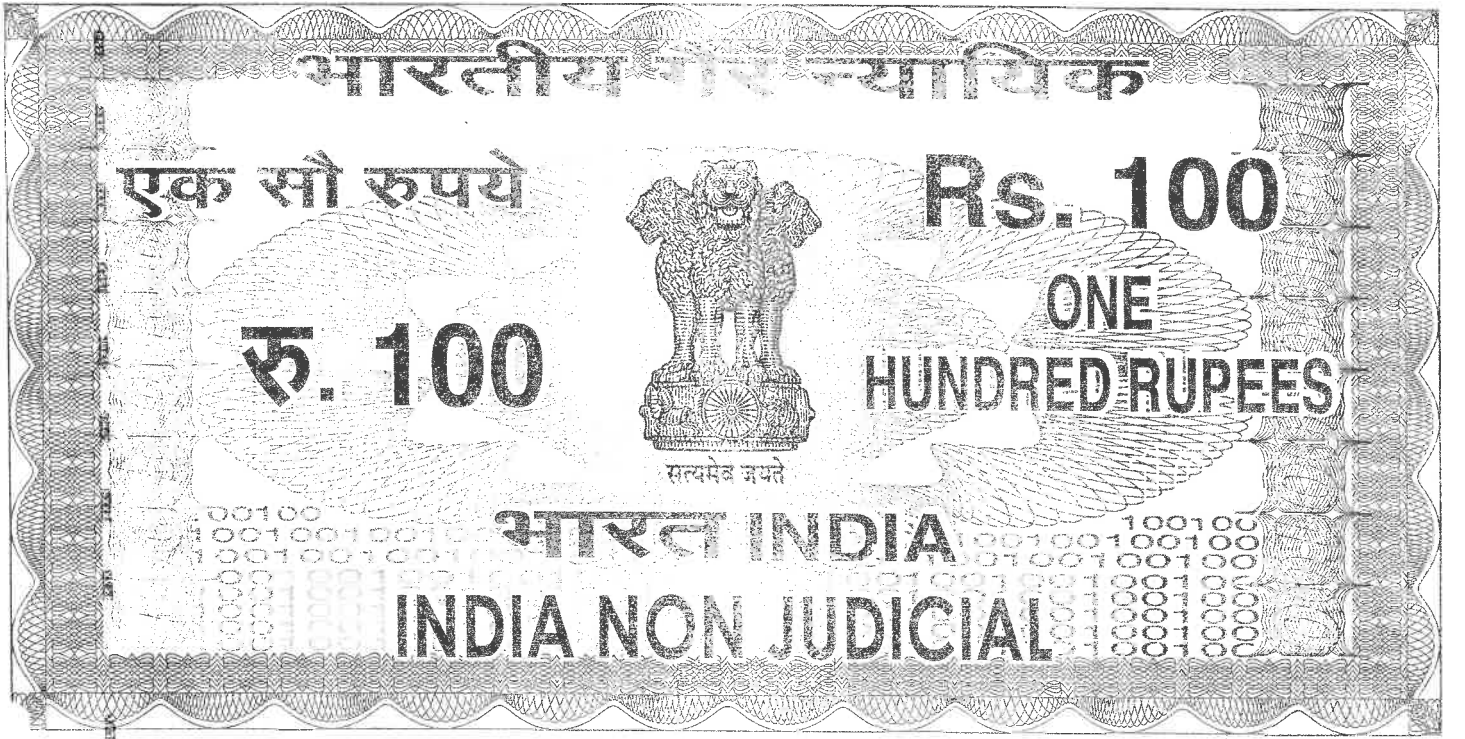
That,

We will shift our Underground Cable at our own cost as an when required by NHAI Authority with in such times as stipulated time by NHAI.



Executive Engineer  
Ujjani Canal Ddivision No 9  
Mangalwedha





महाराष्ट्र MAHARASHTRA

2020

XX 737669

सोलापूर अ. न. ४२०४ दिनांक : २१/०६/२०२१  
श्री. / श्री. कार्यकारी अभियंता  
यांनी रु. उजनी कालवा विभाग क्र ९  
हा रुपये १०० मंगळवेढा  
रुपये १०० या स्टॅम्प भरतीस  
या स्टॅम्प दिले २०२१



Annexure 5.5

श्री. सी. ए. शेख  
मुद्रांक विक्रेता, जिल्हाधिकारी आचार, सोलापूर  
परवाना क्र. ESI 139 कोड नं. 2501001  
मो. नं. 9807237477 UNDER TAKING

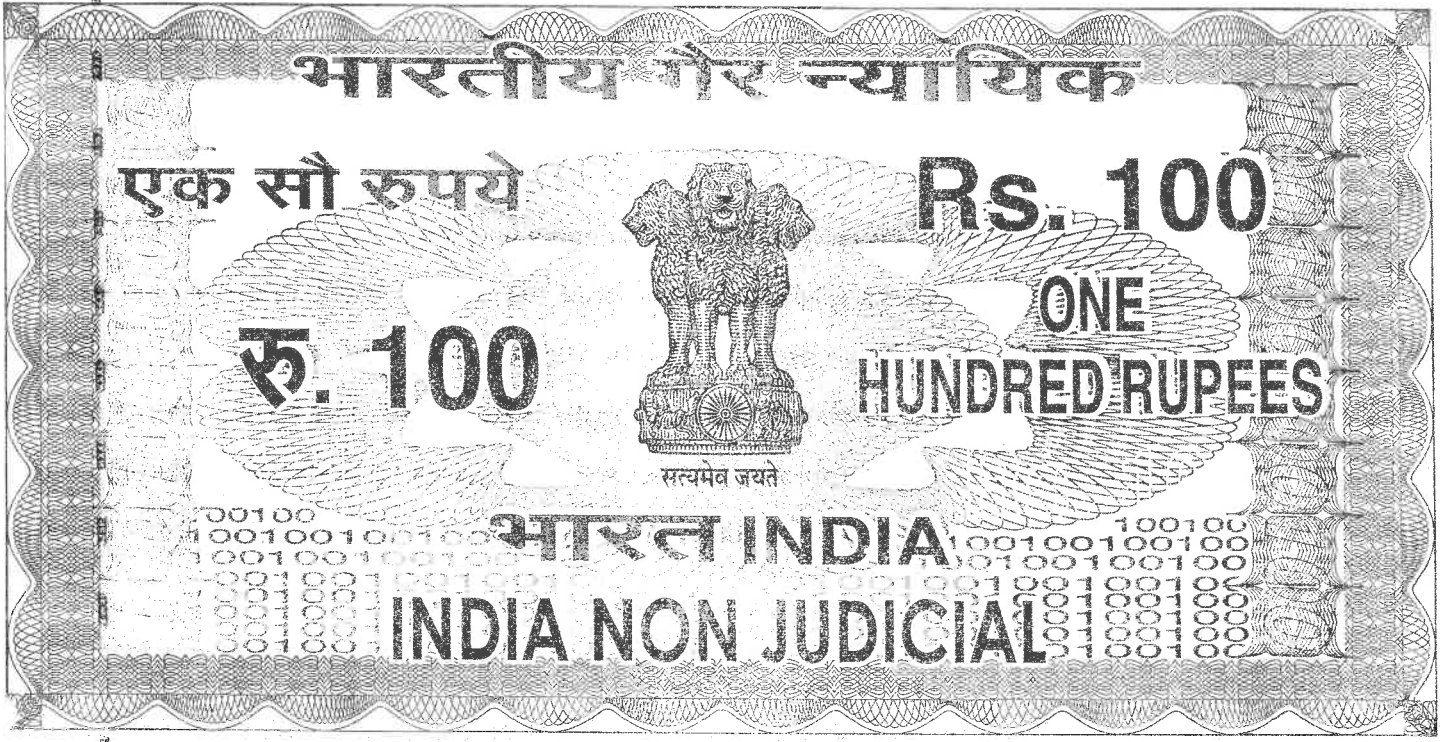
We, Executive Engineer ,Ujjani Canal Division No-9, Mangalvedha, Irrigation Colony, At-Post-Magalvedha Dist- Solapur, Maharashtra-413305,India Here by do undertake in reference to an ROW application for Crossing of 11KV Under Ground Power Cable across NH- 65 at Km 205+377 and 205+378 for Pokharapur lift Irrigation Scheme from 33/11KV Hivare Substation, Near Hivare Village, Tal- Mohol, Dist Solapur for total length of 2X60 =120 MTR in the state of Maharashtra

That,

We will relocate Underground Cable at our cost, notwithstanding the permission granted with in such time as will be stipulated by NHAi for further expansion.



Executive Engineer  
Ujjani Canal Ddivision No 9  
Mangalwedha



महाराष्ट्र MAHARASHTRA

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XX 737668

सोलापूर अ. नं. २८२७३ दिनांक : २/०६/२०२१  
श्री/सौ. कार्यकारी अभियंता  
उजनी कालवा विभाग क्र. ९ १७/६ २०२१ को  
यांनी रु. मंगळवेढा येथील ११ क्वी. मी. वॉटर पाविल्लेवरून  
हा रुपये ५५५ रु. स्टॅम्प भरतोंस  
रुपये ९५५ रु. दा स्टॅम्प दिले



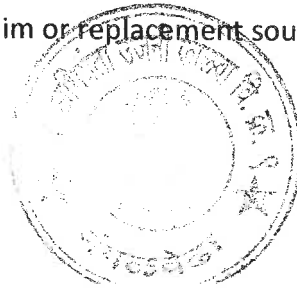
श्री. जे. ए. शेख  
Annexure मुद्रांक विक्रेता, जिल्हाधिकारी आवार, सोलापूर  
परधाना क्र. EST199. कोड नं. 2501001  
मो. नं. 9657237477

UNDER TAKING

We, Executive Engineer ,Ujjani Canal Division No-9, Mangalvedha, Irrigation Colony, At-Post- Magalvedha Dist- Solapur, Maharashtra-413305,India Here by do undertake in reference to an ROW application for Crossing of 11KV Under Ground Power Cable across NH- 65 at Km 205+377 and 205+378 for Pokharapur lift Irrigation Scheme from 33/11KV Hivare Substation, Near Hivare Village, Tal- Mohol, Dist Solapur for total length of 2X60 =120 MTR in the state of Maharashtra

That,

1. EEUCDN-9, Manglvedha Shall be solely responsible / liable for full compensation / indemnification of concerned agency / aggrieved owners for any or direct or consequential damages caused to them / Claim or replacement sought for at our cost and risk.



Executive Engineer  
Ujjani Canal Ddivision No 9  
Mangalwedha



महाराष्ट्र MAHARASHTRA

2020

XX 737665

सोलापूर अ. न. २२५० दिनांक १२/०६/२०२१

श्री. / सी. कार्यकारी अभियंता, उजनी कालवा विभाग, मंगळवेढा, जिल्हा सोलापूर, महाराष्ट्र

यांनी रु. १०० हा रुपये रूपये १०० चा स्टॅम्प भरतील या स्टॅम्प दिले

Annexure 5.7

श्री. व. न. शेख  
मुद्रांक विक्रेता, जिल्हा कार्यालय, सोलापूर  
परवाना क्र. EST199 कोड नं. 2501001  
मो. नं. 9607237477

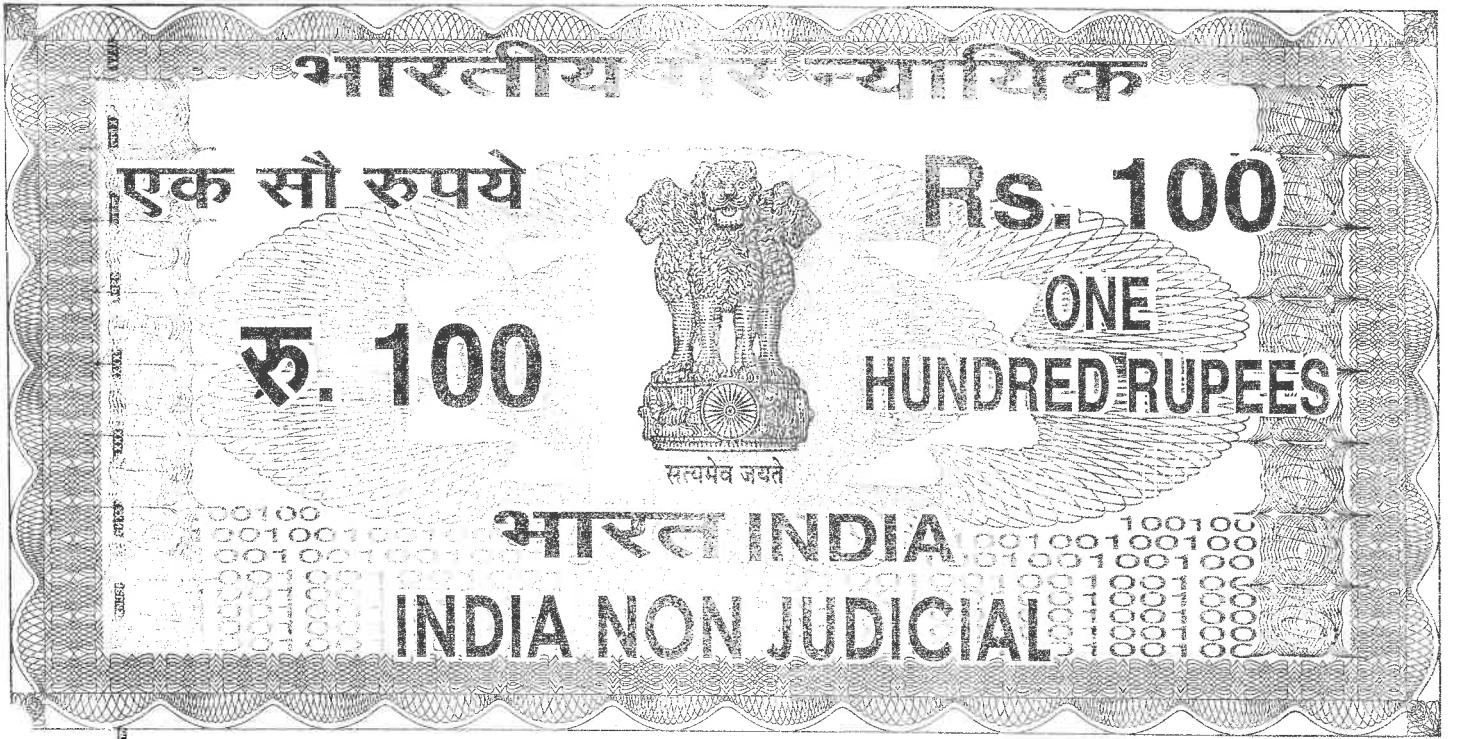
UNDER TAKING

We, Executive Engineer ,Ujjani Canal Division No-9, Mangalvedha, Irrigation Colony, At-Post-Magalvedha Dist- Solapur, Maharashtra-413305,India Here by do undertake in reference to an ROW application for Crossing of 11KV Under Ground Power Cable across NH- 65 at Km 205+377 and 205+378 for Pokharapur lift Irrigation Scheme from 33/11KV Hivare Substation, Near Hivare Village, Tal- Mohol, Dist Solapur for total length of 2X60 =120 MTR in the state of Maharashtra That,

The traffic movement during laying of Underground Cable will be managed by EEUCDN-9, Manglvedha, in coordination with Traffic Police, Adequate arrangement for cautioning the traffic by way of caution board during day time and danger light at night will provided by EEUCDN-9, Manglvedha.



Executive Engineer  
Ujjani Canal Ddivision No 9  
Mangalwedha



महाराष्ट्र MAHARASHTRA

2020

XX 737663

सोलापूर अ. न. ४२६६ दिनांक : २१/६/२०२१

श्री. / सी. कार्यकारी अभियंता

यांनी रु उजनी कालवा विभाग क्र ९

हा रुपये १०० मंगळवेढा

रुपये १००.

या रकमेची भरतीस

का रकम दिली

२१/६



Annexure 5.8

श्री. से. ए. शिंदे  
मुद्रांक विभाग, पिलहर्ग, जरी आवार, सोलापूर  
परवाना क्र. EST-190 कोड नं. 2301001  
सो. नं. 903/237477

UNDER TAKING

We, Executive Engineer ,Ujjani Canal Division No-9, Mangalvedha, Irrigation Colony, At-Post- Mangalvedha Dist- Solapur, Maharashtra-413305,India Here by do undertake in reference to an ROW application for Crossing of 11KV Under Ground Power Cable across NH- 65 at Km 205+377 and 205+378 for Pokharapur lift Irrigation Scheme from 33/11KV Hivare Substation, Near Hivare Village, Tal- Mohol, Dist Solapur for total length of 2X60 =120 MTR in the state of Maharashtra

That,

If any claim is raised by concessionaries of the project, then the same will be paid by EEUCDN-9, Mangalvedha.



Executive Engineer  
Ujjani Canal Division No 9  
Mangalwedha





महाराष्ट्र MAHARASHTRA

2020

XX 737661

संलग्नक क्र. न. २२६६ दिनांक : २/६/२०२१  
श्री. / कार्यकारी अभियंता  
उजनी कालवा विभाग क्र. ९ स्टॅम्प मागितलेवरून  
यांची स. मंगलवेडा या स्टॅम्प भरतीस  
हा रु. १००; या स्टॅम्प दिले  
रुपये १००;



Annexure 5.9

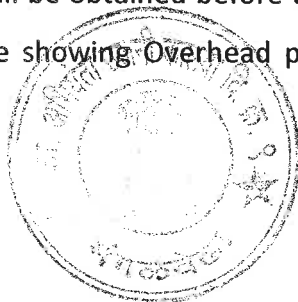
श्री. वी. वी. शेख  
मुद्रांक अधिकारी, विलुप्त नगरी आधार, सोलापूर  
परवाना क्र. ६३८१९९ कोड नं. २५०१००१  
मो. नं. ९६३७२३७४७७

#### UNDER TAKING

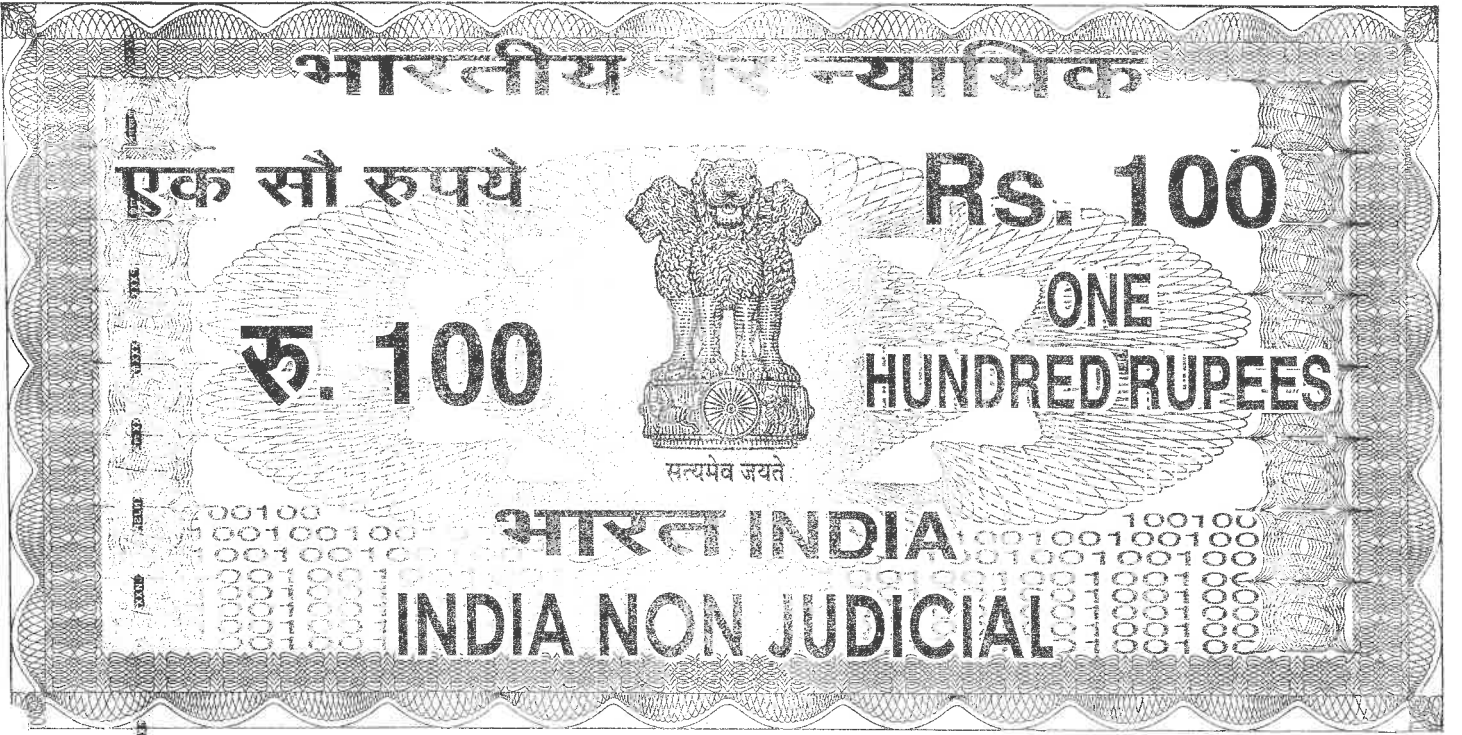
We, Executive Engineer ,Ujjani Canal Division No-9, Mangalvedha, Irrigation Colony, At-Post- Mangalvedha Dist- Solapur, Maharashtra-413305,India Here by do undertake in reference to an ROW application for Crossing of 11KV Under Ground Power Cable across NH- 65 at Km 205+377 and 205+378 for Pokharapur lift Irrigation Scheme from 33/11KV Hivare Substation, Near Hivare Village, Tal- Mohol, Dist Solapur for total length of 2X60 =120 MTR in the state of Maharashtra

That,

The prior approval of NHA shall be obtained before undertaking any work of installation, shifting or repairs, or alteration to the showing Overhead power lines located in the ROW of National Highway – 65



Executive Engineer  
Ujjani Canal Division No 9  
Mangalwedha



महाराष्ट्र MAHARASHTRA

2020

XX 737659

सोलापूर अ. न. ४२६४ दिनांक : २१/६/२०२१

श्री/सौ. कार्यकारी अभियंता

उजनी कातवा विभाग क्र ९

यानी रु. मंगळवेढा

हा रुपये

रुपये

१००  
१००

चा स्टॅम्प भरतीस  
चा स्टॅम्प दिले



Annexure 5.10

श्री. शिखर  
मुद्रांक विभक्तता, जि. उजनी कातवा विभाग, सोलापूर  
पत्ता क्र. ESI/9/2021 कोड नं. 2501001  
दि. नं. १००७३७५७७

### UNDER TAKING

We, Executive Engineer ,Ujjani Canal Division No-9, Mangalvedha, Irrigation Colony, At-Post-Mangalvedha Dist- Solapur, Maharashtra-413305,India Here by do undertake in reference to an ROW application for Crossing of 11KV Under Ground Power Cable across NH- 65 at Km 205+377 and 205+378 for Pokharapur lift Irrigation Scheme from 33/11KV Hivare Substation, Near Hivare Village, Tal- Mohol, Dist Solapur for total length of 2X60 =120 MTR in the state of Maharashtra

That,

Expenditure, if any incurred by NHAI for repairing any damages caused to the national highway by the laying, maintenance or shifting or the overhead power line will be borne by EEUCDN-9, Mangalvedha.



Executive Engineer  
Ujjani Canal Ddivision No 9  
Mangalwedha



महाराष्ट्र MAHARASHTRA

2020

XX 737657

सोलापूर अ. नं. ४२६२ दिनांक: २/६/२०२१  
श्री. / मी. कार्यकारी अभियंता उजनी कालवा विभाग क्र ९ मंगळवेढा  
यांची रु. १०० मगळवेढा  
हा रुपये १०० या स्टॅम्प भरतीस  
रुपये १०० या स्टॅम्प दिले



Annexure 5.11

श्री. जे. ए. शेख  
मुद्रांक विक्रेता, जिल्हा कार्यालय आचार, सोलापूर  
परवाना क्र. EST199 सोड नं. 2501001  
मो. नं. 9607237477

UNDER TAKING

We, Executive Engineer ,Ujjani Canal Division No-9, Mangalvedha, Irrigation Colony, At-Post-Mangalvedha Dist- Solapur, Maharashtra-413305,India Here by do undertake in reference to an ROW application for Crossing of 11KV Under Ground Power Cable across NH- 65 at Km 205+377 and 205+378 for Pokharapur lift Irrigation Scheme from 33/11KV Hivare Substation, Near Hivare Village, Tal- Mohol, Dist Solapur for total length of 2X60 =120 MTR in the state of Maharashtra

That,

If NHAI is considered it necessary in future to move the Underground Cable for any work of improvement or repair to the road, it will be carried out as desired by NHAI at the cost of EEUCDN-9, Mangalvedha (Owing the Underground Cable) with in stipulated reasonable time (Not Exceeding 60 days.) of the intimation given.



Executive Engineer  
Ujjani Canal Division No 9  
Mangalwedha



महाराष्ट्र MAHARASHTRA

2020

XX 737655

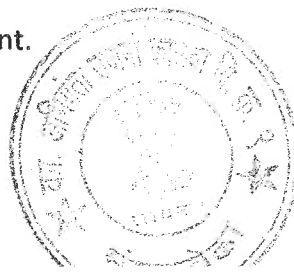
सोलापूर अ. न. ४२६० दिनांक : २१/६/२०२१  
श्री. / सौ. कार्यकारी अभियंता त. व. उजनी  
श्री. / सौ. उजनी कालवा विभाग कोटल स्टॅम्प मॉडलिंग  
हो. १०० मंगळवेढा  
आ. ५.१३



श्री. जे. ए. शेख  
मुद्रांक विक्रेता, जिल्हा कार्यालय, सोलापूर  
परवाना क्र. EST199 कोड नं. 250100 UNDER TAKING

We, Executive Engineer, Ujani Canal Division No-9, Mangalwedha, Irrigation Colony, At-Post-Mangalwedha Dist- Solapur, Maharashtra-413305, India Here by do undertake in reference to an ROW application for Crossing of 11KV Under Ground Power Cable across NH- 65 at Km 205+377 and 205+378 for Pokharapur lift Irrigation Scheme from 33/11KV Hivare Substation, Near Hivare Village, Tal- Mohol, Dist- Solapur for total length of 2X60 =120 MTR in the state of Maharashtra That,

1. Laying of Underground Cable will not have any deleterious effects on any of bridge components and road way safety for traffic
2. For 6 lanes, we do under take relocate service road/ approach road/ utilities at our own cost not with standing the permission granted with in such time as well as stipulated by NHAI for future 6 lanes or any other development.



Executive Engineer  
Ujani Canal Ddivision No 9  
Mangalwedha



## Methodology of Laying 3 core 300 sq mm cable of GI pipe 150 mm by HDD method

- **As per MJP CSR Specification –**

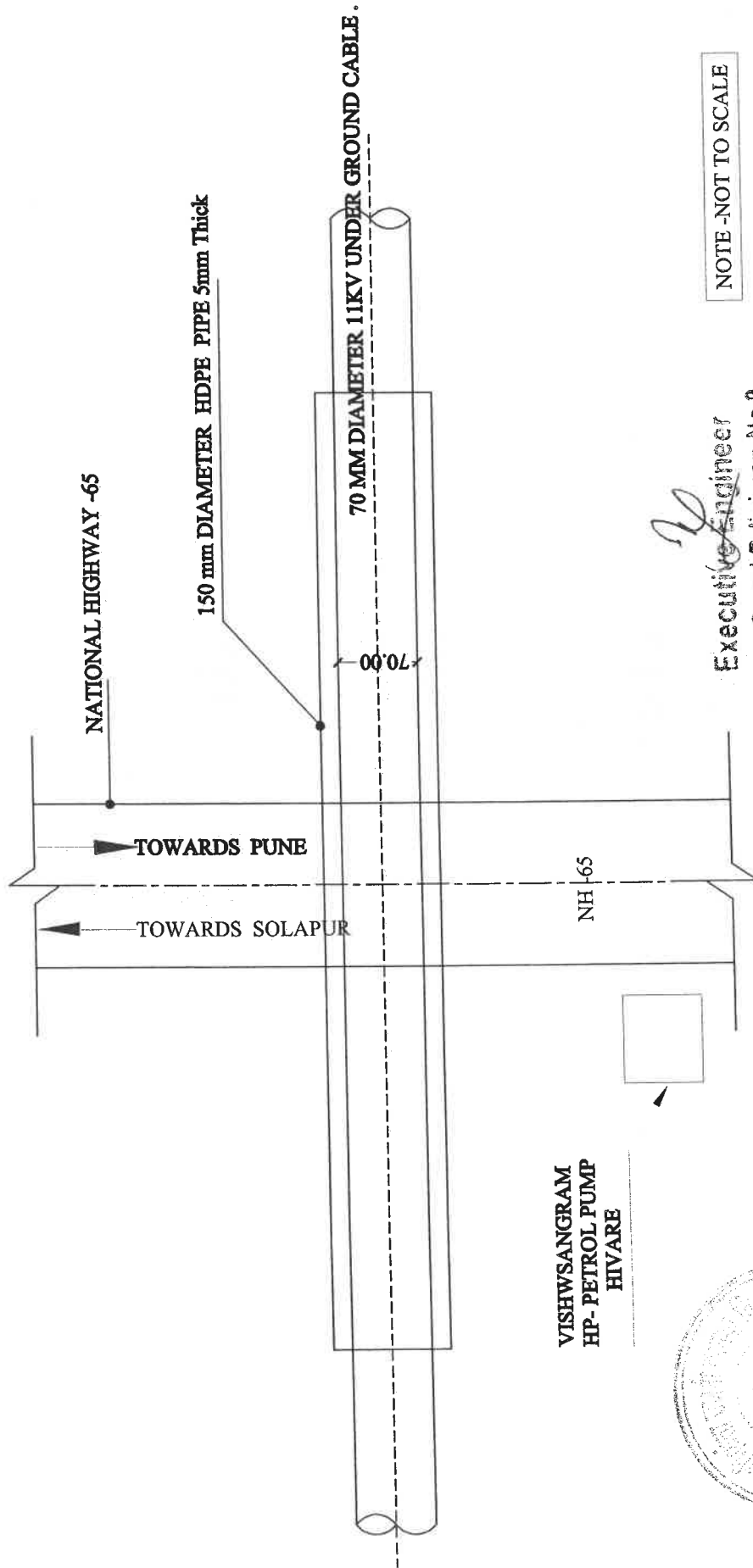
pushing of 150 mm dia. of HDPE casing pipe with 3 X300 sq mm electric cable 70 sq mm for road crossing by push through method in all types of strata by using hydraulic Jack and drilling machine HDPE casing pipes, lowering, laying, jointing of material, required welding machinery, tripod, chain Pulley block Crain blower, compressor, loading and unloading of machinery into the trench etc. transportation and dewatering etc. complete. Lowering,

- **Actual Field Methodology-**

- The Pilot hole is drilled with a diameter of 100 mm along the proposed design centre line
- Then, the pilot hole is enlarged by back reaming to the desired 150mm dia. of HDPE Casing pipe with 3X300 sq mm cable of 70 sq mm diameter by successive passes of different sized back reamers, to install the desired utility product pipe.
- The product pipe is connected to the end of the drilling rod and back reamer assembly by a swivel and pulled through the enlarged pilot hole.
- The Pilot hole is normally drilled by a surface launched rig with an inclined carriage, that is typically adjusted at an angle of 8 to 18 degrees from the surface of the ground for entrance and between 8 to 12 degrees at the exit. Rotating the drill bit, assisted by the thrust force transferred from the drill string, performs soil cutting in the mechanical drilling process. The mechanical drill bits may vary from a slim cutting head with a slanted face for small and short bore applications to a diamond mounted roller cutter used with mud motors for large and long crossing.
- The utility boring method utilizes high pressure, low-volume drilling fluid, usually bentonite mud, to jet through shallow, soft soil formations to ensure the surrounding formation will not become separated and unstable



  
Executive Engineer  
Ujjain Canal Division No 9  
Mangalwedha



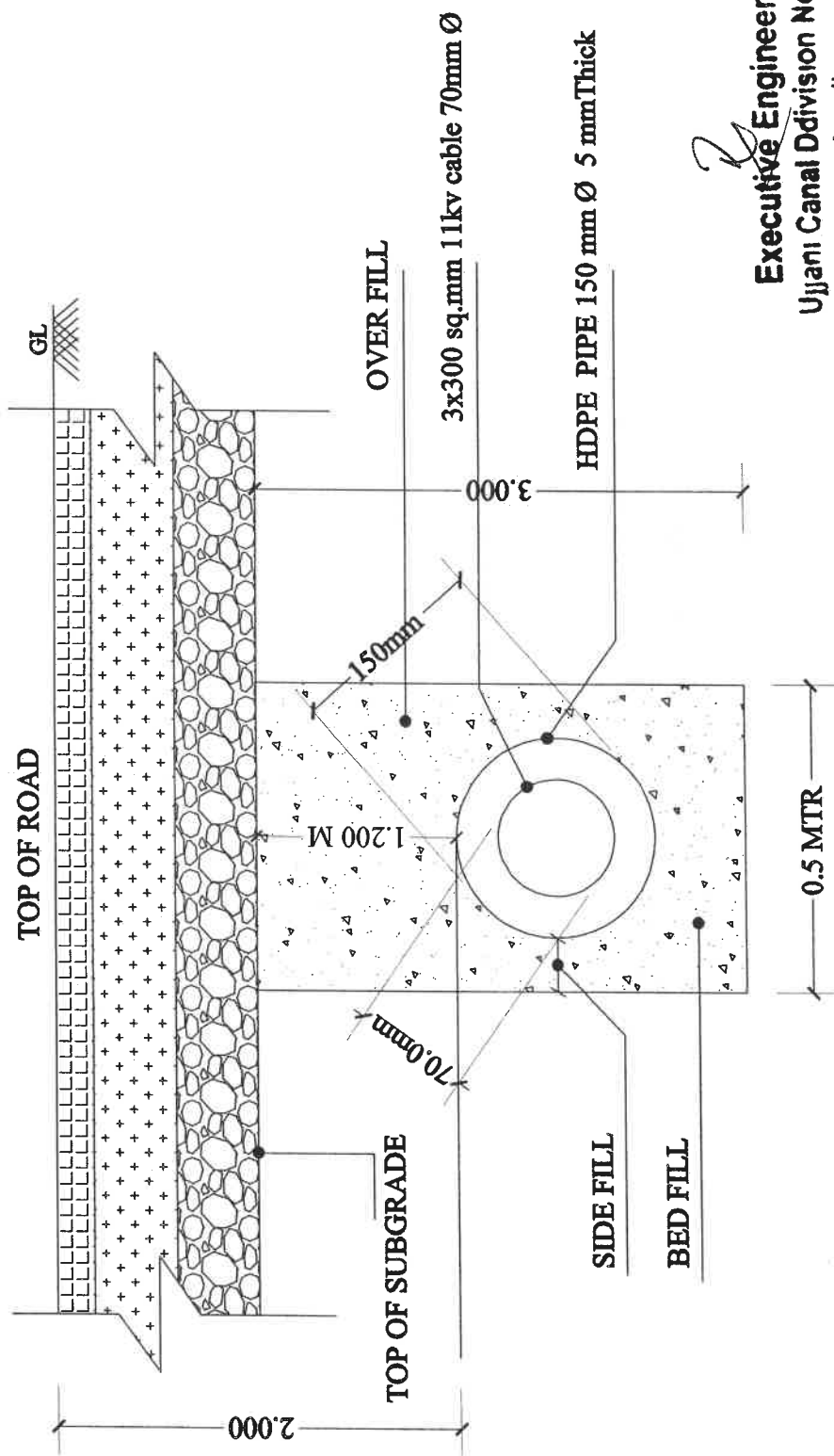
NOTE -NOT TO SCALE

*[Signature]*  
Executive Engineer  
Ujjani Canal Division No 9  
Mangalwedha

VISHWSANGRAM  
HP- PETROL PUMP  
HIVARE

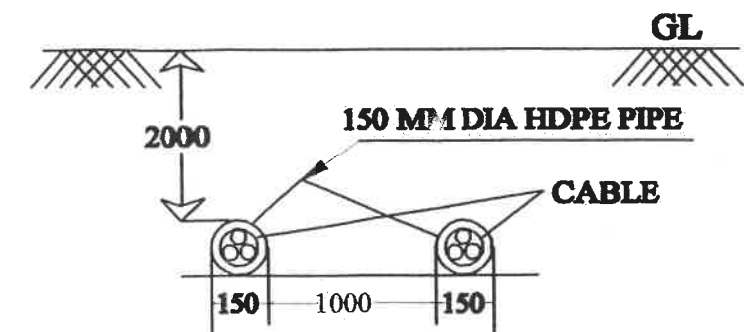
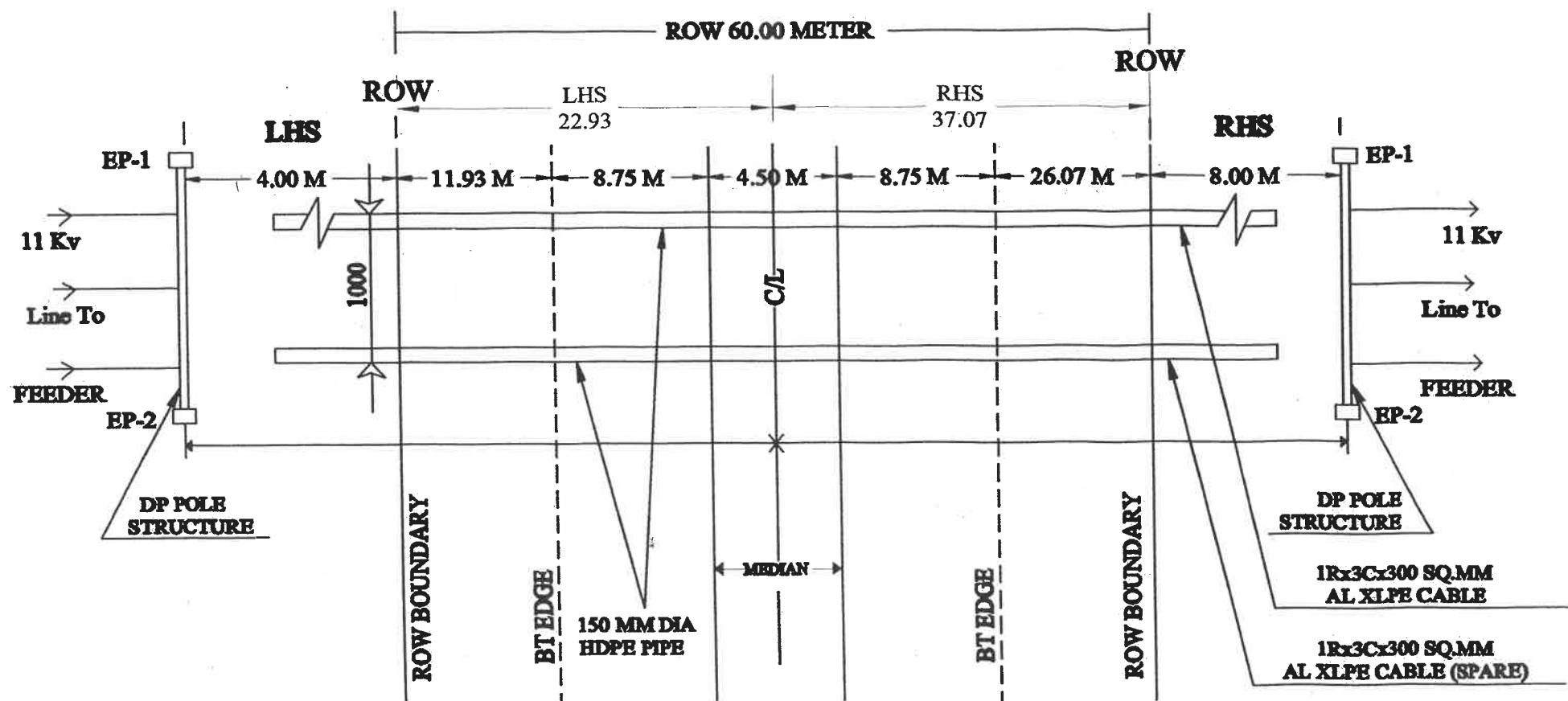


**CROSSING OF UNDER GROUND ELECTRICAL CABLE BY HDD METHOD  
CHAINAGE AT KM 205+377 AND KM 205 + 378**



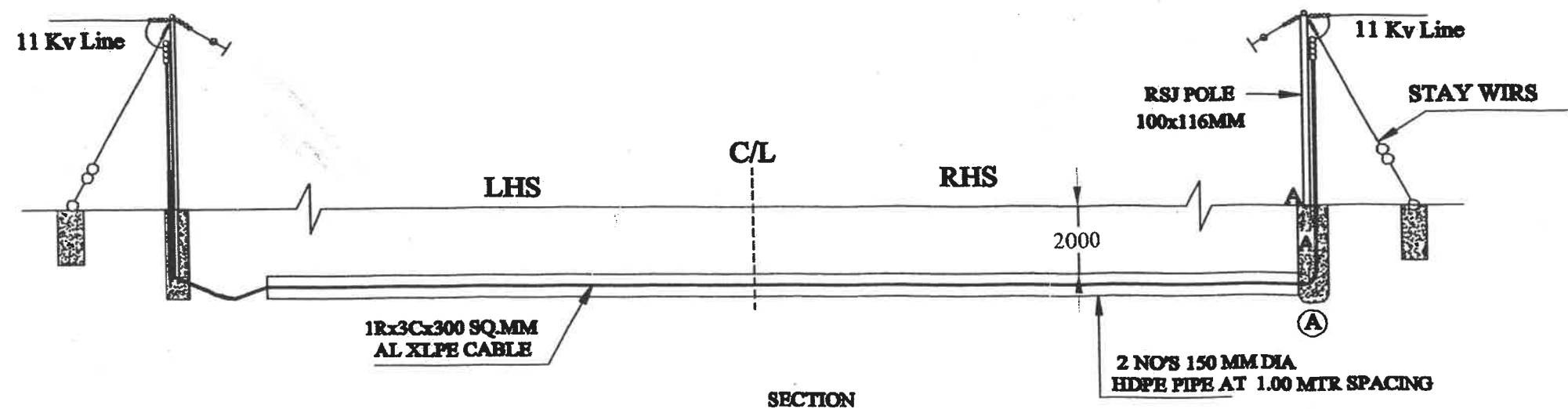
**Executive Engineer**  
 Ujjani Canal Division No 9  
 Mangalwedha

**CROSSING OF ELECTRICAL UNDER GROUND CABLE BY HDD METHOD**  
**CHAINAGE AT 205+377 AND KM 205 +378**



**NOTE:-**  
 1) ALL DIMENSION ARE MM & METER  
 2) 10 INCH BORE FOR Ø100 MM HDPE PIPE (POWER CABLE)

**SUBJECT:-**  
 ROAD CROSSING AT KM 205+377 AND  
 KM 205+378 FOR 11 KV EXPRESS FEEDER  
 FOR POKHARAPUR LIFT IRRIGATION  
 SCHEME.



Executive Engineer  
 Ujani Canal Division No 9  
 Mangalwedha

