



No. RO/MUM/Laying Utility/MAH/2020-21/ P-42/3754 .

Office of the Chief Engineer

Government of India, Ministry of Road Transport & Highways
(Regional Office, Maharashtra, Goa)

Room No. 508 & 509, Konkan Bhavan, 5th Floor, Sector-6, C.B.D, Belapur, Navi Mumbai- 400614

Tel:- 022-27562370, 27562369, Email:- romum-morth@gov.in; romorthmumbai@gmail.com

Date: 25.05.2022

INVITATION OF PUBLIC COMMENT'S

Subject: - Proposal for Permission to laying of underground Electrical cable across Nagpur - Umred - Bhiwapur - Nagbhid - Bramhapuri - Armori road section of NH -353-D @ Km, 97/560 at - Nagbhid in Taluka - Nagbhid, District: Chandrapur in the State of Maharashtra. **Applicant:** - M/s. S.K. Electrical Engineer, Bramhapuri. -

Please refer to Superintending Engineer (NH) Circle, PWD Nagpur, vide letter No. SENH/HDM/2022/EC-1/ Nagbhid/ Nagpur/ 2022/ 583.dated.24.03.2022.- Proposal for Permission to laying of underground Electrical cable across Nagpur - Umred - Bhiwapur - Nagbhid - Bramhapuri - Armori road section of NH -353-D @ Km, 97/560 at - Nagbhid in Taluka - Nagbhid, District: Chandrapur in the State of Maharashtra sought NOC.

2. As per guideline issued by Ministry vide letter no. RW/NH-33044/29/2015/S&R(R), dated 22.11.2016 according to which for cases, Highway Administrator will make in Ministry website the complete application for public comments and comments will be invited within 30 days from the day of uploading.

3. In view of above, the comments of the public on the above proposal may be invited to this office. The detailed proposal submitted by applicant is online available at www.morthnoc.nic.in.

Yours faithfully

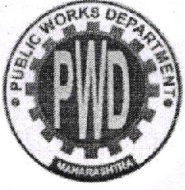

Encl: As above


(Prakash Ambhore)
Sr.Tech Assistant

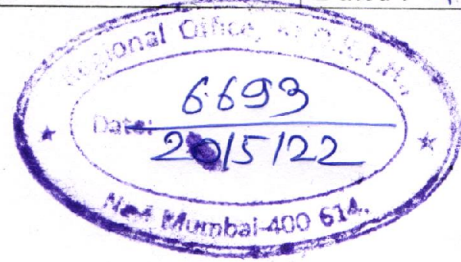
For CE-RO MoRTH, Mumbai.
25.05.2022.

Copy to:

- 1) Senior Technical Director, NIC Transport Bhawan MoRTH, New Delhi -For uploading on Ministry's website.
- 2) The SE (NH), Circle. Nagpur -for information.

		Office of the, Superintending Engineer National Highway Circle, Nagpur. Bungalow No. 39/1, Civil Lines, Nagpur- 440001 Tel. No. 0712/2561643. Email: - nhnagpur.se.@mahapwd.com
Government of Maharashtra Public Works Department		
Desk No.: - SENH/HDM/2022/EC-1/Nagbhid/Nagpur/2022/583		Dated :- 24/03/22

To, ✓
Chief Engineer & Regional Officer,
MORTH,
5th Floor, room no. 508/509, Konkan Bhavan,
CBD Belapur, Navi Mumbai-400614.



04
29.5
AEE (AG)
STP

Subject :- **Electrical Cable Proposal -**

Proposal for Permission for laying Underground Electrical Cable across Nagpur-Umred-Bhiwapur-Nagbhid-Bramhapuri-Armori road, section of NH-353-D @ Km. 97/560 at-Nagbhid in Taluka-Nagbhid, District-Chandrapur in the State of Maharashtra.

**Applicant- M/s. S. K. Electrical Engineer, Bramhapuri.
(Mr. P. V. Tarvekar).**

- Reference :-
- 1) M/s. S. K. Electrical Engineer, Bramhapuri (Mr. P. V. Tarvekar) letter No. SKEE/2020-21/dtd. 3/1/2022.
 - 2) Executive Engineer, National Highway Division, Nagpur Office letter No. DM/EC/Nagbhid/NH-353-D/Nagpur/2022/1104/ dtd. 10/12/2021.

With reference to the above subject, Executive Engineer, National Highway Division, Nagpur has submitted the Proposal for Permission for laying Underground Electrical Cable across Nagpur-Umred-Bhiwapur-Nagbhid-Bramhapuri-Armori road, section of NH-353-D @ Km. 97/560 at-Nagbhid in Taluka-Nagbhid, District- Chandrapur in the State of Maharashtra.

The site is inspected & proposal is scrutinized by Sub Divisional Engineer, NH Sub Division No.3, Nagpur. The proposal has been examined by E.E., NH Division, Nagpur as per MoRT&H Guidelines, dated 22.11.2016. The charges applied for above proposal calculated by E.E., NH Division, Nagpur & same have been deposited by the applicant in Bharat Kosh.

Proposal with Reference letter, Abstract, Calculation sheet, Bank Guarantee, Copy of Bharat Kosh Receipts, Check list, Inspection Report & requisite Certificate/Documents are submitted herewith for approval of proposal please.

DA :- Proposal in 2 copies.

Copy to :- 1) Executive Engineer, National Highway Division, Nagpur & necessary action.
2) M/s. S. K. Electrical Engineer, Bramhapuri (Mr. P. V. Tarvekar) & necessary action.
(Mr. P. V. Tarvekar) for information

D/AHDM-2022/WSP-19/Nagbhid/NH-353-D/

WSP-19/Nagbhid



**Government of Maharashtra
Office of the Executive Engineer**

National Highway Division, Public Works Department, Bunglow No.39/1, Civil Lines, Nagpur-440 001
☎: 0712-2524829, Email – nhnagpur.ee@mahapwd.gov.in & eenhnagpur@gmail.com

Lr.No.Dman/ EC-C/NH-353D/2022/ 1104

Date :- 08 / 03/2022

To,

The Superintending Engineer,
National Highway Circle,
Nagpur.

Subject :- Proposal for permission of laying underground electrical cable across Nagpur-Umred-Bhiwapur-Nagbhid-Bramhapuri NH-353D at Km.97/560 in Tahsil ~~Bramhapuri~~ Nagbhid District Chandrapur in the State of Maharashtra.

Reference :- 1) M/s S.K. Electrical Engineer Bramhapuri Applicant Shri Pramod Vithobaji Talvekar Ir. NoSKEE/20-21 Date 03.01.2022
2) The Sub Divisionl Officer, National Highway Sub Division No.3, Nagpur Ir. No.18/Tech/2022 Date 17.01.2022
3) This Office Ir. No. Dman/EC-C/NH353D/2022/403 Dt.24.01.2022
4) M/s S.K. Electrical Engineer Bramhapuri Ir. No.SKEE/2021-22/Date 22.02.2022

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With reference to above cited letter No.(1), M/s S.K. Electrical Engineers submitted the proposal for permission of laying underground electrical cable across Nagpur-Umred-Bhiwapur-Nagbhid- Bramhapuri NH-353D at Km.97/560 in Tahsil Bramhapuri District Chandrapur in the State of Maharashtra submitted to this office.

The site is inspected and proposal is scrutinized by the Sub Divisional Officer, National Highway Sub Divisional No.3, Nagpur and submitted to this office vide ref. Ir. No.(2)

The applicant deposited applicable charges as per demand note vide ref. Ir. No.(4), Receipt of deposited amount enclosed with the proposal.

- | | | |
|---|-----------------|--|
| a) Restoration charges (Refundable) | = Rs.1,00,000/- | (Rupees One Lakh Only) |
| In form of Bank Guarantee | | BG No.0033822BG0000001 Dt.10.02.2022 |
| Refundable after completion of work. | | State Bank of India Branch Bramhapuri |
| b) License fee (Non Refundable) | = Rs.5628/- | (Rupees Five Thousand Six Hundred Twenty Eight Only) |
| In Bharat Kosh & receipt to this office | | Transaction Ref. No. 0102220018693 Dt.01.02.2022 |
| c) G.S.T.18 % | = Rs.1014/- | (Rupees One Thousand Fourteen Only) |
| In Reverse Charge Account | | CPIN :- 22022700024777 Dt.02.02.2022 |

The proposal for permission of laying underground electrical cable across Nagpur-Umred-Bhiwapur-Nagbhid- Bramhapuri NH-353D at Km.97/560 in Tahsil Bramhapuri District Chandrapur in the State of Maharashtra submitted with calculation sheet, receipt of deposited amount, check list inspection report necessary undertaking route map for information & further process please.

D.A.:- Proposal 3 Copies

(N.V.Borkar)

Executive Engineer

National Highway Division
Nagpur

1. Copy to the Sub Division Officer, National Highway Sub Division No.3, Nagpur for information.
2. Copy M/s S.K. Electrical Engineer, Bramhapuri for information.

Shri. Pramod Vithoba Tarvekar, Nagbhid
Proposal for

Laying of UG cable at Nagbhid

Tah. Nagbhid Dist. Chandrapur

**Laying of UG electrical cable Along the Road & Road
crossing of Electrical UG cable on National Highway No.
353 D Umred – Bhiwapur - Nagbhid National Highway.**

CHECK-LIST

Guidelines for Project Directors for processing the proposal of laying underground Electrical Line in the land along/ Across National Highways vested with Executive Engineer, National Highway Division No. 14, Nagpur

• **Relevant circulars**

- 1) Ministry Circular No.NH-41(58)/68 dated 31.01.1969
- 2) Ministry Circular No.NH-III/P/66/76 dated 19.11.1976
- 3) Ministry Circular No.RW/NH-III/P/66/76 dated 11.5.1982
- 4) Ministry Circular No.RW/NH-11037/1/86/DOI(II) dated 28.7.1993
- 5) Ministry Circular No.RW/NH-11037/1/86/DOI dated 19.1.1995
- 6) Ministry Circular No.RW/NH-34066/95/S&R/ dated 25.10.1999
- 7) Ministry Circular No.RW/NH-34066/7/2003/S&R(B)dated 17.9.2003

Check list for getting approval for laying of underground Electrical Line on NH land.

S. No.	Item	Information/Status	Remarks
1.	General Information		
1.1	Name and Address of the Applicant	Shri. Pramod V. Tarvekar Nagbhid	Shri. Pramod V. Tarvekar Nagbhid
1.2	National Highway Number	NH - 353D	NH - 353D
1.3	State	MAHARASHTRA	MAHARASHTRA
1.4	Location	Across the Road @ Km 97+560	Across the Road @ Km 97+560
1.5	(Chainage in km)	Km 97+560	Km 97+560
1.6	Length in Meter	28.00 meter	28.00 meter
1.7	width of available ROW	28 Meter	Yes
	(a) Left side from center line towards increasing chainage/km direction.	14 Meter	Yes
	(b) Right side from centre line towards increasing chainage/km direction	14 Meter	Yes
1.8	Proposal to lay underground Electrical Cable.		Yes
	(a) Left side from center line towards increasing chainage/km direction.	14 Meter	Yes
	(b) Right side from center line towards increasing chainage/km direction.	14 Meter	Yes
1.9	Proposal to acquire land		
	(a) Left side from center line	NA	NA
	(b) Right side from center line	NA	NA
1.10	Whether proposal is in the same side where land is not to be acquired	NA	NA
	If not then where to lay the Electrical Cable	NA	NA
1.11	Details of already laid services, if any, along the proposed route.	-	-
1.12	Number of lanes (2/4/6/8 lanes) existing	2 lanes	2 lanes
1.13	Proposed Number of lanes (2 lane with paved shoulders/4/6/8 lanes)	4 lanes	4 lanes

Sub Divisional Officer
NH Sub Division - 3
Nagpur

Shri. Pramod V. Tarvekar
Nagbhid

1.14	Service road existing or not	No	No
	If yes then which side		
	(a) Left side from center line	--	--
	(b) Right side from center line	--	--
1.15	Proposed Service road	NA	NA
	(a) Left side from center line	NA	NA
	(b) Right side from center line	NA	NA
1.16	Whether proposal to lay Electrical Line is after the service road or between the service road end main carriageway	NA	NA
1.17	The permission for laying underground Electrical Cable Line shall be considered for approval/ rejection based on the Ministry Circulars mentioned as above.	Yes, May Be Considered for Approval.	Yes
	a) Carrying of sewage/ gas pipelines on highway bridges shall not be permitted as fumes/ gases can accelerate corrosion or may cause explosions, thus much more injurious than leakage of water.	N.A.	N.A.
	b) Carrying sewer pipe lines on bridges shall also be discouraged. However, if the sewer supply authorities seems to have no other viable alternative and approach the highway authority well in time before the design of the bridge is finalized, they may permit to carry the pipe line on independent superstructure, supported on extended portions of piers and abutments in such a manner that in the final arrangement enough free space around the superstructure of the bridge remain available for inspection and repairs etc.	N.A.	N.A.
	c) Cost of required extension of the superstructure as well as that of supporting superstructure shall be borne by the agency in charge of the utility.	N.A.	N.A.
	d) 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. Approvals are to		

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Nagpur

Shri. Pramod V. Tarvekar
Nagbhid

	be accorded in this regard with the concurrence of the Ministry's Project Chief Engineer only.		
1.18	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	Yes, it shall be encased in 180mm MS pipes.	Yes
	(a) Existing drainage structure shall not be allowed to carry the lines.	NA	NA
	(b) Is it on a line normal to NH	NA	NA
	(c) Crossing shall not be too near the existing structures on the National Highway, the minimum distance being 15 meter. What is the distance from the existing structures.	More than 15.00 Meters.	Yes
	(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.	The 180mm dia. M.S. Casing Pipe caring by push through (HDD) method.	Yes
	(e) Ends of the casing/conduct pipe shall be sealed from the outside, so that it does not acts a drainage path.	AGREED	Yes
	(f) The casing/conduit pipe should, as minimum extend from drain in cuts and toe of slope toe of slope in the fills.	AGREED	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 m below the drain inverts.	AGREED	Yes
	(h) Crossing shall be by boring method (HDD) especially where the existing road pavement is of cement concrete or dense bituminous concrete type.	The casing pipe line will be laid by HDD or Push Through Technique so that no damage will be made to the Road.	Yes
	(i) The casing/conduit pipe shall be installed with an even bearing throughout its length and in such a manner as to prevent the formation of a waterway along it.	AGREED	Yes
2	Document/Drawings enclosed with the proposal	ENCLOSED	Yes
2.1	Cross section showing the size of trench for open trenching method (Is it normal size of 1.2m deep X 0.3m wide) (i) Should not be greater than 60 Cm wider than the outer diameter of the pipe.	Yes, drawing attached Ok	Yes Ok

Sub Divisional Officer
NH Sub Division - 3
Nagpur

Shri. Pramod V. Tarvekar
Nagbhid

	(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. (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. (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.	Ok Ok Ok	Ok Ok Ok
2.2	Cross section showing the size of pit and location of cable for HDD method.	Yes	Yes
2.3	Strip plan/Route Plan showing underground electrical cable, Chainage, width of ROW, distance of proposed, cable from the edge of ROW, important mile stone, intersections, cross drainage works etc.	ENCLOSED	Yes
2.4	Methodology for laying of underground Electrical Line.	By Push through method across the .	Yes
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, Methodology of refilling of trench.	NA	NA
	(a) The trench width should be at least 30 cm, but not more than 60 cm wider than the outer diameter of the pipe.	NA	NA
	(b) For filling of the trench, Bedding shall be to a depth of 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 edged should be excavated and replaced by selected material.	NA	NA
	(c) The backfill shall be completed in two stages (i) side – fill to the level of the top of the pipe and (ii) overfill to the bottom of the road crust.	NA	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 Proctor's Density. Overfill shall be compacted to the same density as the material that had been removed. Consolidation by saturation or pounding will not be	NA	NA

Sub Divisional Officer
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Shri. Pramod V. Tarvekar
Nagbhid

	permitted. (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.		
	(f) The excavation shall be protected by flagman, signs and barricades, and red lights during night hours.	NA	NA
	(g) If required, a diversion shall be constructed at the expense of agency owning the utility line.	Agreed	Yes
2.4.2	Horizontal Directional Drilling (HDD) Method	Yes, work will be carried out accordingly.	Yes
2.4.3	Laying underground electrical cable Line through CD works and method of laying	NA	NA
3.	Draft License Agreement signed by two witnesses	Yes attached.	Yes
4.	Performance Bank Guarantee in favour of Executive Engineer, National Highway Division, Nagpur has to be obtained @ Rs.100/- 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 cables/ducts by proper filling and compaction, clearing debris/loose earth produced due to execution of trenching at least 50 m away from the edge of the right of way. No payment shall be payable for clearing debris/loose earth.	Shall be furnished after receipt of required demand.	ok
4.1	Performance BG as per above is to be obtained.	Shall be furnished after receipt of demand.	ok
4.2	Confirmation of BG has been obtained as per NHAI guidelines.	Shall be furnished after receipt of demand.	ok
5.	Affidavit /Undertaking from the Applicant for	Attached	Yes
5.1	Not to Damage to other utility, if damaged then to pay the losses either to NHA or to the concerned agency.	Attached	Yes
5.2	Renewal of Bank Guarantee	NA	NA
5.3	Confirming all standard condition of NHAI's guideline.	Attached as per Annexure 2	Yes
5.4	Shifting of underground electrical cable as and when required by NHA at their own cost.	Attached as per Annexure 2	Yes
5.5	Shifting due to 6 lanning / widening of NH	Attached as per Annexure 2	Yes
5.6	Indemnity against all damages and claims clause (xxiv)	Attached as per Annexure 2	Yes
5.7	Traffic movement during laying of	AGREED	Yes

Sub Divisional Officer
NH Sub Division - 3
Nagpur

Shri. Pramod V. Tarvekar
Nagbhid

	underground electrical cable to be managed by the applicant.		
5.8	If any claim is raised by the Concessionaire then the same has to be paid by the applicant.	AGREED	Yes
5.9	Prior approval of the NH Authority shall be obtained before undertaking any work of installation, shifting or repairs, or alterations to the underground electrical cable located in the National highway right-of-ways.	AGREED	Yes
5.10	Expenditure, if any, incurred by NH Authority for repairing any damage caused to the National Highway by the laying maintenance or shifting of the underground electrical cable will be borne by the agency owning the line.	Attached as per Annexure 2	Yes
5.11	If the NH Authority 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 line intimation given.	Attached as per Annexure 2	Yes
5.12	Certificate from the applicant in the following format (i) Laying of underground electrical cable will not have any deleterious effects on any of the bridge components and roadway safety for traffic. (ii) for 6 lanning "We do undertaking 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 six-lanning or any other development."	Attached as per Annexure 3	Yes
6.	Who will sign the agreement on behalf of underground electrical UG cable crossing agency.	Shri. Pramod V. Tarvekar	Shri. Pramod V. Tarvekar
7.	Certificate from the Agency.	Yes Attached	Yes
7.1	Certificate for confirming of all standard condition issued vide Ministry Circular No. MH-41 (58)/68 Dt. 31.1.1969, Ministry Circular No. NH-III/P/66/76 dated 19.11.1976, Ministry Circular No. RW/ NH-III/P/66/76 dated 11.5.1982 Ministry Circular No. RW/NH-11037/ 1/ 86/DOI dated 19.1.1995, Ministry Circular No. RW/ NH-34066/95/S&R dated 25.10.1999, & Ministry Circular No.	Yes Attached	Yes


Sub Divisional Officer
NH Sub Division - 3
Nagpur


Shri. Pramod V. Tarvekar
Nagbhid

Inspection Report

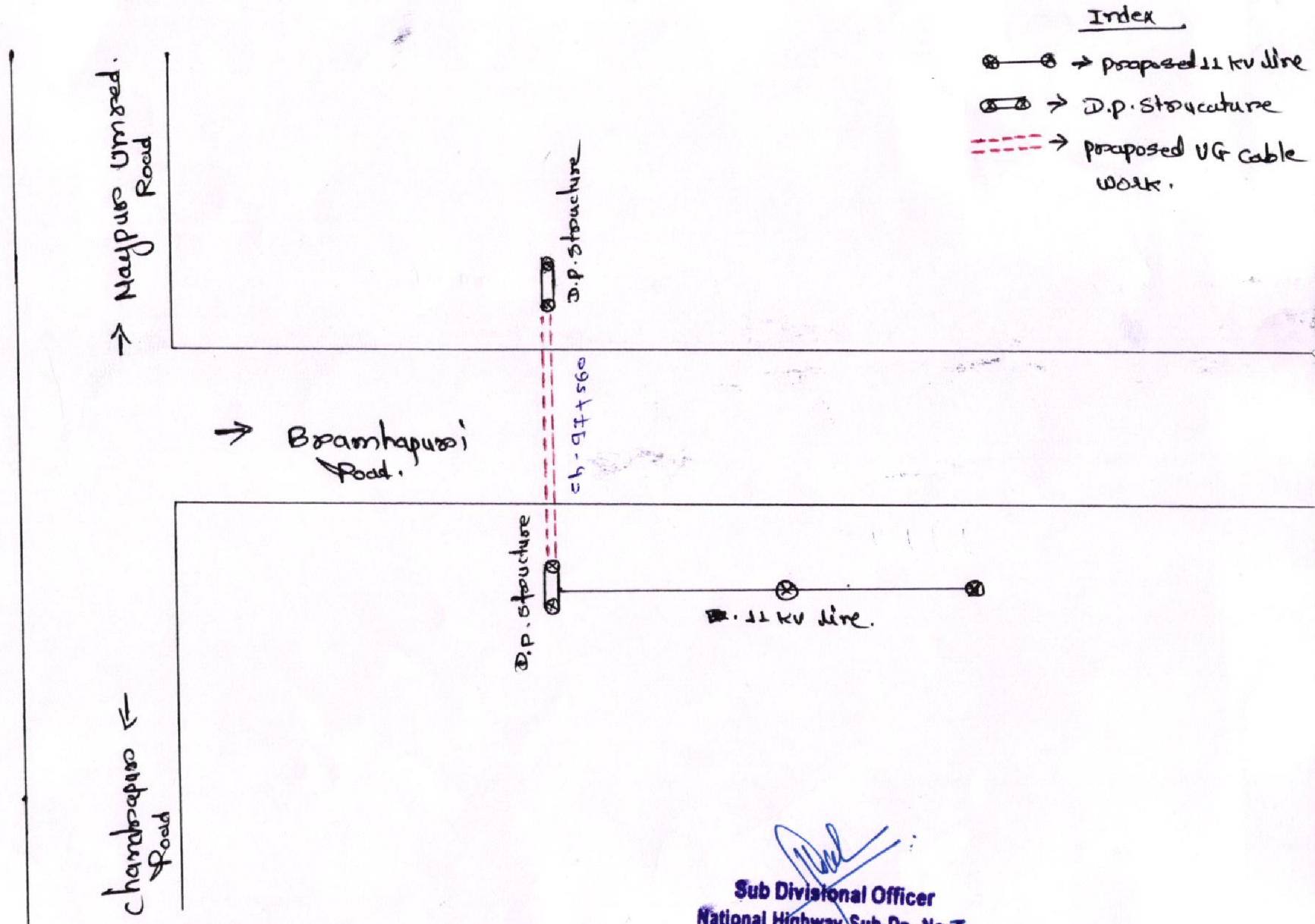
The site inspection is carried out with reference to the proposal for Permission of Proposal for permission of laying underground cable in km 97+560 on Nagpur-Umred-Nagbhid-Bramhapuri-Armoof road NH 353D near Nagbhid city Tah. Nagbhid Dist. Chandrapur in the state of Maharashtra. The points of observation are as below.

1. The proposed site located at Ch. 97+560 (Nagbhid City) (Near Tarvekar petrol pump) (Total length 28.00 m)
2. The site falls in plain & rolling terrain of urban area.
3. The proposed site having ROW 28.00 m available (i.e. 14.00 m from the centre line on either side)
4. The existing carriageway width is 10.00 m with earthen shoulders on either side.
5. The work of 4-lane with divided carriageway is proposed and DPR is in progress for this stretch.
6. At km 97+560 electrical line shall be laid by HDD method.


Executive Engineer
National Highway Division,
Nagpur


Sub Divisional officer
National Highway Sdn No3
Nagpur

Single line Diagram For UG cable work (Road crossing) of 11 KV line on Bramhapuri - Nagbhid Road.



[Signature]

[Signature]
Sub Divisional Officer
National Highway Sub-Dn. No.3,
Nagpur.