

RW/BHP/MP/Transmission-Line(01)/2024-25 Government of India Ministry of Road Transport & Highways (Chief Engineer - Regional Office, Bhopal)

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

Date: 12.04.2024

Invitation of Public Comments

Subject: Proposal for right of way permission for laying underground road crossing of 11KV line by Trenchless (HDD Method) on NH-46, Ch. 426+954 at village Simrai, Goharganj Dist. Raisen in the State of Madhya Pradesh Reg.-

MPRDC vide letter letter no. 3264/MPRDC/DM BPL/2024 dated 21.03.2024 forwarded herewith a proposal in this office for permission for right of way permission for laying underground road crossing of 11KV line by Trenchless (HDD Method) on NH-46, Ch. 426+954 at village Simrai, Goharganj Dist. Raisen 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. – 236772)

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

Copy to:

- 1. The Senior Technical Director, NIC, Transport Bhawan, New Delhi-110001 for uploading on Ministry's Website.
- 2. The CE (BOT), MPRDC, Bhopal-for information.
- 3. The DM, MPRDC, Bhopal-for information and requested to furnish the recommendation in view of Ministry's circular No. RW/NH-33044/29/2015/S&R (R) dated 22.11.2016 along with verified fees viz. license fee etc. as per circular and their detailed calculations.
- 4. The DGM, MP MKVVCL, Obaidullaganj- for information with requested to submit the proposal in view of Ministry's circular no. RW/NH-33044/29/2015/S&R (R) dated 22.11.2016 and submit the license fee through online portal NTRP and BG for restoration

charges along with detailed calculation of license fee, restoration charges etc. Receipt of online licences fee deposition should be submitted to this office through MPRDC. BG should be in favour of MPRDC (as per prevailing procedure in MPRDC) and to be submitted to DM, MPRDC, Bhopal.

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CIN: U45203MP2004SGC016758---



M.P. Road Development Corporation Ltd.

(M.P. State Highway Authority)

(Govt. of M.P. Undertaking)

45-A, Arera Hills, Bhopal-462011

☎: 0755-2597290 / 2765205 Fax: 0755-2572643, Website: mprdc.gov.in

No.\$26.H../MPRDC/DM BPL/2024

Bhopal, dated: 2) /03/2024

To,



Chief Engineer – R.O. MoRT&H Regional Office 2nd floor, Nirman Bhawan, Arera Hills,

Bhopal-462011

Sub: Regarding permission for M.P. Madhya Kshetra Vidyut Vitran Company Ltd. laying underground road crossing of 11KV line by Trenchless (HDD Method) on NH-46, Ch. 426+954, at Village Simrai, Goharganj Dist. Raisen in the State of MP

Ref: M.P. Madhya Kshetra Vidyat Vitran company Ltd. Obaidullaganj letter no. DGM/O&M/2023-24/3614 dated 01/03/2024.

In reference to above cited subject. The site inspected by Shri A.A. Khan, Manager, MPRDC, Bhopal with representative of M.P. Madhya Kshetra Vidyat Vitran company Ltd. laying underground road crossing of 11kv line by Trenchless (HDD Method) on NH-46, Ch. 426+954, LHS at Village-Simrai, Tehsil –Goharganj, Dist. Raisen in the state of Madhya Pradesh.

The proposal checked as per stipulated norms for Ministry of Road Transport & Highway, Govt. of India New Delhi, Circular No. RW/NH-33044/29/2015/S&(R) dated 22.11.2016 and found in order.

The Following documents submitted herewith:-

- 1. Receipt of License fee Rs. 97,974/- on Bharatkosh.gov.in (Govt. of India)
- 2. BG /FDR amounting to Rs. 12,000/-.

Endt. No...../MPRDC/DM BPL/2024

- Checklist duly verified by DM, MPRDC.
- 4. Signed copy of License Deed.
- Methodology.
- 6. Drawing for laying/crossing of Gas Pipeline.
- Undertaking.

The License fee **Rs. 97,974**/- deposited on Bharatkosh.gov.in (Govt. of India) receipt portal Transaction reference no. 270220044056 dated 27.02.2024 & Bank Guarantee Serial no. 01032400062000128 FDR No. 50300934709832 amounting to **Rs. 12,000**/- of HDFC Bank issued on date 01.03.2024 has deposited by M.P. Madhya Kshetra Vidyat Vitran company Ltd.

The proposal recommended & forwarded in favor of Approval please.

Encl: Original Proposal

Divisional Manager MPRDC, Bhopal

Bhopal, dated: /03/2024

Copy to:-

1. Dy. General Manager (O&M) Division Madhya Pradesh Madhya Kshetra Vidyut Vitran Company Ltd. Obaidullagani for information.

Divisional Manager MPRDC, Bhopal

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Received on oble



OFFICE OF THE DY. GENERAL MANAGER (O&M) DIVISION MADHYA PRADESH MADHYA KSHETRA VIDYUT VITARAN COMPANY LIMITED OBAIDULLAGANI

No. D.G.M./O&M/

/2023-24/

To,

The Division Manager

MPRDC, Bhopal, (Madhya Pradesh)

Sub:- Regarding permission for M.P MADHYA KSHETRA VIDYUT VITRAN COMPANY LIMITED Laying underground road crossing of 11kv line by Trenchless (HDD Method) on NH-46, CH. 426+954, LHS at Villege - Simrai, Tehsil - Goharganj, Dist. Raisen In the State of the Madhya Pradesh.

Ref:- 1. Our letter No. DGM/(O&M)/Work/2023-24/923 dated 01.11.2023.

Your letter No. 7496/MPRDC/DM BPL/2024 BHOPAL, dated 23.02.2024.

Respected Sir/Madam,

With reference to the above stated subject, we hope this letter finds you well. We are Writing to request to lay an 11KV underground electric line from the national highway by trenchless (HDD Method). As per your issue demand letter no.7496/NMPRDC/DM/BPL/2024 Bhopal Dated 23.02.2024 for depositing License fees. Rs.97974/- & FDR for Rs. 12000/- in favor of MD. MPRDC, Bhopal.

We are deposited the License Fees of Rs. 97974/- Through Transaction Ref. No.2702240044056 dated .27.02.2024 & Guarantee FDR Rs.12000/- In favor of MD, MPRDC, Bhopal Serial No.01032400062000128 FDR NO.50300934709832 Issued on 01.03.2024 to HDFC BANK, Arera Colony, Bhopal.

So we requested you to please give us permission for underground road crossing of 11 kv cable. At village Simrai, Goharganj Dist. Raisen in the State of M.P at the earliest.

Thanking you

1) Original FDR R. 12000/2) Lience fees R. 97974/-

Dy. General Manager (O&M) MPMKVVCL OBAIDULLAGANJ



CIN: U45203MP2004SGC016758



M.P. Road Development Corporation Ltd.

(M.P. State Highway Authority)

(Govt. of M.P. Undertaking)

45-A, Arera Hills, Bhopal-462011

2 : 0755-2597290 / 2765205 Fax : 0755-2572643, Website : mprdc.gov.in

No.74.3.6.../MPRDC/DM BPL/2024

Bhopal, dated:23/02/2024

To,

Deputy General Manager (O&M),

Madhya Pradesh Madhya Kshetra Vidhyut Vitran Company Ltd., Obedullaganj, District - Raisen (M.P.)

Sub: Regarding permission for M.P. Madhya Kshetra Vidyut Vitran Company Ltd, laying underground road crossing of 11 KV line by Trenchless (HDD method) on NH-46, Ch. 426+954, at Village Simrai, Goharganj Dist. Raisen in the State of M.P.

Ref: Your letter no. DGM/(O&M)/Work/2023-24/923 dated 01.11.2023.

In reference to above cited subject, the site inspected by Shri A.A. Khan, Manager, MPRDC, Bhopal with representative of M.P. Madhya Kshetra Vidyut Vitran Company Ltd. The Following documents to be submitted in this office with proposal:-

- 1. Receipt of License fee Rs. 97,974/- on Bharatkosh.gov.in (Govt. of India)
- 2. Bank Guarantee amounting to Rs. 12,000/-
- 3. Checklist
- 4. Undertaking
- 5. Methodology
- 6. Working Drawing for laying/Crossing of Electric Cable.
- 7. Draft Agreement.

So, please deposit the License fee of Rs. 97,974/- on NTRP Portal and Bank Guarantee/FDR Rs. 12,000/- (Rs. Twelve Thousand Only) deposit in favor of MD, MPRDC, Bhopal. Then case will be forwarded to C.E-R.O., MoRT&H, Bhopal for necessary action.

Permission for Cable laying/crossing for open trench shall not given by the MoRT&H and MPRDC, only laying by HDD method shall be given.

Encl: calculation sheet.

Divisional Manager MPRDC, Div.-Bhopal

					٠			Licens	License fee (Non-Refundable)	fundable}			A	THE RESIDENCE OF THE PROPERTY	
	State of the State of the		Calcul	Cabulation w.r.t MoRT&H Policy Guidelines dated 22.11.2016, amendment vide MORT&H letter no. NH.26094/01/2022-58R(P&B)(E-208825) dated 17.04.2023	Policy Guic	lelines date	d 22.11.201	6, amendn	nent vide MO	T&H letter no. N	4-26094/01/2022	-S&R(P&B)(E-20	18825) dated 17.0	14.2023	·V.
S, Ro	S.No. · Chainage (Km.)	Type of Plpe	Side	Village Name	Nos	length (mtr)	Dia (mtr.)	Utilized NH Land Arca	Prevalling Circle Rate(Rs/Sqm)	Prevaling License Fee License Fee Circle (1st year) (2nd year) Rate(Rs/Sqm) (K=1*J*1.5%) (L=K*1.06)		License Fee (3rd year) (M=L*1.06)	License Fee License Fee License Fee (3rd year) (4th year) (5th year) (M=L*1.06) (N=M*1.06)	License Fee (5th year) (O=N*1.06)	Licese Fee for 05 Vears as per MORT&H Guideline Dated 17.04,2023 (K+1+M+N+O)
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			Fotal =			120		36.00	62400	16848	17859	18930	20066	21270	94974

			Bank G	Bank Guarantee (Refundable)	ble)		
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ä	Chainage (Km.)	e (Km.)	į	Oía		Rate for Dia	Bank
o.No.	From	10	9 2 3	(m etwn))	length (mtr)		Guarantee (in Rs)
-			Both	300	120	100	12000.00
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Divisional Manager
MPRDC, Bhopal

Manager MPRDC, Bhopai



ORIGINAL

THIRD PARTY DEPOSIT CONFIRMATION LETTER

Letter to be MANDATORILY submitted to the bank at the time of FD Liquidation.

Date:	01	/03/2024
Date.	UI	103/2024

To

Serial No: 01032400062000128

MD MPRDC BHOPAL ARERA HILLS BHOPAL - 462016 MADHYA PRADESH INDIA

This covering letter is issued to be annexed to the Fixed Deposit No. <u>50300934709832</u> issued on <u>01 Mar 2024</u> for an amount of Rs. <u>12,000.00</u> (<u>RUPEES TWELVE THOUSAND ONLY</u>) in the name <u>MD MPRDC BPL A/C STAR DELTA TRNSFRMR LTD</u> of issued branch.

Branch Address

ARERA COLONY

E-1/57,

ARERA COLONY

SCHEME OF CAPITAL PROJECT

BHOPAL - 462016

MADHYA PRADESH India

This Fixed Deposit is issued to our customer in favor of the dept stated below:

Department Name:

MPRDC BHOPAL

Address:

BHOPAL ARERA HILLS

BHOPAL - 462016

MADHYA PRADESH INDIA

In case of demand of the whole or part of the deposit by MPRDC BHOPAL, the payment may be made to MPRDC BHOPAL according to the Bank's rules applicable to such deposits excluding the interest earned on the same. If the deposit is not withdrawn, till date of maturity, it may be renewed or treated as instructed by the said department or customer (if the deposit already stands released).

The customer cannot undertake to demand payment under the said fixed deposit prematurely or on or after the due date without production of the letter of authorization/release order from the department in whose name the FD is issued.

For HDFC Bank Limited

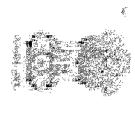
Authorized Signatory: Bhanu Pratap Sing

Name:

Emp. Code: B1332 Branch Operation Manager

Designation: Branch Code: 0062

**This letter forms an integral part of the Third party Fixed Deposit advice issued. It should be returned along with the Fixed Deposit confirmation advice in all cases with respect to cancellation.



RECEIPT

Transaction Ref.No. 2702240044056

Dated: Feb 27 2024 6:55PM

Received from_ MPMKVVCL BHOPAL MR. STAR DELTA TRANSFORMERS LTD ON BEHALF OF _ with Transaction Ref.No. 2702240044056

the account of Dated Feb 27 2024 6:55PM the sum of INR 97974 (Ninety-Seven Thousand Nine Hundred Seventy-Four Only) through Internet based Online payment in

BPL/2024 dt 23/2/24 License fee for laying of utility services, , Ref letter No. 7496/MPRDC/DM

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

Printed On: 27-02-2024 06:56:29



OFFICE OF THE DY GENERAL MANAGER (O&M) DIVISION MADHYA PRADESH MADHYA KSHETRA VIDHUT VITRAN COMPANY LIMITED OBAIDULLAGANJ

DGM/(0&M)/Work/2023-24 | 923

DATED: DILILZ3

To,

The Division Manager

MPRDC, Bhopal, (Madhya Pradesh)

Subject: -

Regarding permission for M.P. MADHYA KSHETRA VIDYUT VITARAN COMPANY LIMITED laying underground road crossing of 11KV line by Trenchless (HDD Method). on NH-46, CH.426.954, LHS at, Village – Simrai, Tehsil – Goharganj, District – Raisen In the State of the Madhya Pradesh.

Respected Sir,

With reference to the above stated subject, we hope this letter finds you well. We are writing to request to lay an 11KV underground electric line from the National Highway by Trenchless (HDD Method).

We are submitting the Drawing and necessary documents for your approval.

So we requested you to please give us permission for underground road crossing of 11 KV cable.

Thanking You

Enclosed: - As above

Dy. General Manager (O&M)
M P M K V V C L OBAIDULLAGANJ

sh. A. A. Kham



CHECKLIST

Guidelines for project Directors for processing the proposal for laying of underground cable pipeline in the land along National Highways vested with NHAI.

Relevant circulars of Ministry of Road Transport and Highways

- 1. Circular No. NH-III/P/66/76 dated 18/19.11.1976.
- 2. Circular No. RW/NH-III/P /66/76 dated 11.5.1982.
- 3. Circular No. RW/NH-11037 /1/86/DOI (ii) dated 28.7.1993.
- 4. Circular No. RW/NH-11037/1/86/DOI dated 19.1.1995.
- 5. Circular No. RW/NH-34066/2/95/S&R dated 25.10.1999.
- 6. Circular No. RW/NH-34066/7 /2003 S&R(B) dated 17.9.2003.
- 7. NHAI's circular No. NHAI/OEC/2k/Vol II dated 7.11.2000, which includes the comprehensive guidelines and draft license agreement by private party in the land along National Highway vested with NHAI.
- 8. Circular No. RW/NH-33044/27 /2000-S&R (R) dated 21.3.2006. It is regarding the modification of previous Ministry circular enhancing the amount of performance bank Guarantee@ Rs SO/- per route meter in place of earlier rate of Rs 25 /- per route meter.
- 9. Circular No. RW/NH-33044/29 /2015/S&R (R) dated 22.11.2016.

Check list for getting approval for laving of underground cable pipeline (11KV,185 sq mm, 3 core HT cable) on NH land.

The permission for laying of underground cable pipeline shall be considered for approval/rejection based on the Ministry Circulars mentioned as above.

- (a) Carrying of underground cable pipeline on highway bridges shall not be permitted as furmes/ underground cable pipe can be accelerate the process of corrosion or may cause explosions, thus being much more injurious than leakage of water.
- (b) Services are not being allowed indiscriminately on the parapet/ any part of the bridges, safety of the bridges has to be kept in view while permitting various services along bridge.

Guidelines for processing the proposal for laying of utility line in the land along national Highways/ Expressway vested with NHAI/PWD/BRO.

S. No	Item	Information/Status	Remarks
1	General Information		
1.1	Name and Address of the Applicant/Agency	M.P. MADHYA KSHETRA VIDYUT VITARAN COMPANY LIMITED. NISHTHA PARISAR, BIJALEE NAGAR, GOVINDPURA, BHOPAL – 462023	
1.2	National Highway Number	NH-46	
1.3	State	Madhya Pradesh	
1.4	Location	Village - Simrai, Tehsil - Goharganj, District - Raisen	
1.5	(Chainage in KM)	426.954 LHS	
1.6	Length In Meters	50M	
1.7	Width of Available ROW		
	a. Left side from center line towards increasing chainage/Km direction	30m	
	b. Right side from center line towards increasing chainage/Km direction	30m	
1.8	Proposal to lay underground electrical cable.		
	a. Left side from center line towards increasing chainage/Km direction	YES AS PER DRAWING ATTACHED	
	b. Right side from center line towards increasing chainage/Km direction	NA	
1.9	Proposal to acquire land	Right to use of National Highway ROW Act is Required for laying the electrical poles across the NH ROW as per circular	
	a. Left side from center line	Yes As Per Drawing Attached	
	b. Right side from center line	NA	
1.10	Whether Proposal is in the same side where land is not to be acquired	NA	
	If not then where to lay the cable.	NA (UNDERGROUND NH-46)	9
1.11	Details of already laid services , if any, along the proposed route	NA	3
1.12	Number of existing lanes (2/4/6/8 lanes)	6 LANES	
1.13	Proposed Number of lanes (2 lanes with paved shoulders/4/6/8 lanes)	NA	

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Dy General Manager (O&M)
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1.14	Services road existing or not If yes then which side	NOT ON SERVICE ROAD	
	a. Left side from center line	NA	
	b. Right side from center line	NA	
1.15	Proposed service road	NO	
	a. Left side from center line	NA	
	b. Right side from center line	NA	
1.16	Whether proposal to lay underground cable pipeline is after the service road or between the service road and main carriageway.	EDGE OF THE ROW AFTER CARRIAGEWAY	
1.17	Whether carrying underground cable pipeline has been proposed on highway bridges. If yes then mention the methodology proposed for the same.	NO	
1.18	Whether carrying of underground cable pipeline has been proposed on parapet/ any part of the bridges If yes then mention the methodology proposed for the same.	TRENCHLESS , HDD METHOD	
1.19	If crossing of the road involved		
	If yes, it shall be either encased in pipes or through structure or conduits specially built for that purpose at the expenses of the agency owning the line.	TRENCHLESS , HDD METHOD	
2	a. Whether existing drainage are allowed to carry underground cable pipeline	NA	
	b. Is it on a line normal to NH	YES	
	c. What is the distance of crossing the underground cable pipeline pipelines from the existing structures? Crossings shall not be too near the existing structures on the National Highway, the minimum distance being 15 meter.	NA	
	d. The casing pipe (or conduit pipe in the case of electric cable) carrying the utility line shall be of steel, cast iron, or reinforced cement concrete and have adequate strength and be large enough to permit ready withdrawal of the carrier pie/cable. Mention type of casing,	DWC CASING PIPE	
	e. Ends of the casing/ conduilt pipe shall be sealed from the outside, so that it does not act as a drainage path.	YES	
	f. The casing/ conduilt pipe should, as minimum extend from the drain to drain in cuts and toe of slope in the fills.	YES	
	g. The top of the casing/ conduilt pipe should be at least 1.2 meter below the surface of the road subject to being at least 0.3 meter below the drain inverts. Mention the proposed details.	YES	

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	h. Mention the methodology proposed for the crossing of road for the proposed underground cable pipeline. Crossing shall be by boring method (HDD) [Trench-less Technology] especially where the existing road pavement is of cement concrete or dense bituminous concrete type.	HDD METHOD	
	The casing /conduilt 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.	YES	
2	Document/Drawing to be enclosed with the proposal	YES	
2.1	Cross section showing the size of trench for open trenching method (Is it normal size of 1.2m deep x0.3m wide)	NA	
	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 less than 15 meter from the centre-lines of the nearest carriageway	NA	
	III. Shall not be permitted to run along the National Highways when the road formation is situated in double cutting. Nor shall these be laid over the existing culverts and bridges.	NA	
	IV. These should be so laid that their top is at least 0.6 meter below the ground level so as not to obstruct drainage of the road land		
2.2	Cross section showing the size of pit and location of cable for HDD Method.	YES	
2.3	Strip plan/ Route Plan showing underground cable pipeline, chainage, width of ROW, distance of proposed underground cable pipeline from the edge of ROW, important mile stone, intersections, cross drainage works etc.	YES	
2.4	Methodology for laying of underground cable pipeline.	HDD METHOD	
2.4.1	Open Trenching method. (May be allowed in utility corridor only where pavement is neither cement concrete nor dense bituminous concrete type. IF yes, What is the Methodology of refilling of trench?	NA	
7	The trench width should be at least 30 cm, but not more than 60cm wider than the outer diameter of the pipe.	NA	
	 For filling of the trench, bedding shall be to a depth of not less than 30 ems. It shall consist of granular material free of lumps, clods and 	NA	

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Dy General Manager (O&M)
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	cobbles and graded to yield a firm surface		
	without sudden change in the bearing value.		
	Unsuitable soil and rock edged should		
	be excavated and replaced by selected material.		
	c. The backfill shall be completed in two steps (i)	NA	
	side fill to the level of the top to the pipe and (ii)		
	overfill to the bottom of the road crust.		
	d. The side fill shall consist of granular material laid	NA	1
	in 15 cm layers each consolidated by mechanical	1471	
	tampering and controlled addition of moisture to		
	95% of the Proctors' density. Over fill shall be		
	compacted to the same density as the material		1
	that had been removed. Consolidation my		
	saturation or pending will not be permitted.		
	e. The road crust shall be built to the same strength	NA	+
	as the existing crust on either side of the trench.	IVA	
	Care shall be taken to avoid the formation of a		
	dip at the trench.		
		N/A	+
		NA	
	signs and barricades, and red lights during night		1
	hours.		-
	g. If required, a diversion shall be constructed at the	NA	
	expenses of agency owning the utility line.		
2.4.2	Horizontal Directional Drilling (HDD) Method	YES	
2.4.3	Methodology for laying of underground cable	NA	
	pipeline through CD works and method of laying.		
	In cases where the carrying of underground cable		
	pipeline on the bridge becomes inescapable.		d _a
3	Draft License Agreement signed by two witnesses.	YES	
4	Performance bank Guarantee in favor of NHAI has to be	TO BE SUBMITTED	
	obtained @ Rs 50/- per running meter (parallel to NH)		
	and Rs 1,00,000/- per crossing of NH, for a period of one		
Î	year initially (extendable if required till satisfactory		
	completion of work)as a security for ensuring/making		
	good the excavated trench for laying the underground		
	cable Pipeline ducts by proper filling and compaction,		
	clearing Debris/loose earth produced due to execution of		
	trenching at least 50m away from the edge of the right of		
	way. No payment shall be payable by the NHAI to the		
14	The state of the s		
	license for Clearing debris/loose earth. Performance BG		
	as per above is To be obtained.		
1.1	Confirmation of BG has been obtained or not as per NHAI Guidelines.	NA	
	Affidavit/ Undertaking from the Applicant for the	- N E	
	following are to be furnished.		1
5.1	Not to Damage to other utility, if damaged then pay the	YES	
	losses either to NHAI or to the concerned agency.		
5.2	For renewal of bank Guarantee	YES	
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Dy General Manager (O&M)
MPMKVVCL VBAIDULLAGANJ

5.3	For confirming all standard condition of Ministry Circulars and NHAI's guidelines.	YES	
5.4	For shifting of underground cable Pipeline as and when required by NHAI at their own cost.	YES	
5.5	For shifting of underground cable Pipeline due to 4/6 lanning. Widening of NH	YES	
5.6	For indemnity against all damages and claims.	YES	
5.7	For traffic movement during laying off for shifting of underground cable Pipeline due to 4/6 lanning. Widening of NH pipe line to be managed by the applicant.	YES	
5.8	If any claim is raised by the Concessionaire the same has to be paid by the applicant.	YES	
5.9	Prior approval of the NHAI shall be obtained before undertaking any work if installation, shifting or repairs, or alterations to the For shifting of underground cable Pipeline due to 4/6 lanning. Widening of NH line/ any other utility located in the national highway right-ofways.	YES	
5.10	Expenditure, if any, incurred by NHAI for repairing any damage caused to the national Highway by the laying, maintenance or shifting of the For shifting of underground cable Pipeline due to 4/6 lanning. Widening of line at NH will be borne by the applicant agency owning the line.	YES	
5.11	If the NHAI 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 NHAI at the cost of the agency owning the utility line within a reasonable time (not exceeding 60 days) of the intimation given.	YES	
5.12	Certificate from the applicant in the following format		
	Laying of Underground cable pipe line will not have any deleterious effects on any of the bridge components and roadway safety for traffic	YES	
	ii. We do undertake that I will relocate service Yes road/approach road/utilities at my own cost notwithstanding the permission granted within such time as will be stipulated by NHAI" for future four/ six-lanning or any other development.	YES	
6	Who will sign the agreement on behalf of Underground	Rajendra Kumar Jain	
		A	

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Dy General Manager (O&M)
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	cable pipe line agency?	
7	The Project director, will submit the following Certificates	
7.1	Certificate for proposal for confirming of all standard condition issued vide Ministry of Road transport and highways circular No. NH-III/P/66/76/ dated 18/19/11. 1976, RW/NH-III/P/66/76/ dated 11.05.1982. RW/NH-11037/1/86/DOI (ii) dated 28.07.1993, RW/NH-11037/1/86/DOI Dated 19.01.1995, RW/NH-34066/2/95/ S&R dated 25.10.1999 and Circular No. RW/NW-34066/7/2003 S&R (B) dated 17.09.2003	
7.2	Certificate from PD in the following format	
	i. "it is certified that any other location of the underground cable pipeline would be extremely difficult and unreasonable costly and the installation of underground cable pipeline within ROW will not adversely affect the design, stability & traffic safety of the highway nor likely future improvement such as widening of the carriageway, easing of curve etc."	
	ii. For 4/6- Lanning	
	a. Where feasibility is available "I do certify that there will be no hindrance to proposed four/six-lanning based on the feasibility report considering proposed structure at the said Location".	
	b. In case feasibility report is not available "I do certify that sufficient ROW is available at site for accommodating proposed four /six-lanning".	
3.	If NH section proposed to be taken up by NHAI 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 pipeline duct has also been granted as a right of way to the concessionaire under the [
).	Who will Supervise the work of laying of underground cable line a. On behalf of the Applicant	3
	b. On behalf of NHAI	
.0.	Who will ensure that the defects in road portion after laying of underground cable pipeline are corrected and if not corrected then what action will be taken	

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	b. On behalf of NHAI		
11.	Who will pay the claims for damages done/disruption in working of concessionaire if asked by the Concessionaire?	1	
	On behalf of the Applicant		
12.	A certificate from PD that he will enter the proposed permission in the register of records of the permissions in the prescribed Performa (copy enclosed)		
13.	If any previous approval is accorded for laying of underground cable pipeline then photocopy of register of records of permissions accorded as maintained by PD then (copy is enclosed)	NO	
14.	Name of Highway Authority of NHAI/PWD/BRO	MoRT&H	
15.	Highways Administration address	Nirman Bhawan	

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Verified by

Copie.

Division Manager

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Division Bhopal

MPRDC- BHOPAL (M.P)

S.No.	Item	Measurement observation as per site condition	MoRT&H Norms	Weather complying with MoRT&H Norms (Y/N)
1.	Details of already laid services, if any, along the proposed route	NA		
2.	Whether up-gradation of the stretch in near future is proposed or not	NA	6.	
	 a. If yes, provision of utility adversely affect the plan of up-gradation 	NA		
3.	Laying of the utility service along	the National Highways		
3.1.	Location of the proposed utility service along the stretch	AT 426.954 LHS		
3.2.	Depth of top of Utility service from ground level	2M 🔩		
3.3.	Mechanism for crossing water channel	NA		
3.4	Whether ROW is restricted in this stretch?			
3.4.1.	If yes, provision of land acquisition is required to lay utility			
	 a. If yes, whether undertaking for land acquisition along will relevant L.A Details has been furnished. 			
3.4.2	Width of concrete duct, if utility services are proposed to be laid in concrete ducts.	NA		
4	Laying Utility Service across To N.	H		'
4.1	Whether Existing drainage structures is allowed to carry the utility lines.	NO		
4.2	Proposed crossing of utility service.			
4.3	Type of casing pipe/conduilt carrying the utility line.	HDD METHOD (CASING Pipe)		
4.4	Whether ends of the casing/ conduilt pipe are sealed from the outside.	yes		
4.5	Length of casing/conduilt pipe crossing N.H	50MX2		
4.6	Depth of casing/conduilt pipe.	2M el		
4.7	Crossing method in case of CC pavement.	HDD method		
4.8	Horizontal and Vertical clearances in case utilities are allowed overhead.	NA		

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5	Document/ Drawing enclosed wi	th the proposal		
5.1	Cross-section showing the size of			
	trench for open trenching			
	method			
	a. Trench width	NA		
	b. Filling of Trench	NA		
	c. Location of trench	NA		
5.2	Cross-section showing the size of	Drawing Enclosed		
	pit and Location of conduilt for	Drawing Enclosed		
	HDD Method			
5.3	Strip plan/ Route plan showing	Drawing Enclosed		
	utility line, chainage, width of	Drawing Enclosed		
	ROW, distance of proposed			
	utility from the edge of the			
	ROW, important mile stone,			
	intersections, cross drainage			
	works etc.			
5.4	Plan and profile drawing of	Drawing Enclosed		
10TH 1511	stretch showing cross- section of	Drawing Enclosed		
	road at 20 m distance along with			
	ROW and Proposed Utility.			
6.	Methodology for laying of utility	HDD METHOD		
	line	THE THE THE		
7.	Draft license Agreement is as per	YES		
-51.50	Ministry guidelines	123		
	and signed by two witnesses.			
8.	License fees in favor of MoRT&H			
9.	Whether Bank Guarantee has	TO BE SUMITTED AS		
	been obtained.	AND WHEN		
		INFORMED BY NHAI		
	a. If yes, whether confirmation	TO BE SUMITTED AS		
	of BG has been obtained as	AND WHEN		
	per MORTH/NHAI	INFORMED BY NHAI		
10.	Guidelines.		1- 4- b- 6 1	
10.1	Affidavit/Undertaking from the Ap Undertaking for not to Damage	YES YES	is to be turnis	snea
10.1	to other existing utility, if	YES		
	damaged then to pay the losses			
	either to NHAI or to the			
	concerned agency.	1		
10.2	Undertaking for Renewal of BG	YES		
10.2	and when asked by NHAI/	TES		
	MoRT&H.			
10.3	undertaking for confirming all	YES		
10.5	standard condition of MoRT&H/	TE3		
10.4	NHAI guidelines.	VEC		
10.4	Undertaking for shifting of utility	YES		
	as and when asked by MoRT&H/			
	NHAI within a month at their			
10 F	Own cost.	VEC		
10.5	Undertaking for indemnity	YES		
	against all damages and claim.			

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Dy General Manager (O&M)
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10.6	Undertaking for management of traffic movement during laying of utility line without hampering the traffic.	YES	
10.7	Undertaking if any claim is raised by the Concessionaire/ contractor then the same has to be paid by the applicant.	YES	
10.8	Undertaking that the applicant has obtained various safety clearances from the representative authorities such as directorate of electricity before applying to Highway Administration.	YES	

Available of Right of the Way (ROW)

1. The Right of the Way (ROW) of NH-46 (Bhopal-) at KM 426.954 LHS available at the location from the Center line of divided carriageway is 30M at LHS and 30M RHS Towards Chainage of NH (From center to ROW to edge of ROW towards Proposed utility)

The above particulars along with drawing and documents have verified and certified as correct as per prevailing site condition

Dy General Aznager (O&M) Verific

Divisional Manager

MPRDC Bhopal (M.P)

ANNEXURE 'A'

Details of Laying Underground 11KV HT line across National Highway

1	(i)	Name of company asking for permission	M.P. MADHYA KSHETRA VIDYUT VITARAN COMPANY LIMITED,	
	(ii)	Full Address	NISHTHA PARISAR, BIJALEE NAGAR, GOVINDPURA, BHOPAL – 462023	
	(iii)	Telephone no and Fax		
	(iv)	Detail and purpose for laying the Underground 11KV HT Cable pipeline through NHAI land	For Power supply to the proposed DP/Transformer	
	(v)	Any other detail regarding laying		
	(-)	a. Distance of proposed site from the center of the road	15m From Carriageway 4.5m RHS	
		 b. Whether it is possible to lay the proposed lines or not (reason) 	Possible by HD Boring Method	
		c. Whether it is possible to cross the proposed lines through existing line or not (reasons)	No existing line available From Existing two pole PP Structure	
2.		Detail Regarding Road alignment where U/G Cable/Pipe is to be laid along the road		
	(i)	Name of Road	NH-46	
	(ii)	Category of road (to be ascertained from K.M. Stone on road side)	NH	
	(iii)	Width of the road		
	,	a. Formation width measured from earthen bank	30.5m	
		b. Black topped carriageway width	23m	
		c. Road Boundary	30.5m	
		(All these detail are to be Show on the drawing also)		
		d. Location of pipeline crossing	Drawing Enclosed	
3.		Details to be supplied on layout drawing (6 set)	Yes	
4.		GEOGRAPHICS OF THE PIPELINE ROUTE		
		a. Dimension of the pipeline trench	Trenchless (HDD Method), 150mm	
		b. Dimension of Protection pipe	Trenchless (HDD Method), 150mm	
		c. Diameter of pipeline	150mm Dia	
		d. Right of user		

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Dy General Manager (O&M) MPMKVVCL OBAIDULLAGANJ

5	(i)	This is to certify that no Govt. Road lands occupied by M.P. MADHYA KSHETRA VIDYUT VITARAN COMPANY LIMITED,, except for the purpose of laying of U/G cable/ Pipeline.	Acceptable
	(ii)	This is to certify that the work shall be in accordance with Govt. rules and regulation force from time to time and binding to M.P. MADHYA KSHETRA VIDYUT VITARAN COMPANY LIMITED,	Acceptable
	(iii)	This is to certify that all required cost and fees as per rule and regulation of Govt. will be deposited timely.	Acceptable

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Dy General Manager (C232)
MPMKVVCL OBAIDULLAGANJ

Authorized Signatory

ANNEXURE 'B'

Information to furnish along with the proposal for laying of pipeline across the National Highway

1.	Exact location of crossing with chainage the National Highway and right of way of NHAI at	426.954 LHS	
2.	crossing Point. Table showing distance of Cable/ Pipe and ROW from centerline of Highway (Minimum distance of cable/ Pipe inside from edge of ROW edge)		
3.	Methodology of crossing in NH bye trenchless technique	Trenchless (HDD Method), 150mm	
4.	Crossing details: Plane and cross section drawing showing depth of crossing at a sealing ends of Pipe.	Drawing Enclosed	
5.	Routes index plan along the Highway showing	Drawing Enclosed	
6.	Undertaking that you shall take care of existing service lines that have been laid previously	Yes	

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Dy General Manager (OSM), MPMKVVCL OBADULLAGANA

Authorized Signatory

HORIZONTAL DIRECTIONAL DRILLING

GENERAL

Horizontal Directional Drilling or HDD is a steerable trenchless method of installing underground pipes, conduits and cables in a shallow arc along a prescribed bore path by using a surface launched drilling rig, with minimal impact on the surrounding area. HDD is used when trenching or open excavation is not possible / practical Directional boring minimizes en 11ronmental d1s1ltpt1on. It is suitable for a variety of soil conditions and jobs including road, landscape and river crossings. Pipes can be made of materials such as Steel, PVC, etc. if il1e pipes can be pulled through the drilled hole.

Technique

Directional boring is used for installing infrastructure such as telecommunications and power cable conduits, water lines, sewer lines, gas lines, oil lines, product pipelines and environmental remediation casings. It is used for crossing waterways, roadways, shore approaches, congested areas, environmentally sensitive areas, and areas where other methods are costiler It is used instead of other techniques to provide less traffic disruption, lower cost, deeper and/or longer installation, no access pit, shorter completion times, directional capabilities, and environmental safety. The technique has extensive use in urban areas for developing subsurface utilities as ii helps in avoiding extensive open cut trenches.

The method comprises a three stage process wherein first stage drills a pilot hole on the designed path and the second stage enlarges the hole by passing a larger cutting tool known as the back reamer. The third stage places the product or casing pipe in the enlarged hole. The directional control capabilities assist the rig operator in making necessary changes in the directions of the drilling head.

Horizontal directional drilling is done with the l1elp of a viscous fluid known as drilling fluid. It is a mixture of water and, usually, bentonite or polymer continuously pumped to the cutting head or drill bit to facilitate the removal of cuttings, stabilize the bore hole, cool the cutting l1ead, c1ncl lubricate the passage of t11e product pipe.

Location and guidance of the drilling is a very important part of the drilling operation, as the drilling head is under the ground while drilling and, in most cases, not visible from the ground surface.

Advantages

HDD offers several advantages wt1en compared to other trenchless construction 111er!1ods:

- (a) Complicated crossings can be quickly and economically accomplished With a great degree of accuracy since it is possible to monitor and control the drilling operation.
- (b) Sufficient depth can be accomplished to avoid other utilities.
- (c) In river crossing applications, danger of river bed erosion and possible damage from river traffic is eliminated.
- (cl) Requires only a small construction footprint.
- (c) The significant factors are no additional expense, high installation execution, minimal reclamation costs, higher speed on operation and etc. The HDD Potentially, make many utilities which don't operate by trench method. It is able to install underground pipes with minimum impact on society and the environment.

Disadvantages

There are several advantages and disadvantages to use HDD at the field activities.

- (a) It also has disadvantages to operate such as taking time provided solid control and need to estimate of mud flow that can decrease by marking an acceptable guide book. The guide book is a kind of manual to predict and decline of operation problems.
- (b) One of the disadvantages of horizontal directional drilling is that large amounts of slurry are produced and have to be tinkered away from the drilling site to land fill sites incurring significant costs for transport and landfill tax.
- The directional drilling process is a surface-launched method therefore, it usually does not require access pits or exit pits. If utility installation is being undertaken, pits may be required to make connect1on with the existing utility. The rig working area should be reasonable level, firm, and suitable for movement of rig.
- (d) Clay is considered ideal for HDD method. Cohesion less fine sand and silt generally behave in a fluid manner and stay suspended in the drill fluid for sufficient amount of time: therefore, they are also suitable for HDD Generally mechanical drilling systems can be applied in a wide range of soil conditions. A pilot hole can be can be drilled through soil particles ranging from sand and clay to gravel; and even in continuous roe! information, by using suitable drill bits.

The Horizontal Directional Drilling Process

The tools and techniques used in the horizontal directional drilling (HOD) process are an outgrowth of the oil well drilling industry. The components of a horizontal drilling rig used for pipeline construction are similar to those of an oil well drilling rig with the major exception being that a horizontal drilling rig is equipped with an inclined ramp as opposed to a vertical mast. HDD pilot hole operations are not unlike those involved in drilling a directional oil well. Drill pipe line down hole tools are generally interchangeable and drilling fluid is used throughout the operation to transport drilled spoil, reduce friction, stabilize the hole, etc. Because of these similarities, the process is generally referred to as drilling as opposed to boring.

Installation of a pipeline by HDD is generally accomplished in three stages as illustrated in Figure 1. The first stage consists of directionally drilling a small diameter pilot hole along a designed directional path. The second stage involves enlarging \(\mathbb{l}\), is pilot hole to a diameter suitable for installation of t11e pipeline. The third stage consists of pulling the pipeline back into the enlarged hole.

Pilot hole Directional Drilling

Pilot hole directional control is achieved by using a non-rotating drill string will, an asymmetrical leading edge.

It is common in soft soils to achieve drilling progress by hydraulic cutting with a jet nozzle. In this case, the direction of flow from the nozzle can be offset from the central axis of the drill string thereby creating a steering bias. This n1ay be accomplished by blocking selected nozzles on a standard roller cone bit or by custom fabricating a jet deflection bit. If hard spots are encountered, the drill string may be rotated to drill wit11out directional control until ti1e hard spot has been penetrated.

Pre-reaming

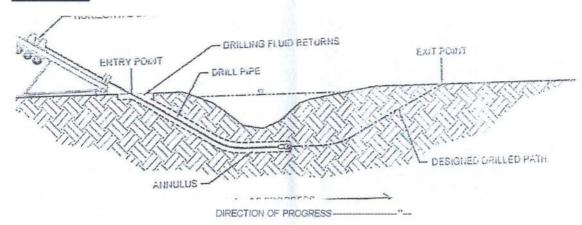
For a pre-reaming pass, reamers attached to the drill string at the exit point are rotated and draw to the drilling rig thus enlarging pilot hole. Drill pipe is added behind the reamers as they progress toward the drilling. This insures that a string of pipe is always maintained in the drilled hole.

Pullback

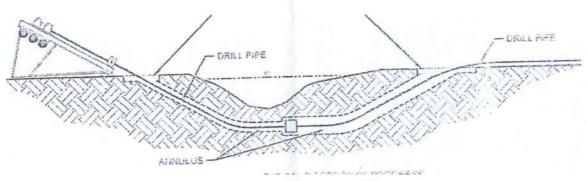
Pipe installation is accomplished by attaching the prefabricated pipeline pull Section behind a reaming assembly at the exit point and pulling the reaming assembly and pull section back to the drilling rig This is undertaken after completion of pre-reaming or, for smaller diameter lines in soft soils, directly after completion of the pilot hole. A swivel is utilized to connect the pull section to the reaming leading assembly minimize to

trans

PILOT HOLE



PREREAMING



YP, CI-L DIRECTION OF PROGRESS

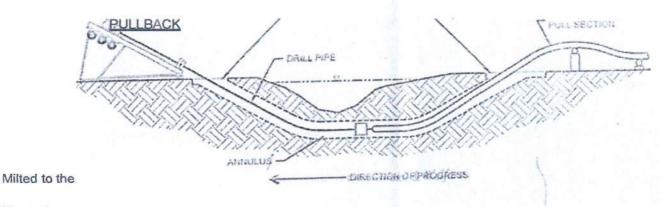


Figure 1

HDD has shown as a new method technology for installing sewer and water pipes, electronic cables gas pipe line, telecommunication and other utility lines under waterways, highways and ancient places to minimize environmental impact HDD increases in usage as less environmentally-damaging alternative to traditional open-trench excavations: It should focus on the applications, limitations and potential environment implications of HDD, along with construction and environmental.

For improving this method, need to plan a guide book focus on situations. The guide book is intended to minimize environmental impacts from installation within right-of-way. It has been prepared in a menu format with an emphasis on the ability for the user. In this menu, there are details such as field inspectors (operation zone), environmental situations and soil conditions. Considerably, the guide can have positive effects to decrease of problems of HDD operation.

MUD RECYCLING

One of the disadvantages of horizontal directional drilling is that large amounts of slurry are produced and have to be tankered away from the drilling site to landfill sites incurring significant costs for transpolt and landfill tax.

To solve this problem, we invested in a mud recycling unit which works alongside the drilling rig throughout the drilling process. The mud-2000 Drill Fluid Cleaning System recycles mud by separating solids from drilling fluids.

Solids can be reused onsite or taken to conventional landfill sites for disposal

Drill fluids are cleaned and can be reused again and again throughout the drilling process

The benefits of mud recycling are:

- Reduced disposal costs
 Lower landfill costs
 Lower transportation costs
- Reduced environmental impact
 Less pollution from reduced vehicle journeys
- Less material to landfill
- Solids not classified as hazardous waste

CONCLUSIONS

HDD has been utilized primarily for the installation of services pipes, and more recently for utility activities such as telecommunication and electronic industry. The main features on selection of HDD equipment are factors such as the diameter rang depth of installation, drive length, type of casing, required working space, soil conditions, producing, etc. There are several advantages and disadvantages to use HDD at tt1e field activities. The significant factors are no additional expense, high installation execution, minimal reclamation costs, higher speed on operation and etc. The HDD potentially make many utilities which don't operate by trench met110cl. It is able to install underground pipes with minimum impact on society and the environment. It also has disadvantages to operate such, as taking time, provided solid control and need to estimate of mud

flow that can decrease by making an acceptable guide book. The guide book is a kind of manual

to predict and decline of operation problems

The End of HDD Process

MPMKVVCL/NH-46/426/2023

DATED:31.10.2023

To.

The Division Manager
MPRDC, Bhopal, (Madhya Pradesh)

Subject: - Regarding permission for M.P. MADHYA KSHETRA VIDYUT VITARAN COMPANY LIMITED laying underground road crossing of 11KV line by Trenchless (HDD Method). on NH-46, CH.426.954, LHS at, Village – Simrai, Tehsil – Goharganj, District – Raisen In the State of the Madhya Pradesh.

Respected Sir,

With reference to the above stated subject, we hope this letter finds you well. We are writing to request to lay an 11KV underground electric line from the National Highway by Trenchless (HDD Method).

We are submitting the Drawing and necessary documents for your approval.

So we requested you to please give us permission for underground road crossing of 11 KV cable.

Thanking You

FOR M.P. MADHYA KSHETRA VIDYUT VITARAN COMPANY LIMITED

(Authorized Signatory)

Enclosed: -

1. as above



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Enclosure to Ministry of Road Transport & Highway Letter No.- 33044/29/2015/ S&R (R) dated: **22/11/2016.**

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

Agreement to lay electrical cable pipe line From to Design Ch.27.595 RHS of land.

This Agreement made this 21 (day) of October (month) 2023 of (year) between acting in his executive capacity through

Hereinafter referred to as the "Authority" which expressions shall unless excluded by or repugnant to the context, include his successors in office and assigns) on the part, and M/s M.P. Madhya Kshetra Vidyut Vitaran Company Limited, Nishtha Parisar, Bijalee Nagar, Govindpura, Bhopal — 462023 (hereinafter called the "Licensee") Which expressions shall unless excluded by repugnant to the context, include his successors/ administrators assignees on the second part.

Whereas Authority is responsible, inter-alia for development and maintenance of lands in Design Ch.426.954 LHS of National Highway no.- 46 ROW.

Whereas the Licensee proposes to lay electrical cable pipeline referred to as utility services in subsequent Para's.

Whereas the Licensee has applied to the Authority for permissions to lay utility services on Design Ch.426.954 LHS

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

Now this agreement witnessed that in consideration of the conditions hereafter contained and on the part of the License permission to lay utility services as per the approved drawing attached hereto subject to the following conditions, namely

Dy Genegi Manager (O&M)

MPMKVVCL OB DULLAGANJ

- 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 License 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 requirement 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 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.
- 5. Fees shall have to be paid in advance for the period for which permission is granted for entering into a licensee 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 2.00m 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 requirement 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 roadside furniture etc. the utility services shall be laid beyond the toe line of the embankment and clear of the drain.
- 8. The Licensee shall make his own arrangement for crossing of cross drainage structure, rivers, etc. below the bed. In case this is not feasible, the utility services may be carried outside the railings/parapets and the bridge superstructure. The fixing and supporting arrangement with all details shall be required to be approved in advance from the concerned Highway

Administration. Additional cost on account of fixing and supporting arrangements as assessed by the Authority shall be payable by the Licensee.

Dy General Manager (O&M)
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- 9. In exceptional cases, where Row is restricted the utility services can be allowed beneath the of service road, if available, subject to the condition that the utility services be laid in concrete carriageway 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 conduit pipe should, as minimum, extend from drain to drain in cuts and toe of slope to toe of slope in this fills and shall be designed in accordance with the provision of IRC and executed following the Specifications of the Ministry.
- 12. Existing drainage structure 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 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 clearance is given in drawing.
- 14. The utility services shall cross the National Highways 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. The casing of trenching, the sides of the trench should be done as nearly vertical as possible. The trench width should be at least 30cm. But not more than 60cms 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 maternal laid 15 cm. Layers each consolidated by mechanical tamping and controlled addition of moisture to 95% of the Proctor's Density. Overfill

Dy General Wanager (O&M)
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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 authorised representative in consultation with the Authority as per predetermined time scheduled and quality standards.
- 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 License 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 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 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.

Dy General Manager (O&M)

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- 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 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 Licensee 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 highways and other roads and try to carry out the work by trenches less 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 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 days in advance with route details prior to digging trenches, for fresh or maintenance/ repair work. A separate performance bank Guarantee for maintenance/repair work shall have to be furnished by the Licensee.
- 27. Each day the extent of drilling HDD method trenches should be strictly regulated so that utility services are laid and trenches filled 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 cable/duct.
- 29. The permission for laying utility services is granted maximum for 5 year at a time, which can thereafter be considered for renewal. On payment of additional fee at the time of renewal, the permission for automatically be renewed, unless default exist. In case of renewal rate prevailing at the time of renewal shall be charged. Delay in deposition of fee shall attract @ 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 rout/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 drawing' of utility (hard and soft copies) with geo tagged photographs and geo-tagged video recording 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 work.
- 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 satisfaction of the concerned agency in coordination 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 not shall it be absolved from any liability already incurred.
- 38. The Licensee shall ensure adherence to relevant Indian standards and follows 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 accounts 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.

500 RS. STAMP ENCLOSED

Dy General Manager (O&M)
MPMKVVCL OBAIDULLAGANJ

- 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 90days 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 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 Project, 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 authority for the project concessionaires. MORT&H/NHAI/ implanting authorities for the project shall not be liable to the concessionaires in any way in this regard.

Dy General Manager (O&M)
MPMKVVCL OBAIDULLAGAN.

500 RS. STAMP ENCLOSED

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.

BY SHRI K. C. TRaicuo

Dy Ganeral Manager (O&M)
MPMKVVCL OBAIDULLAGANA

(Signature name & address with stamp)

SIGNED ON BEHALF OF M/S:- M.P. Madhya Kshetra Vidyut Vitaran Company Limited, Nishtha Parisar, Bijalee Nagar, Govindpura, Bhopal – 462023 (LICENSEE)

General Manager (O&M Circle)
M.P.M.K.V.V.C.L. RAISEN

BY SHRI:- C. M. Pan Madhya Kshetra Vidyut Vitaran Company Limited)

(Signature, name & address with stamp)

HOLDER OF AUTHORITY LETTER DATED:

IN THE PRESENCE OF (WITNESSES):



मध्य प्रदेश MADHYA PRADESH

BS 844178

UNDERTAKING

M.P. MADHYA KSHETRA VIDYUT VITARAN COMPANY LIMITED, NISHTHA PARISAR, BIJALEE NAGAR, GOVINDPURA, BHOPAL – 462023 (M.P.)

Sub:- Underground cable pipeline (Bhopal Section): Request for granting permission to lay underground cable pipeline 1(one) locations in the state of Madhya Pradesh:

NH-45 (Bhopal to Obaidullaganj) at Km 426.954 LHS

Undertaking (10.1): M.P. MADHYA KSHETRA VIDYUT VITARAN COMPANY LIMITED hereby undertake the following conditions under the clause no: 10 of checklist of MoRT&H Circular No: RW/NH- 33044/29/2015/S&R(R) dated 22/11/.2016

M.P. MADHYA KSHETRA VIDYUT VITARAN COMPANY LIMITED hereby undertake to seal the both ends of casing pipe, so that it does not act as drainage pipe.

Undertaking (10.2): M.P. MADHYA KSHETRA VIDYUT VITARAN COMPANY LIMITED hereby Undertake the following conditions under the clause no: 10 of checklist of MoRT&H Circular No: RW/NH-33044/29/2015/S&R(R) dated 22.11.2016

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M.P. MADHYA KSHETRA VIDYUT VITARAN COMPANY LIMITED, undertake to pay security deposit, as intimated by the project Director in the form of Bank guarantee before execution of the work. And renew the same whenever it is required by NHAI.

Undertaking (10.3): M.P. MADHYA KSHETRA VIDYUT VITARAN COMPANY LIMITED hereby undertake the following conditions under the clause no: 10 of checklist of MoRT&H Circular No: RW/NH- 31044/29/2015/S&R(R) dated 22 112016

We declare that during the execution of work, we will be abiding following additional conditions:

Ministry Guidelines dated 19.11.1976 and 17 11.2000 shall be strictly followed.

10.3.1 M.P. MADHYA KSHETRA VIDYUT VITARAN COMPANY LIMITED shall ensure that there is no traffic disruption during the execution of work.

M.P. MADHYA KSHETRA VIDYUT VITARAN COMPANY LIMITED shall be responsible in case of any damages due to leakage of pipeline, if any

Undertaking (10.4):): M.P. MADHYA KSHETRA VIDYUT VITARAN COMPANY LIMITED hereby undertake the following conditions under the clause no:10 of checklist of MoRT&H Circular No: 33044/29/2015/S&R(R).dated 22.11.2016

M.P. MADHYA KSHETRA VIDYUT VITARAN COMPANY LIMITED, declares that if National Highway Authority considers it necessary in future to remove the cable pipeline for any work or repair of the road, it will be carried out as desired by the National Highway authority at the cost of Shri M.P. MADHYA KSHETRA VIDYUT VITARAN COMPANY LIMITED. Within reasonable time that is not exceeding 60days of the information given as per the instruction of the government of India, Ministry of Surface Transport.

Undertaking (10.5): M.P. MADHYA KSHETRA VIDYUT VITARAN COMPANY LIMITED hereby undertake the following conditions under the clause no: 33044/29/2015/S&R(R).dated 22.11.2016 10 of checklist of MoRT&H Circular No: RW/NH- 33044/29/2015/S&R(R).dated 22.11.2016.

M.P. MADHYA KSHETRA VIDYUT VITARAN COMPANY LIMITED, undertake to relocate service Road/Approach Road/ Utilities at its own cost notwithstanding the permission grated within such time as will be stipulated by NHAI for further six lanning or any other development.

Dy Generactianager (O&M)
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Undertaking (10.6): M.P. MADHYA KSHETRA VIDYUT VITARAN COMPANY LIMITED hereby undertake the following conditions under the clause no: 10 of checklist of MoRT&H Circular No: RW/NH-33044/29/2015/S&R(R) dated 22.11.2016

M.P. MADHYA KSHETRA VIDYUT VITARAN COMPANY LIMITED, declares that during execution of work, id any accident or mishap occurred due to the fault of M.P. MADHYA KSHETRA VIDYUT VITARAN COMPANY LIMITED. In such case M.P. MADHYA KSHETRA VIDYUT VITARAN COMPANY LIMITED be liable to pay compensation to the concerned, and during executing of the work the damage caused to the road if any, will be repaired by M.P. MADHYA KSHETRA VIDYUT VITARAN COMPANY LIMITED

Undertaking (10.7): M.P. MADHYA KSHETRA VIDYUT VITARAN COMPANY LIMITED hereby undertake the following conditions under the clause no: 10 of checklist of MoRT&H Circular No: RW/NH- 33044/29/2015/S&R(R).dated 22.11.2016

We declare that during the execution of work, we will be abiding following additional conditions:

Ministry Guidelines dated 19.11.1976 and 17.11.2000 shall be strictly followed.

10.7.1 Shoulders will not be damaged as well and in case of non-availability of space, only trenchless technology shall be used.

M.P. MADHYA KSHETRA VIDYUT VITARAN COMPANY LIMITED shall be responsible in case of any damages. of cable pipeline, if any. Que 16

Undertaking (10.8); M.P. MADHYA KSHETRA VIDYUT VITARAN COMPANY LIMITED hereby undertake the following conditions under the clause no: 10 of checklist of MoRT&H Circular No: RW/NH-33044/29/2015/S&R(R) dated 22.11.2016

M.P. MADHYA KSHETRA VIDYUT VITARAN COMPANY LIMITED, undertake to pay all the claims raised by the NHAI or its concessionaire.

Undertaking (10.9): M.P. MADHYA KSHETRA VIDYUT VITARAN COMPANY LIMITED hereby undertake the following conditions under the clause no: 10 of checklist of MoRT&H Circular No: RW/NH-33044/29/2015/S&R(R) dated 22.11.2016

Dy General Menager (O&M) MPMKVVCL OBAIDULLAGANJ M.P. MADHYA KSHETRA VIDYUT VITARAN COMPANY LIMITED will obtain Prior approval of the NHAI before undertaking any work, if installation, shifting or repairs, or alteration to the showing underground cable pipeline located in the national highway rights-of-way.

Undertaking (10.10): M.P. MADHYA KSHETRA VIDYUT VITARAN COMPANY LIMITED hereby undertake the following conditions under the clause no: 10 of checklist of MORTH Circular No: RW/NH-33044/29/2015/S&R(R) Dated 22.11.2016.

M.P. MADHYA KSHETRA VIDYUT VITARAN COMPANY LIMITED will bear the expenditure, if any, incurred by NHAI for repairing any damage caused to the national highways by the laying, maintenance or shifting of the cable pipeline.

Undertaking(10.11): M.P. MADHYA KSHETRA VIDYUT VITARAN COMPANY LIMITED hereby undertake the following conditions under the clause no: 10 of checklist of MoRT&H Circular No: RW/NH- 33044/29/2015/S&R(R).dated 22.11.2016.

M.P. MADHYA KSHETRA VIDYUT VITARAN COMPANY LIMITED, declares that fi national Highway Authority considers it necessary in future to remove the structure for any work or repair to the road, it will be carried out as desired by the National highway authority at the cost of M.P. MADHYA KSHETRA VIDYUT VITARAN COMPANY LIMITED, within reasonable time that is not exceeding 60days of the information given as per the instruction of the government of India, Ministry of Surface Transport.

Undertaking(10.12): M.P. MADHYA KSHETRA VIDYUT VITARAN COMPANY LIMITED hereby undertake the following conditions under the clause no: 10 of checklist of MoRT&H Circular No: RW/NH-33044/29/2015/S&R(R) dated 22.11.2016

- 1. This is to certify that laying of underground cable pipeline will not have any deleterious effects on any of the bridge components and roadway safety for traffic.
- .2 for 6-lanning " M.P. MADHYA KSHETRA VIDYUT VITARAN COMPANY LIMITED, do undertake that M.P. MADHYA KSHETRA VIDYUT VITARAN COMPANY LIMITED will relocate service road/approach road /utilities at my own cost

 Notwithstanding the permission grated within such time as will be stipulated by NHAI" for future six-lanning or another development".



Undertaking: M.P. MADHYA KSHETRA VIDYUT VITARAN COMPANY LIMITED hereby undertake the following conditions under the clause no: 10 of checklist of MoRT&H Circular No: RW/NH-3304 /29/2915/S&R(R) dated 22.11.2016

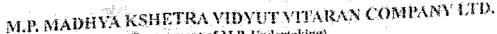
Undertaking (10.14): M.P. MADHYA KSHETRA VIDYUT VITARAN COMPANY LIMITED, declares that during the execution of work, we will be abiding following conditions:

- 1. M.P. MADHYA KSHETRA VIDYUT VITARAN COMPANY LIMITED will lay the pipeline by Boring method (HDD method) and pipeline will be at depth to 2 meter from the ground level.
- 2. Offset.....on either side.
- 3. M.P. MADHYA KSHETRA VIDYUT VITARAN COMPANY LIMITED will inform NHAI concessionaire before execution of the work.
- Al safety measures will be ensured by M.P. MADHYA KSHETRA VIDYUT VITARAN COMPANY LIMITED as per the regulations applicable from relevant departments.
- 5. Laying of underground cable pipeline will not interfere with proposed 6 lanning project work.

Undertaking: M.P. MADHYA KSHETRA VIDYUT VITARAN COMPANY LIMITED Undertake for obtaining the various safety clearances before start of work from the representative authorities such as directorate of Electricity and any other statutory clearances applicable, and shall be submitted to Highway Administration.

Authorized Signatory

Dy Gener Wanager (9&M)
MPMKVVCL OBATOULLAGANJ



(Government of M.P. Undertaking) Nishtha Parisar, Bijalee Nagar, Govindpara, Bhopal-462023. (Ph. No. 0755-2602033-36, Fax No. 0755-2589821) (Website:www.mpez.co.in, E-mail:rirdsmpez/a gmail.com)

CIN Number: U40109MP20028GC015119

No. MD/CZ/RDSS/Pek-H(Aug&Addl)/NoA/118

Bhopal, dated: 07.11.2022

Notification of Award of Contract

Mis Star Delta Transformer Ltd. 92-A Industrial Area, Govindpura Bhopal (M.P) -462023

Phone: 0755-2586680, 25873-13. Email:- orojects1sdtl@yahoo.com, star.delta@rediffmail.com

Attention:-Kind attention to Mr. Mayank Gupta (Director)

Sub:- Notification of Award of Turnkey contract for Supply, Installation, Testing and Commissioning of Augmentation and Additional PTR with associated 11 KV line in MPMKVVCL. Bhopal under the Revamped Reforms-based and Results-linked, Distribution Sector Scheme (RDSS).

Tender Specification No: - MD/MK/04/790 (Tender ID No:- 2022_MKVVC_214944_i)

Dear Sir.

Reference 1 ()

This has reference to the following:

- Our request for Bids (RFB)/ NIT No. MD/MK/04/662 dated 16.06.2022
- RFB/Bidding documents for the subject package issued vide Tender specification No. 1.1 MD/MK/04/790 and downloaded by you from e-tender portal, comprising the 1.2 following:
 - a) Part I: Bidding Procedures and Requirements.
 - b) Part 2: Employer's Requirements.
 - c) Part 3: Conditions of Contract and Contract Forms
 - 1.2.1 Amendment/ Corrigendum No. to Bidding Documents issued vide our letter no
 - a) Addendum-1 MD/MK/04/P-1/TS-790/312 dated 29:08:2022
 - b) Addendum-I MD/MK/04/P-1/1377 dated 06:09:2022
 - 1.2.2 Clarifications to the Bidding Documents, pursuant to pre-hid conference held on 10.08.2022 issued vide our letters No. MD/MK/04/P-I/TS-790/312 dated 29.08.2022.
- Technical Part (First envelope) of your Bid for the subject package under Letter of Bid/Proposal reference no 636602 which was opened on 12.09.2022.

1.4 Intimation for Opening of Financial Part (Second Envelope) of Bid issued to you with our letter/email dated 28.09,2022.

Price Part (Second Envelope) of your Bid under your Letter of Bid/ Proposal reference no 636602 which was opened on 29,09.2022.

AWARD OF CONTRACT AND ITS SCOPE

We confirm having accepted your Bid of M/s Star Delta Transformer Ltd. Bhopal (referred to at para 1.3 & 1.5 above) read in conjunction with all the specifications, terms & conditions of the Bidding Documents (referred to at para 1.2, 1.2.1 & 1.2.2 above) and award of Turnkey Contract covering interalia supply of Plant on FOR (final place of destination (Site/ Project Site)} bias interalia including design, engineering, manufacture, testing, transportation, insurance etc. alongwith other services, incidental thereto and for providing supplying all Installation Services interalia, unloading and handling of Plant, all Labour, contractor's equipment, temporary works, materials, consumables, design and preparation of layout, engineering drawings, and all matters and things of whatsoever nature, including testing, pre-commissioning, guarantee tests and commissioning, the operations and maintenance manuals, training, etc., provision of as-built drawings. applicable and necessary for the proper execution of the installation and other services, at final destination (Site/ Project Site), related to and incidental to successful installation of the Plant required for the complete execution of the Augmentation and Additional PTR with associated 11 KV line in MPMKVVCL, Bhopal as detailed in Annexure-I and the documents referred hereinabove. The scope of work interalia includes the following:

"Supply, Installation, Testing and Commissioning of Augmentation and Additional PTR with associated 11 KV line in MPMKVVCL, Bhopal under the Revamped Reforms-based and Results-linked, Distribution Sector Scheme (RDSS)"

The scope of work under this Notification of Award (NOA) shall also include all such items which are not specifically mentioned in the bidding documents and/or your bid but are necessary for the successful completion of your scope under the Contract for the construction of Augmentation and Additional PTR with associated 11 KV line in MPMKVVCL, Bhopal unless otherwise specifically excluded in the Bidding Documents or in this NOA.

2.1.1 You shall be liable for the execution of the Contract in accordance with terms and conditions of the Contract.

CONTRACT PRICE

The total Contract Price for the entire scope of work under this Contract shall be as per the Annexure-II following break-up:

S. No.	Name of the work	Supply Amount (Iu Rs.)	Erection Amount (In Rs.)	Total Amount (In Ks.)
4	Supply, Installation, Testing and Commissioning of Augmentation and Additional PTR with associated 11 KV line in MPMKVVCL, Bhopal under RDSS	77,64,30,459	6,00,27.597	83.64.58.056
2	GST@ 18%	13,97,57,483	1,08,04,967	15,05,02,450
-10-10	Total Contract Amount with GST@18%	91,61,87,942	7,08,32,564	98,70,20,506

(Contract Amounts in words: - Rs. Ninty Eight Cores, Seventy Lakh, Twenty Thousand and Five Hundred Six only).

- 3.2 Notwithstanding the break-up of the Contract Price, the Contract shall, at all times, be construed as a single source responsibility Contract and any breach in any part of the Contract shall be treated as a breach of the entire Contract.
- 4.0 You are required to furnish at the earliest a Performance Security (ies), as per the Bidding Documents, for an amount of Rs. 2.96,10.615/- i.e., equal to [3% (Three percent)] of the Contract Price and any other securities as per the Bidding Documents.
- Documents) equal to 15% in two installments (7.5% each) of the Ex-works Supply Price component and initial interest-bearing advance payment adjustable equal to 10% in two installments (5% each) of the Installation & Service component of the Contract Price. You are interalia, required to furnish and acceptance of unconditional & irrevocable part Bank Guarantees (in two (02) equal instatement) in favor of employer with total amounting to 110% of total advance amount as per Performa in bid documents. For release of the 1st Installment of advance the Bank Guarantee equal to 110% of 1st Installment amount shall be taken. Once it gets adjusted and the 2nd installment is due for release, the Bank Guarantee for the 2nd installment equal to 110% of 2nd Installment amount shall be taken. The said Bank Guarantees shall be initially valid up to end of thirty (30) days after the scheduled month of supply of materials and shall be extended from time to time till thirty (30) days beyond revised scheduled month of supply of materials, as may be required under the Contract.
- 6.0 All the bank guarantees shall be furnished from an eligible bank as described in the Bidding Documents.
- 7.0 The schedule for Taking Over / Completion of Facilities by the Employer upon successful Completion of the Augmentation and Additional PTR with associated 11 KV line in MPMKVVCL, Bhopal shall be 24 months from the date of issue of this Notification of Award for all contractual purposes.
- 8.0 This Notification of Award constitutes formation of the Contract and comes into force with effect from the date of issuance of this Notification of Award.
- 9.0 You shall enter into a Contract Agreement with us within twenty-eight (28) days from the date of this Notification of Award.

- 10.0 This Notification of Award is being issued to you in duplicate. We request you to return its duplicate copy duly signed and stamped on each page including the enclosed Appendix/Annexure.
- II.6 The Chief General Manager (W&P) MPMKVVCL. Dhopal or nominated by DISCOM will be over all in-charge of the project. The work shall be supervised through the concerned General Manager (O&M/City) of Circle as Project Manager and concerned by General Manager (O&M/City) of Circle as Nodal Officer MPPKVVCL, or designated representatives as Nodal Officer by General Manager.
- Closure Report: Within one month from the date of completion of this contract, consolidated report, prescribed closure formats & all required documents / certificates in respect of CIS based survey, which shall cover mapping Augmentation and Additional PTR with associated 11 KV line in MPAIKVVCL. Bhopal is to be submitted for all the works executed. Further within one month after completion of project, contractor has to submit the statement for actual quantities consumed against the works Completed vis-a-vis the quantities as mentioned in schedules, Annexure-1 & II, statement of invoices and RA bills.

Please acknowledge receipt of this contract and take immediate action to commence & complete all formalities for works of supply and erection works under the contract.

Lacta-

- 1. Abstracts of work to be executed
- 2. Schedule for supply of Plants and installation & other services.
- 3. Form of Contract Agreement.
- 4. Form of Bank Guarantee for Performance Security Deposit.
- 5. Form of Bank Guarantee for Advance Payment.
- 6. Bid Document (Volume-1, 2 A&B and 3)

Yours faithfully,

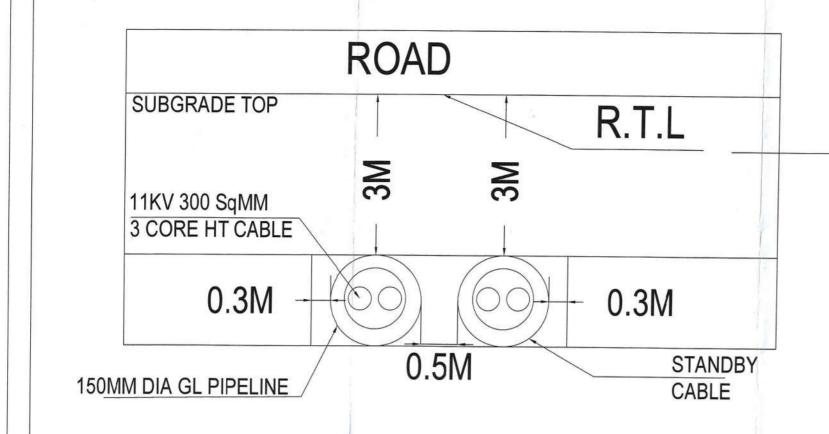
Raju Dehariya CGM (Works & Pinaning) MPMKVVCL, BHOPAL

Copy to:-

- 1. The Chief General Manager (HR&A/ Procurement/QCMM/IT/ SM&O/M&BM), M.P.M.K.V.V.Co. Ltd., Bhopal.
- 2. The Chief Financial Officer, O/o MD (CZ), M.P.M.K.V.V.Co. Ltd., Bhopal.
- 3. The Chief General Manager (BR/GR), M.P.M.K.V.V.Co. Ltd., Bhopal/Gwalior.
- 4. The General Manager (O&M/City), M.P.M.K.V.V.Co. Ltd.,
- 5. The GM (RO), O/o MD, M.P.P.M.Co. Ltd., Bhopal.
- 6. The General Manager (IT/SCADA), O/o MD (CZ), M.P.M.K.V.V.Co. Ltd., Bhopal.
- 7. M/s Voyants Solution Pvt. Ltd. (JV) (Project Management Agency -PMA), 403, 4th Floor Park Center, Sector 30, Gurugram, Harayana 122001

- for necessary action please.

Dy. CGM (Project) MPMKYVCL, BHOPAL



OVER FILL(GRANULAR MATERIAL IN LAYERS NOT GREATER THAN 15 CM IN EACH YEAR

SECTION YY CROSS SECTION DETAIL FOR CROSSING OF PIPE LAYING

M.P. MADHYA KSHETRA VIDYUT VITARAN COMPANY LIMITED

ADDRESS:-NISHTHA PARISAR, BIJALEE NAGAR, GOVINDPURA, BHOPAL-462023 (M.P)

SUBJECT :- DETAIL PLAN OF UNDERGROUND CABLE UTILITY

REGARDING PERMISSION FOR LAYING
UNDERGROUND ROAD CROSSING OF 11KV LINE
BY TRENCHLESS (HDD METHOD). ON NH-46,
CH.426.954,LHS, VILLAGE – SIMRAI, TEHSIL –
GOHARGANJ, DISTRICT – RAISEN IN THE STATE
OF THE MADHYA PRADESH

Manager
MPRDC, Bhopal

Asstt. General Manager
MPRDC, Bhopal

Dy General Manager (O&M)
MPMKVVCL OBAIDULLAGANJ

AUTHORIZED SIGNATORY