



# भारतीय राष्ट्रीय राजमार्ग प्राधिकरण

(सड़क परिवहन और राजमार्ग मंत्रालय, भारत सरकार)

**NATIONAL HIGHWAYS AUTHORITY OF INDIA**

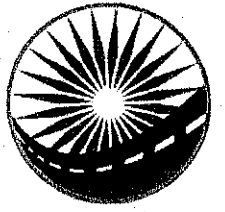
(Ministry of Road Transport and Highways, Govt. of India)

क्षेत्रीय कार्यालय / REGIONAL OFFICE

ई-2/167, अरेरा कॉलोनी, हबीबगंज रेल्वे स्टेशन के पास, भोपाल (म.प्र.) 462016

E-2/167, Arera Colony, Near Habibganj Railway Station, Bhopal (M.P.) 462016

दूरभाष/Phone : 0755-2426638, फैक्स /Fax : 0755-2426698, ई-मेल/E-mail : robhopal@nhai.org



भारतमाला  
प्रगति के पथ पर अग्रसर  
**BHARATMALA**  
ROAD TO PROSPERITY

NHAI/RO-MP/BPL/Pipe line/NH-12/2020/ 39736

Date: 21.07.2020

## Invitation of Public Comments

**Sub:** Balance work for four laning of Bhopal-Biaora Section of NH-12 from Lalghati Sqare Km. 315.725 to Mubarakpur (Bhopal Bypass) Km. 324.00 (Package-I) on EPC mode in the State of MP-**Approval for laying of underground cable pipeline (33KV, 185 Sqmm, 3 Core HT cable) on NH land-Reg.**

**Ref:** (i) PD, PIU-Bhopal letter no. 15922 dated 26.06.2020.  
(ii) Applicant Siddharth Agarwal Education & Welfare Society, Bhopal letter dated 17.02.2020.

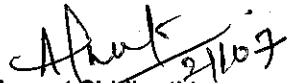
The Project Director, PIU-Bhopal NHAI vide their letter no. 15922 dated 26.06.2020 has submitted the proposal for **laying of underground cable pipeline (33KV, 185 Sqmm, 3 Core HT cable)** at Km. 321+210 of Bhopal-Biaora Section on NH-12 as submitted by Applicant Siddharth Agrawal Education & Welfare Society, Bhopal vide their letter dated 17.02.2020 (**The proposal is enclosed with this letter**).

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 (copy of application is enclosed) and the same should reach to below mentioned address till **21.08.2020** beyond which no comments will be considered.

The Highway Administrator  
O/o Regional Officer,  
National Highways Authority of India  
E-2/167, Arera Colony,  
Near Habibganj Railway Station,  
Bhopal (MP)-462016  
E-mail ID: robhopal@nhai.org

4. This issues with the approval of Highways Administrator-Cum Regional Officer, NHAI-Bhopal (MP).

  
(Avneet Siddharth)  
Dy. Manager (T)

### Copy to:

- (i) Web-Admin, [nhai.org@gmail.com](mailto:nhai.org@gmail.com), NHAI-HQ for uploading on NHAI website.
- (ii) The Senior Technical Director, NIC, Transport Bhawan, New Delhi-110001 for uploading on Ministry's Website.
- (iii) The Project Director, PIU-Bhopal for information please.
- (iv) Applicant Siddharth Agrawal Education & Welfare Society, Bhopal (MP) for information.

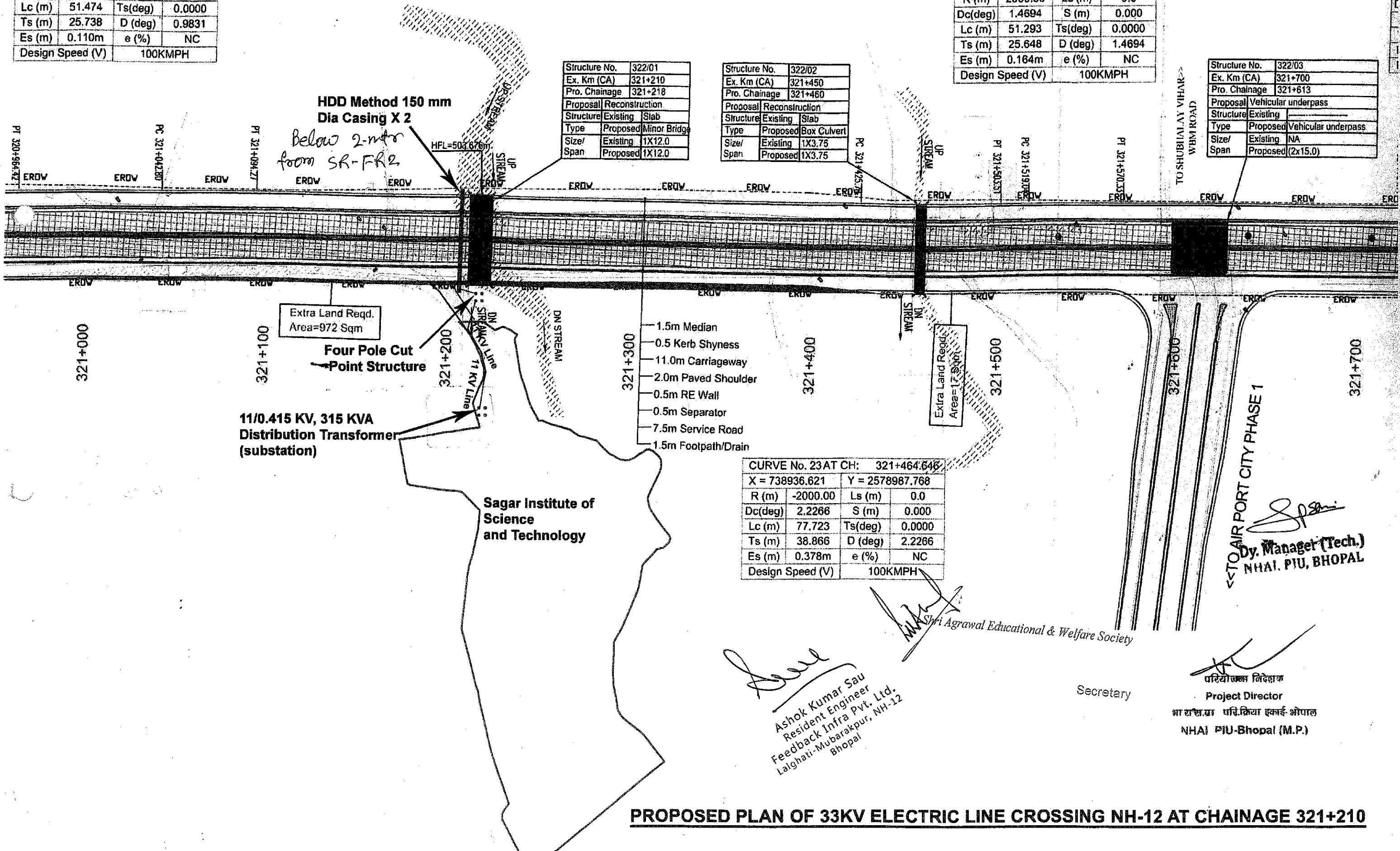
CURVE No. 22 AT CH: 321+068.537			
X = 739228.005		Y = 2578719.438	
R (m)	3000.00	Ls (m)	0.0
Dc(deg)	0.9831	S (m)	0.000
Lc (m)	51.474	Ts(deg)	0.0000
Ts (m)	25.738	D (deg)	0.9831
Es (m)	0.110m	e (%)	NC
Design Speed (V)	100KMPH		

CURVE No. 24 AT CH: 321+544.687			
X = 738875.675		Y = 2579039.665	
R (m)	2000.00	Ls (m)	0.0
Dc(deg)	1.4694	S (m)	0.000
Lc (m)	51.293	Ts(deg)	0.0000
Ts (m)	25.648	D (deg)	1.4694
Es (m)	0.164m	e (%)	NC
Design Speed (V)	100KMPH		

Structure No.	322/03
Ex. Km (CA)	321+700
Pro. Chainage	321+613
Proposal	Vehicular underpass
Structure Existing	
Type	Proposed Vehicular underpass
Size/ Existing	NA
Span	Proposed (2x15.0)

Structure No.	322/01
Ex. Km (CA)	321+210
Pro. Chainage	321+218
Proposal	Reconstruction
Structure Existing	Slab
Type	Proposed Minor Bridge
Size/ Existing	1X12.0
Span	Proposed 1X12.0

Structure No.	322/02
Ex. Km (CA)	321+450
Pro. Chainage	321+460
Proposal	Reconstruction
Structure Existing	Slab
Type	Proposed Box Culvert
Size/ Existing	1X3.75
Span	Proposed 1X3.75



HDD Method 150 mm Dia Casing X 2  
Below 2-mtr from SR-FR2

Extra Land Reqd. Area=972 Sqm  
Four Pole Cut Point Structure

11/0.415 KV, 315 KVA Distribution Transformer (substation)

Sagar Institute of Science and Technology

- 1.5m Median
- 0.5m Kerb Shyness
- 11.0m Carriageway
- 2.0m Paved Shoulder
- 0.5m RE Wall
- 0.5m Separator
- 7.5m Service Road
- 1.5m Footpath/Drain

CURVE No. 23 AT CH: 321+464.646			
X = 738936.621		Y = 2578987.768	
R (m)	-2000.00	Ls (m)	0.0
Dc(deg)	2.2266	S (m)	0.000
Lc (m)	77.723	Ts(deg)	0.0000
Ts (m)	38.866	D (deg)	2.2266
Es (m)	0.378m	e (%)	NC
Design Speed (V)	100KMPH		

Extra Land Reqd. Area=17 Sqm

TO AIR PORT CITY PHASE 1

TO SHUBHILAY VIHAR WBM ROAD

Ashok Kumar Sau  
Resident Engineer  
Feedback Infra Pvt. Ltd.  
Laighati-Mubarakpur, NH-12  
Bhopal

Shri Agrawal Educational & Welfare Society

Secretary

परियोजना निदेशक  
Project Director  
भारतीय राष्ट्रीय परियोजना इकाई-भोपाल  
NHAI PIU-Bhopal (M.P.)

Dy. Manager (Tech.)  
NHAI, PIU, BHOPAL

**PROPOSED PLAN OF 33KV ELECTRIC LINE CROSSING NH-12 AT CHAINAGE 321+210**

# Shri Agrawal Educational & Welfare Society

The Sagar, E-2/4, Arera Colony, Opp. Habibganj Railway Station, Bhopal (M.P) - 462016

Ph.: 0755-2460107, 2460108, 4077097, 4077098

Ref. No. ....

Date. ....

Date:-17/02/2020

To,  
The Project Director,  
National Highway Authority of India  
PIU, Bhopal

**Subject:- Regarding approval for lying of underground cable pipeline(33KV,185 Sqmm, 3core HT cable)on NH land.**

Respected Sir,

With reference to the above stated subject, we want to increase our premises load from 11KV to 33 KV. The line of 33KV is just opposite to our campus that's why we have to opt the process of underground road crossing for 33KV. For this purpose we will use 33 KV, 185 Sq.mm, 3 Core XLPE HT cable in the Pipe line of 150mm dia and length 45meter (150mm dia pipeline x 2) road crossing as per MPEB recommendations.

MPEB has already permitted for 33KV Line. For this we are ready to follow all the terms and conditions of NHAI.

So we request you to permit us for underground NH-12 road crossing of 33 KV cable.

Thanking You

For Agrawal Educational & Welfare Society

Siddharth Agrawal  
(Secretary)

Secretary

कार्यालय प.नि. भा.रा.रा. प.ई.-भोपाल  
प्र.क्र./दि. 22982 / 17.02.2020  
सम्बन्धित प्रबन्धक (त)-1/1/11  
उप प्रबन्धक (त)-VI

लेखापाल / JAO

सहायक 1/1/11

A.S. P. N. Agrawal  
प. नि.

## CHECK-LIST

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 50/- 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 laying of underground cable pipeline (33KV,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 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.

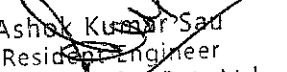
S.NO	Item	Information/Status	Remarks
1	<b>General Information</b>		
1.1	Name and Address of the Applicant/ Agency	Shri Agrawal educational and Welfare Society Airport road, Gandhi Nagar Bhopal  E-2/4 Arera colony opposite Habibganj railway station Bhopal(462016)	✓
1.2	National Highway Number	NH 12	✓

*Shri Agrawal Educational & Welfare Society*

  
Project Director  
NHAJ PIU-Bhopal (M.P.)

  
परियोजना निदेशक  
Project Director  
भारतीय राष्ट्रीय परियोजना निदेशक-भोपाल  
NHAJ PIU-Bhopal (M.P.)

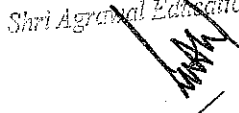
Secretary

  
Ashok Kumar Sahu  
Resident Engineer  
Feedback Infra Pvt. Ltd.  
Lalghati-Mubarakpur, NH-12  
Bhopal


1.3	State	Madhya Pradesh	
1.4	Location	NH 12 Bhopal to Indore (Gandhi Nagar near airport Bhopal)	
1.5	(Chainage in KM)	321+210	
1.6	Length in Meters	40 meters	
1.7	Width of available ROW		
	(a) Left side from center line towards increasing chainage/Km direction	22.5 meter (pole to Pole)	
	(b) Right side from center line towards increasing chainage/Km direction	22.5 meter (pole to Pole)	
1.8	Proposal to lay underground electrical cable.	NA	
	(a) Left side from center line towards increasing chainage/Km direction	NA	
	(b) Right side from center line towards increasing chainage/Km direction	NA	
1.9	Proposal to acquire land	NA	
	(a) Left side from center line.	NA	
	(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 12 Gandhi Nagar Bhopal)	
1.11	Details of already laid services, if any, along the proposed route	NA	
1.12	Number of existing lanes (2/4/6/8 lanes)	4/6 lanes	
1.13	Proposed Number of lanes (2 lanes with paved shoulders/4/6/8 lanes)	4/6 lanes	
1.14	Services road existing or not If yes then which side	Yes	
	(a) Left side from center line.	6.5 Mtr	
	(b) Right side from center line.	6.5 Mtr	
1.15	Proposed service road	NA	
	(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.	Beyond Service Road.	
1.17	Whether carrying underground cable pipeline has been proposed on highway bridges. If yes then mention the methodology proposed for the same.	Yes, HDD Will be adopted as per drawing	
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.	NA	
1.19	<b>If crossing of the road involved</b>		
	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	

  
**Dy. Manager (Tech.)**  
**NHAI, PIU, BHOPAL**

Shri Agrawal Educational & Welfare Society


  
परियोजना निदेशक  
**Project Director**  
भारतीय राष्ट्रीय परिवहन निदेशक भोपाल  
**NHAI PIU-Bhopal (M.P.)**

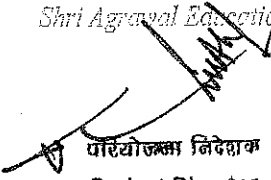
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Feedback Infra Pvt. Ltd.  
Lalghati-Mubarakpur, NH-12  
Bhopal


	(a) Whether existing drainage structures are allowed to carry underground cable pipeline.	NO	
	(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.	15m.	
	(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 pipe/cable. Mention type of casing.	DWC Casing. Pipe.	
	(e) Ends of the casing/ conduit pipe shall be sealed from the outside, so that it does not act as a drainage path.	Yes	
	(f) The casing/ conduit 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/ conduit 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	
	(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	
	(i) The casing /conduit pipe shall be installed with an even bearing throughout its length and in such a manner as to prevent the formation of a waterway along it.	Yes	
<b>2</b>	<b>Document/ Drawings to be enclosed with the proposal.</b>	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	
	(i) Should not be greater than 60 cm 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.	NA	
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.	Incorporated in the drawing	

Shri Agrawal Educational & Welfare Society

  
Dy. Manager (Tech.)  
NHAI, PIU, BHOPAL


  
परियोजना निदेशक  
Project Director  
भा.स.स.स. परि.क्रिया इकाई भोपाल  
NHAI PIU-Bhopal (M.P.)


Secretary

  
Ashok Kumar Sau  
Resident Engineer  
Feedback Infra Pvt. Ltd.  
Lalghati-Mubarakpur, NH-12  
Bhopal

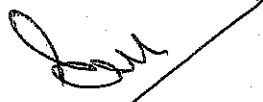
2.4	Methodology for laying of underground cable pipeline.	HDD method	
2.4.1	Open Trenching method. (May be allowed in utility corridor only where pavement is neither cement concrete nor dense bituminous concrete type. IF yes, What is the Methodology of refilling of trench?	NA	
	(a) The trench width should be at least 30 cm, but not more than 60cm wider than the outer diameter of the pipe.	NA	
	(b) For filling of the trench, bedding shall be to a depth of not less than 30 cms. It shall consist of granular material free of lumps, clods and 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.	NA	
	(c) The backfill shall be completed in two steps (i) side fill to the level of the top to the pipe and (ii) overfill to the bottom of the road crust.	NA	
	(d) The side fill shall consist of granular material laid in 15 cm layers each consolidated by mechanical tampering and controlled addition of moisture to 95% of the Proctors' density. Over fill shall be compacted to the same density as the material that had been removed. Consolidation by saturation or ponding will not be permitted.	Na	
	(e) The road crust shall be built to the same strength as the existing crust on either side of the trench. Care shall be taken to avoid the formation of a dip at the trench.	NA	
	(f) The excavation shall be protected by flagman, signs and barricades, and red lights during night hours.	NA	
	(g) If required, a diversion shall be constructed at the expenses of agency owning the utility line.	NA	
2.4.2	Horizontal Directional Drilling (HDD ) Method	Yes	
2.4.3	Methodology for laying of underground cable pipeline through CD works and method of laying. In cases where the carrying of underground cable pipeline on the bridge becomes inescapable.	NA	
3	<b>Draft License Agreement signed by two witnesses.</b>	Yes	
4	Performance bank Guarantee in favour of NHAI has to be obtained @ Rs 50/- per running meter (parallel to NH) and Rs 1,00,000/- per crossing of NH, for a period of one 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 license for clearing debris/loose earth. Performance BG as per above is to be obtained.	Bank Guarantee will be paid by Shri Agrawal Educational And Welfare Society & will same intimate to NHAI.	
4.1	Confirmation of BG has been obtained or not as per NHAI guidelines.		

Shri Agrawal Educational & Welfare Society

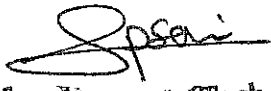
  
**Dy. Manager (Tech.)**  
**NHAI, PIU, BHOPAL**

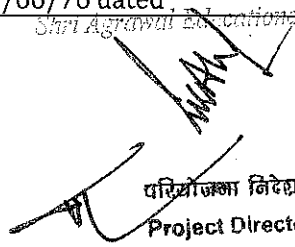
  
परियोजना निदेशक  
Project Director  
आ राज्य.प्रा परि.क्रिया इकाई भोपाल  
NHAI PIU-Bhopal (M.P.)

Secy. 27


  
Ashok Kumar Sau  
Resident Engineer  
Feedback Infra Pvt. Ltd.  
Lalghati-Mubarakpur, NH-12  
Bhopal

5	<b>Affidavit/ Undertaking from the Applicant for the following are to be furnished.</b>		
5.1	Not to Damage to other utility, if damaged then pay the losses either to NHAI or to the concerned agency.	Yes	
5.2	For renewal of bank Guarantee	Yes	
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		
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-of- ways.	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		
	(i)Laying of Underground cable pipe line will not have any deleterious effects on any of the bridge components and roadway safety for traffic.	I will not have any deleterious effects.	
	(ii)"We do undertake that I will relocate service road/approach road/utilities at my own cost notwithstanding the permission granted within such time as will be stipulated by NHAI" for future four/ six-lanning or any other development.	Yes	
6	Who will sign the agreement on behalf of Underground cable pipe line agency?	Secretary of Shri Agrawal Educational And Welfare Society	
	Power of Attorney to sign the agreement is available or not.	NOT	
7	<b>The project director, will submit the following Certificates.</b>		
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,		

  
**Dy. Manager (Tech.)**  
**NHAI, PIU, BHOPAL**

  
 परिचालन निदेशक  
**Project Director**  
 आरा.स.स. परि.क्रिया इकाई भोपाल  
**NHAI PIU-Bhopal (M.P.)**

Secretary

  
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 Lalghati-Mubarakpur, NH-12  
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	18/19.11.1976, RW/NH-III/P/66/76 dated 11.5.1982, RW/NH-11037/1/86/DOI (ii) dated 28.7.1993, RW/NH-11037/1/86/DOI DATED 19.1.1995, RW/NH-34066/2/95/S&R dated 25.10.1999 and Circular No. RW/NW-34066/7/2003 S&R (B) dated 17.9.2003		
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".		
8	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 [-----Section from Km-----to Km-----of NH No: ----- build, operate and transfer basis] and therefore, the licensee shall honor the same."	NA	
9	Who will supervise the work of laying of underground cable line		
	(a) On behalf of the Applicant	Mr. Ajay Pandey	
	(b) On behalf of NHAI	Authority Engineer of the Project	
10	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		
	(a) On behalf of the Applicant	Mr. Ajay Pandey	
	(b) On behalf of NHAI	Authority Engineer of the Project	
11	Who will pay the claims for damages done/disruption in working of concessionaire if asked by the Concessionaire?	Shri Agrawal educational And Welfare Society	
	On behalf of the Applicant	Secretary	
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 photocopy is enclosed.	NO	

*Shri Agrawal Educational & Welfare Society*

*[Signature]*

**Dy. Manager (Tech.)  
NHAI, PIU, BHOPAL**

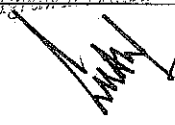
*[Signature]*  
परियोजना निदेशक  
Project Director  
आ.रा.स.पा. परियोजना इकाई-भोपाल  
NHAI PIU-Bhopal (M.P.)

Secretary

*[Signature]*  
Ashok Kumar Sau  
Resident Engineer  
Feedback Infra Pvt. Ltd.  
Laighati-Mubarakpur, NH-12  
Bhopal

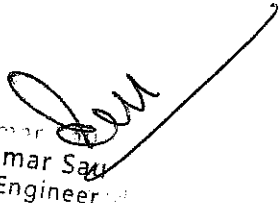
14	Name of Highway authority of NHAI/PWD/BRO	NHAI	
15	Highway Administration address	HIG-5/E-3, Old Habibganj Naka, Near Ganesh Mandir Bhopal (M.P) 462016	

Shri Arjun Educational & Welfare Society



Secretary

Ashok Kumar  
Ashok Kumar Saw  
Resident Engineer  
Feedback Infra Pvt. Ltd.  
Lalghati-Munbarakpur, NH-12  
Bhopal



Verified by



Project Director  
Project Director

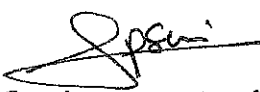
National Highway Division, Bhopal  
NHAI PIU-Bhopal (M.P.)




Dy. Manager (Tech.)  
NHAI, PIU, BHOPAL

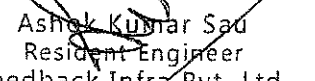
S. No.	Item	Measurement observation as per site condition	MoRTH Norms	Weather complying with MoRTH Norms (Y/N)
1	Details of already laid services, if any, along the proposed route	NA		—
2	Whether up-gradation of the stretch in near future is proposed or not	NA		—
	(a) If yes, provision of utility adversely affect the plan of up-gradation	NA		—
3	<b>Laying of the utility service along the National Highways</b>			
3.1	Location of the proposed utility service along the stretch			
3.2	Depth of top of Utility service from ground level			—
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.			—
4	<b>Laying Utility Services across to N.H</b>			
4.1	Whether Existing drainage structures is allowed to carry the utility lines.	NO		—
4.2	Proposed crossing of utility service.	45 Meter (150 mm dia pipeline X2)		—
4.3	Type of casing pipe/conduit carrying the utility line.	HDD Method (Casing Pipe)		—
4.4	Whether ends of the casing/ conduit pipe are sealed from the outside.	Yes		—
4.5	Length of casing/conduit pipe crossing N.H	45 Meter (150 mm dia pipeline X2)		—
4.6	Depth of casing/conduit pipe.	2 meter depth		—

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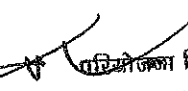
  
परियोजना निदेशक  
Project Director  
आ.स.स.प्रा. परि.क्रिया इकाई भोपाल  
NHAI PIU-Bhopal (M.P.)

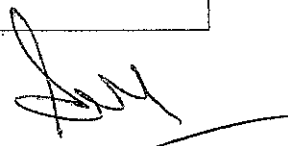
  
Ashok Kumar Sahu  
Resident Engineer  
Feedback Infra Pvt. Ltd.  
Lalghati-Mubarakpur, NH-12  
Bhopal

4.7	Crossing method in case of CC pavement.	HDD Method		1
4.8	Horizontal and Vertical clearances in case utilities are allowed overhead.	NA		1
5	<b>Document/ Drawings enclosed with the proposal</b>			
5.1	Cross-section showing the size of trench for open trenching method	NA		1
	(a) Trench width	NA		1
	(b) Filling of Trench	NA		1
	(c) Location of Trench	NA		1
5.2	Cross-section showing the size of pit and location of conduit for HDD Method	Drawing enclosed		1
5.3	Strip plan/ Route plan showing utility line, chainage, width of ROW, distance of proposed utility from the edge of the ROW, important mile stone, intersections, cross drainage works etc.	Drawing enclosed		1
5.4	Plan and profile drawing of stretch showing cross- section of road at 20 m distance along with ROW and Proposed Utility.	Drawing Enclosed		1
6	Methodology for laying of utility line	HDD Method (Drawing enclosed)		1
7	Draft license Agreement is as per Ministry guidelines vide letter No. -RW/NW----- dated ----- and signed by two witnesses.	Yes		1
8	License fees in favor of MoRTH RPAO Jaipur			1
9	Whether Bank Guarantee has been obtained.	Will be submitted as and when informed by NHAI		1
	(a) If yes, whether confirmation of BG has been obtained as per MoRTH/ NHAI guidelines.	Will be submitted as and when informed by NHAI		1
10	<b>Affidavit/ Undertaking from the Applicant for the following is to be furnished.</b>			

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**NHAI, PIU, BHOPAL**


  
 Secretary  
  
 परिचालन निदेशक  
**Project Director**  
 आ.रा.स.स. परि.क्रिया इकाई भोपाल  
**NHAI PIU-Bhopal (M.P.)**

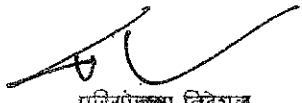
  
**Ashok Kumar Sau**  
 Resident Engineer  
 Feedback Infra Pvt. Ltd.  
 Lucknow, Muzarabpur, NH-12


10.1	Undertaking for not to Damage to other existing utility, if damaged then to pay the losses either to NHAI or to the concerned agency.			
10.2	Undertaking for Renewal of BG and when asked by NHAI/ Morth.			
10.3	undertaking for confirming all standard condition of MoRTH/ NHAI guidelines.			
10.4	Undertaking for shifting of utility as and when asked by MoRTH/ NHAI within a month at their own cost.			
10.5	Undertaking for indemnity against all damages and claim.			
10.6	Undertaking for management of traffic movement during laying of utility line without hampering the traffic.			
10.7	Undertaking if any claim is raised by the Concessionaire/ contractor then the same has to be paid by the applicant.			
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.			

*Shri Agrawal Educational & Welfare Society*

  
**Dy. Manager (Tech.)**  
**NHAI, PIU, BHOPAL**

  
Secretary

  
परियोजना निदेशक  
**Project Director**  
आ रा रा.रा परि.क्रिया इकाई-भोपाल  
**NHAI PIU-Bhopal (M.P.)**

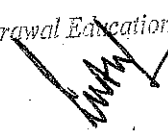
  
**Ashok Kumar Sau**  
Resident Engineer  
Feedback Infra Pvt. Ltd.  
Laighati-Mubarakpur, NH-12  
Bhopal

**Availability of Right of the Way (ROW)**

1. The Right of the Way (ROW) of NH-12 (Bhopal to Indore), at KM 321+210 available at the location from the center line of divided carriageway is 29 meter at LHS towards increasing chainage of NH ( From center to ROW to edge of ROW towards proposed utility).

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

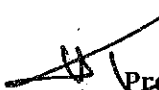
*Shri Agrawal Educational & Welfare Society*




Secretary

Ashok Kumar Sau  
Resident Engineer  
Feedback Infra Pvt. Ltd.  
Laghat, Mubarakpur, NH-12  
Bhopal

Verified by

  
Project Director,  
परियोजना विभाग  
National Highway Division, Bhopal  
Project Director


भारत सरकार परियोजना इकाई-भोपाल  
NHAI PIU-Bhopal (M.P.)


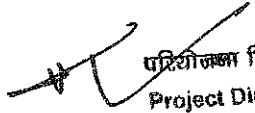
  
By. Manager (Tech.)  
NHAI, PIU, BHOPAL


**ANNEXURE 'A'**  
**Details of Laying Underground 33KV HT line across National Highway**

1	(i)	Name of company asking for permission	Shri Agrawal Educational and Welfare Society
	(ii)	Full Address	E 2/4 Arera Colony, opposite Habibganj railway Station Bhopal (462016)
	(iii)	Telephone no. and Fax	9977787727, 0755-2460108 & Fax No. 4077098
	(iv)	Detail and purpose for laying the Underground 33KV HT Cable pipeline through NHAI land	Educational Institution & Non- Industrial
	(v)	Any other detail regarding laying	
		(a) Distance of proposed site from the center of the road	NA
		(b) Whether it is possible to lay the proposed lines or not (reason)	Yes
		(c) Whether it is possible to cross the proposed lines through existing line or not (reasons)	NA
2		Detail Regarding Road alignment where U/G Cable/Pipe is to be laid along the road	
	(i)	Name of Road	NH-12 ( Bhopal to Indore), between Km stone 321+210
	(ii)	Category of road (to be ascertained from K.M. Stone on road side)	National Highway
	(iii)	Width of the road	
		(a) Formation width measured from earthen bank	NH-12 : 45Meter
		(b) Black topped carriageway width	NH-12 : 29 Meter(Include divider width)
		(c) Road Boundary	NH-12 : 45 Meter
		(All these detail are to be Show on the drawing also)	Yes
		(d) Location of pipeline crossing	Drawing attached
3		Details to be supplied on layout drawing (6 set)	Attached
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	

*Shri Agrawal Educational & Welfare Society*

  
**Dy. Manager (Tech.)**  
**NHAI, PIU, BHOPAL**

  
Secretary  
  
परियोजना निदेशक  
Project Director  
आ रा.स.पा परि.क्रिया इकाई भोपाल  
NHAI PIU-Bhopal (M.P.)

  
Ashok Kumar Sau  
Resident Engineer  
Feedback Infra Pvt. Ltd.  
Lalghati-Mubarakpur, NH-12  
Bhopal

5	(i)	This is certify that no Govt. Road land shall be occupied by Shri Agrawal Educational and Welfare Society 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 Shri Agrawal Educational and Welfare Society.	Acceptable
	(iii)	This is to certify that all required cost and fees as per rule and regulation of Govt. will be deposited timely.	Acceptable

Date: -

Place:-

Authorized Signatory

*Shri Agrawal Educational & Welfare Society*




Ashok Kumar Sau  
Resident Engineer  
Feedback Infra Pvt. Ltd.  
Laighati-Mubarakpur, NH-12  
Bhopal

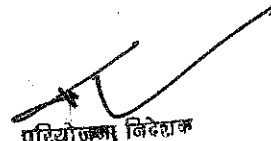
Siddharth Agrawal

Secretary

Secretary



**Dy. Manager (Tech.)**  
NHAI, PIU, BHOPAL



परियोजना निदेशक  
Project Director  
भा.सं.स.प. परियोजना इकाई-भोपाल  
NHAI PIU-Bhopal (M.P.)




## ANNEXURE "B"

### Information to furnished 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 crossing point.	321+210
2		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 Method (HDD Method)
4		Crossing details: Plane and cross section drawing showing depth of crossing at a minimum 2 meter from existing ground with 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

Date

Ashok Kumar Sau  
Resident Engineer  
Feedback Infra Pvt. Ltd.  
Lalghati-Mubarakpur, NH-12  
Bhopal



**Dy. Manager (Tech.)**  
NHAI, PIU, BHOPAL

Authorized Signatory  
Shri Agrawal Educational & Welfare Society

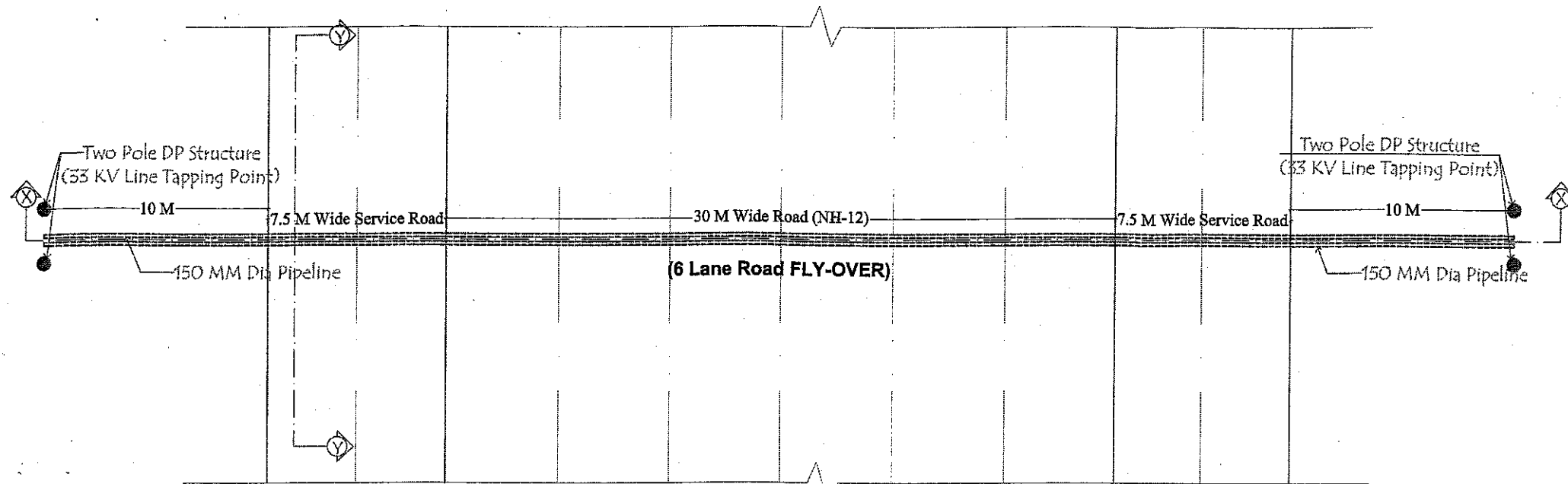


Secretary

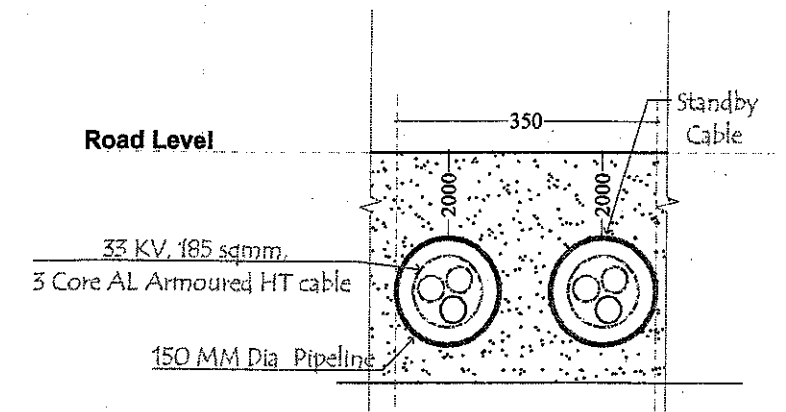
**Siddharth Agrawal**

Secretary

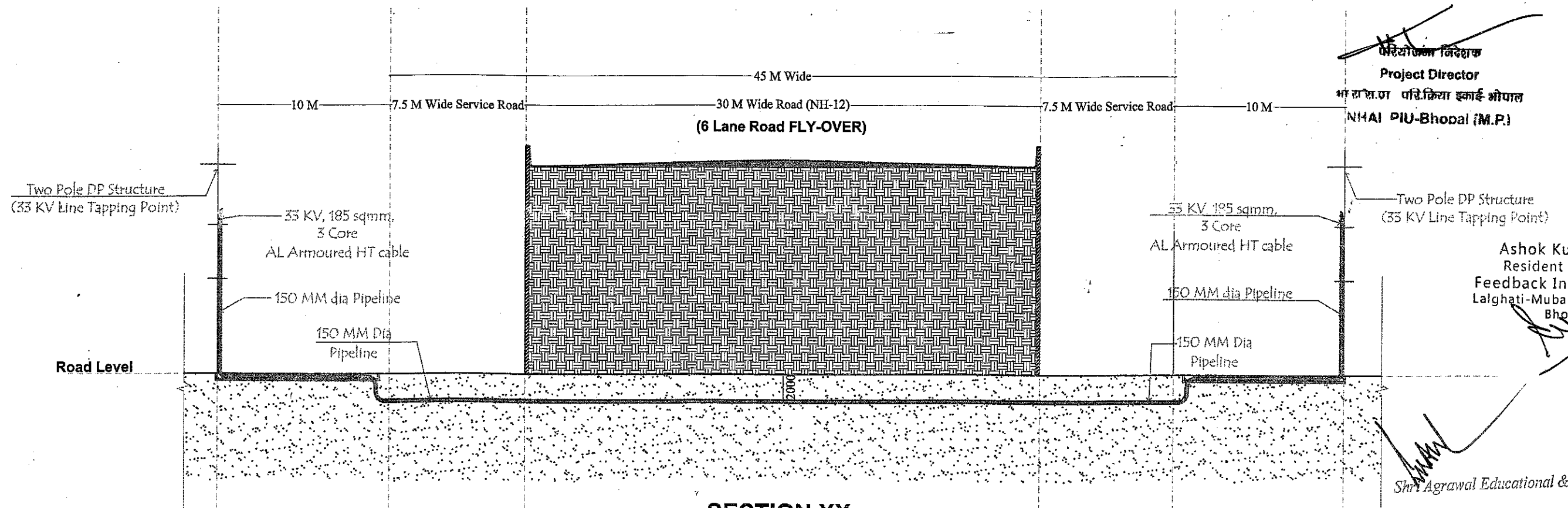
## Laying of Underground Cable Pipeline (33KV 185 sqmm, 3 Core HT Cable) on NH Land



**ROAD LAYOUT  
(NH-12)**



**SECTION YY  
(SCALE:N.T.S)**



**SECTION XX**

*[Signature]*  
**Dy. Manager (Tech.)**  
NHAI, PIU, BHOPAL

*[Signature]*  
**परियोजना निदेशक**  
**Project Director**  
भारतीय राष्ट्रीय परिवहन निदेशक भोपाल  
NHAI PIU-Bhopal (M.P.)

**Ashok Kumar Sau**  
Resident Engineer  
Feedback Infra Pvt. Ltd.  
Lalghati-Mubarakpur, NH-12  
Bhopal

*[Signature]*  
Shri Agrawal Educational & Welfare Society