

भारतीय राष्ट्रीय राजमार्ग प्राधिकरण

(सड़क परिवहन और राजमार्ग मंत्रालय)

National Highways Authority of India

(Ministry of Road Transport & Highways)

क्षेत्रीय कार्यालय - हैदराबाद

प्रथम तल, नया भवन, भारतीय प्रशासनिक स्टाफ कॉलेज, कॉलेज पार्क कॉपस, रोड नंबर-3, बंजारा हिल्स, हैदराबाद-500 034 तेलंगाना Regional Office - Hyderabad.

First Floor, New Building, Administrative Staff College of India (ASCI), College Park Campus, Road No. 3, Banjara Hills, Hyderabad - 500 034, Telangana.

Notice Inviting Public Comments

NHAI/RO-HYD/25011/3/24/2021/Utility/ 2/40

Dt.25.11.2021

: 040 - 29562147 / 48

nhairohyd@gmail.com

ई-मेल / E-mail:rohyderabad@nhai.org

देली / Tele

Sub: NHAI - RO Hyderabad - PIU Nirmal-Proposal for laying of Optical Fiber Cable for a total length of 26.528 Km from Km.667+640 to Km.668+315 (RHS), from Km.640+965 to Km.641+005 (LHS), from Km.642+300 to Km.658+400 (LHS), from Km.658+500 to Km.667+640 (LHS), along NH-61 by Open trench Methodology and Highway crossings by HDD methodology at Km.642+300, Km.647+810, Km.647+820, Km.648+039, Km.648+041, Km.652+100, Km.654+500, Km.655+967, Km.658+400, Km.658+500, Km.661+665, Km.663+300, and Km.667+640 on Kalyan to Nirmal section of NH-61 in the State of Telangana- Reg..

Ref: 1. PIU Nirmal Lr.no. NHAI/PIU-NRML/Utility/T-Fibre-OFC/2021/1376, dated 01.11.2021

The Project Director, PIU, NHAI, Nirmal vide letter cited above has recommended the Proposal submitted by M/s.Telangana Fiber Grid Corporation Limited for laying of Optical Fiber Cable in between Km.640+965 to Km. 667+640 for a total length of 26.528 Km on Kalyan to Nirmal section of NH-61 in the State of Telangana.

2. As per para 4 of the Ministry's guidelines no. RW/NH-33044/29/2015/S&R(R) dated 22.11.2016, public comments is hereby invited on the above proposal seeking claims and objections (on grounds of public inconvenience, safety and general public interest) within 30 days on public portal i.e. website of Ministry of Road Transport and Highways (www.morth.nic.in) in Form-A (copy enclosed) for "Accommodation of Public and Industrial Utility Services along and across National Highways".

Comment Inviting Authority

The Regional Officer,

National Highways Authority of India,

Regional Office: Hyderabad,

First Floor, New Building,

Administrative Staff College of India(ASCI),

College Park Campus, Road No.3,

Banjara Hills, Hyderabad - 500 034,

Telangana State,

Phone: 040-29562147, 040-29562148,

Email: rohyderabad@nhai.org, nhairohyd@gmail.com

Encls: Above Proposal

Yours faithfully,

(G.V. Bheemasena Reddy)

Deputy General Manager (Tech)

For Regional Officer-cum-

Highway Administrator, Hyderabad

To:

3. Senior Technical Director, NIC, Transport Bhawan, New Delhi- 110001 for uploading on Ministry's website.

4. Shri S.Manivasagam, Dy. GM (IT), NHAI HQs, New Delhi for uploading on NHAI website.

Copy to:-1. The Project Director, NHAI, PIU Nirmal: for information

2. M/s Telangana Fiber Grid Corporation Limited: for information

कारपोरेट कार्यालय : जी-5 एवं 6, सेक्टर-10, द्वारका, नई दिल्ली - 110 075. वेबसाइट : http://www.nhai.org Corporate Office : G-5 & 6, Sector -10, Dwaraka, New Delhi - 110 075 Website : http://www.nhai.org

FORM-A

Form for seeking claims and objections (on grounds of public inconvenience, safety and general public interest) on the application for Accommodation of Public and Industrial Utility Services along and across National Highways

Sub: NHAI - RO Hyderabad - PIU Nirmal-Proposal for laying of Optical Fiber Cable for a total length of 26.528 Km from Km.667+640 to Km.668+315 (RHS), from Km.640+965 to Km.641+005 (LHS), from Km.642+300 to Km.658+400 (LHS), from Km.658+500 to Km.667+640 (LHS), along NH-61 by Open trench Methodology and Highway crossings by HDD methodology at Km.642+300, Km.647+810, Km.647+820, Km.648+039, Km.648+041, Km.652+100, Km.654+500, Km.655+967, Km.658+400, Km.658+500, Km.661+665, Km.663+300, and Km.667+640 on Kalyan to Nirmal section of NH-61 in the State of Telangana-Reg.

The claims and objections (on grounds of public inconvenience, safety and general public interest) by the general public needs to be given within 30 days of uploading the online application for comments

SI. No	Item	Details
1	Name of the person who is desiring to give claims and objections (on grounds of public inconvenience, safety and general public interest)	
2	Address of the person	
3	Details of the application for Accommodation of Public and Industrial Utility Services along and across National Highways against which claims and objections are being given (name of applicant and other details like site address etc.)	
3	a) Application No.	
	b) Name of applicant (who applied to Accommodation of Public and Industrial Utility Services along and across National Highways)	
	c) Details of Application	
4	The claims and objections (on grounds of public inconvenience, safety and general public interest)	

CHECK-LIST

Guidelines for Project Directors for processing the proposal of laying optical fiber cable by private parties in the land along National Highways vested with NHAI.

Relevant circulars

- 1) Ministry Circular No. RW/NH-33044/17/2000-S&R dated 29.09.2000
- NHAI's circular No. NHAI/OEC/2k/Vol II dated 7.11.2000, which includes the comprehensives guideline and draft license agreement for laying of OFC cable by private party in the land along National Highway vested with NHAI.
- Ministry's circular No. RW/NH-333044/27/2000-S&R (R) date 21.03.2016. It is regarding the modification of previous Ministry's circular enhancing the amount of Performance Bank Guarantee @ Rs. 100 per route meter and charges for granting license for use of highway land.

Check list for getting approval for laying of optical fiber cables on NH land

S. No.	Item	Information/Status	Remarks
1	General Information		
1.1	Name and Address of the Applicant	M/s Telangana Fiber Grid Corporation Limited. 7th Floor splendid Tower SP Road Begumpet. Hyderabad. Telangana- 500003	
1.2	National Highway Number	NH-61	
1.3	State	Telangana	
1.4	Location	NHAI-61,From KM.640/965 to 641/005, 642/300 to 647/810, 647/820 to 648/039, 648/041 to 655/967, 655/967 to 658/400, 658/500 to 661/730, 661/730 to 667/640 on LHS & KM.667/640	



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		to 668/315 on RHS across the road lengths of 0.585 KM. Total Section length at different locations for ROW applied KM 26.528 (i.e 26528 Mtrs) NHAl-61,Under the Jurisdiction of NHAI, Nirmal.	
1.5	(Chainage in km)	NHAI-61,From KM.640/965 to 641/005, 642/300 to 647/810, 647/820 to 648/039, 648/041 to 655/967, 655/967 to 658/400, 658/500 to 661/730, 661/730 to 667/640 on LHS & KM.667/640 to 668/315 on RHS across the road lengths of 0.585 KM. Total Section length at different locations for ROW applied KM 26.528 (i.e 26528 Mtrs) NHAI-61,Under the Jurisdiction of NHAI, Nirmal.	
1.6	Length in Meters	26528 Mtrs.	
1.7	Width of available ROW		
	(a) Left side from center line towards increasing chainage/km direction	22.5 Mtrs	
	(b) Right side from center line towards increasing chainage/km direction	22.5 Mtrs	
1.8	Proposal to lay the cable		
	(a) Left side from center line towards increasing chainage/km direction	22.5 Mtrs	
	(b) Right side from center line towards increasing chainage/km direction	22.5 Mtrs	
1.9	Proposal to acquire land	NA	
	(a) Left side form 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		
1,11	Details of already laid services, if any, along the		
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	proposed route		
1.12	Number of lanes (2/4 / 6/8 lanes) existing		
1.13	Proposed Number of lanes (2 lane with paved shoulders/4/6/8 lanes)	4 Lane	
1.14	Service road existing or not	NO	
	If yes then which side		-
	(a) Left side from center line		
	(b) Right side from center line		
1.15	Proposed Service Road	No	
	(a) Left side from center Line		
	(b) Right side from center line		
1.16	Whether proposal to lay cable is after the service road or between the service road and main carriageway	beyond service road or in utility corridor,	
1.17	The permission for laying OFC shall be considered for approval/rejection		
	(i) Where the ROW is more than 45 m then the duct	At the edge of ROW within	
	cable shall be laid at the edge of right of way within the utility corridor of 2m width, duly keeping in view	utility corridor of 2 Mtrs width	
	the future widening.	width	
	(ii) where land is yet to be acquired for 4 laning and		
	the position of new carriageway has been decided		
	then the cable shall be laid at the edge of right of	1	
	way within the utility corridor of 2m width, on that		
	side of existing carriageway where extra land is not		
	proposed to be acquired for 4-laning.		
	(iii) Where the widening plan for 4-laning is not yet		
	decided and available ROW is around 30m or less, a judicious decision would need to be taken for		
	permitting the laying of cable/duct. This could be		
	within 1.5m to 2m of utility corridor at the edge of		
	existing ROW, duly keeping in view the possible		
	widening plans.		





	(iv) Where ROW is restricted and adequate only to	NA	
	accommodate the carriageway, central verge,		
	shoulders and drains (e.g. highways in cutting		
	through hilly/rolling terrain), the cable shall be laid		
	clear of the drain.		
	(v) Where land strip for utility corridor cannot be		
	conveniently earmarked (available ROW restricted		
	to the toe of the embankment) for laying of		
	cable/ducts, the permission may be refused.		
1.18	No. of applicants on the same stretch		
1.19	Whether the case of multiple licenses	No	
1.20	If so furnish a joint implementation programmer to	NA	
	lay their respective ducts within stipulated time		
	frame.		
1.21	If crossings of the road involved		
	If Yes it shall only be through trench-less		
	technology		
2.	Document/Drawings enclosed with the proposal		
2.1	Cross section showing the size of trench for open	Yes Standard Size	
	trenching method (Is it normal size of 1.65m deep x		
	0.5m wide)		
	Should not be greater than 1.2m in width in multiple		
	ducts.		
2.2	Cross section showing the size of pit and location of	Yes Attached	
	cable for HDD method		
2.3	Strip plan/Route Plan showing the OFC, Chainage,	Yes Attached	
	width of ROW, distance of proposed, cable from the		
	edge of ROW, important mile stone, intersections,		
	cross drainage works etc.		
2.4	Methodology for laying of OFC	Yes	
2.4.1	Open trenching method. If yes, Methodology of	Yes	
	refilling of trench		
2.4.2	Horizontal Directional Drilling (HDD) Method	yes	
2.4.3	Laying OFC Through CD Works And Method Of		
	Laying (Whether to be hung outside parapet)	N	



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3.	Draft license Agreement signed by two witnesses	Yes	
4.	Performance Bank Guarantee	Yes Enclosed	
4.2	Confirmation of BG has been obtained as per NHAI guidelines		
5	Affidavit/ Undertaking from the Applicant for	Yes Enclosed	
5.1	Not to Damage to other utility, if damaged then to pay the losses either to NHAI or to the concerned agency.	Yes ; Enclosed	
5.2	Renewal of Bank Guarantee		
5.3	Confirming all standard condition of NHAI's guideline	Yes; Enclosed	
5.4	Shifting of OFC as and when required by NHAI	Yes; Enclosed	
5.5	Shifting due to 4 lanning / widening of NH	Yes; Enclosed	
5.6	Indemnity against all damages and claims clause (xxiv)	Yes; Enclosed	
5.7	Traffic movement during laying of OFC to be managed by the applicant	Yes, Traffic movement will be managed by the applicant	
5.8	If any claim is raised by the Concessionaries then the same has to be paid by the applicant	Yes; Enclosed	
5.9	Certificate for 6-lanning from the applicant in following format "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 six-lanning or any other development."	Yes; Enclosed	
6.	Power of Attorney in favor of authorized signatory	Yes enclosed	
7.	Copy of DOT license		
8.	Certificate from the Project Director		
8.1	Certificate for confirming of all standard condition issued vide Ministry Circular No. RW/NH-33044/17/2000-S&R dated 29.9.2000 and NHAI's	Yes	

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	guidelines issued vide No. NHAI/OEC/2k/Vol II dated 7.11.2000 and Ministry's Circular No. RW/NH-33044/27/2000-S&R dated 21.3.2006.	
8.2	Certificate for 4-lanning from PD in the following format.	Yes
	(a) Where feasibility is available "I do certify that	
	there will be no hindrance to proposed six-laning	
	based on the feasibility report considering proposed	
	structures 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 six-laning".	
9.	The agreement fee of Rs. 1 shall be charged	Yes
10.	If NH section proposed to be taken up by NHAI on	NA
	BOT basis - a clause in para 17 to be inserted in	
	the agreement. "The permitted Highway on which	
	Licensee has been granted the right to lay	
	cable/duct has also ben granted as a right of way to	
	the concessionaire under the concession	
	agreement for up=gradation of [section from	
	Km to km of NMH No on Build,	
	Operate and Transfer Basis] and therefore, the	
	licensee shall honour the same."	
11.	Who will supervise the work of laying OFC	M/s Telangana fiber Grid
		Corporation Limited (State
		Implementation Agency) BBNL
		Project for Government of
		Telangana
		Total Salis
12.	Who will ensure that the defects in road portion	M/s Telangana fiber Grid
	after laying of OFC are corrected and if not	Corporation Limited (State
	corrected then what action will be taken.	Implementation Agency) BBNL
		Project for Government of
		Telangana



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13.	Who will pay the claims for damages done/disruption in working of Concessionaire if asked by the Concessionaire.	M/s Telangana fiber Grid Corporation Limited (State Implementation Agency) BBNL Project for Government of Telangana	
14.	A Certificate from PD that he will enter the proposed permission in the register of records of the permissions in the prescribed proforma (copy enclosed) issued vide Ministry Circular No. RW/NH/33044/17/2000/S&R dated 23.7.2003.	Yes	
15.	If any previous approval is accorded for laying of cable then Photocopy of register of records of permissions accorded as maintained by PD (as per Ministry Circular No. RW/NH/33044/17/2000/S&R dated 23.7.2003) as referred in para 13 above is enclosed or not.	No	*



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Annexure-II

[Enclosure to Ministry Circular No. RW/NH-33044/17/2000-S&R dated 29.9.2000 and dt. 23.07.2003]

Format for Maintaining Records of Right-of-Way permission granted for laying OFC

(to be maintained separately for every NH and State)

Name of State

Telangana

Name of Agency (NHAI)

NHA

NHAI Number

က

: NH-61

Any deviation from MOST standard norms	No																\
Date of last inspection of site																	
Date of validity of agreem ent																	~
Date of signing of agreement																	5
Name of license and contact address	Telangana Fiber Grid Corporation	Zili Class coloredia	Tower SP Road	Hyderabad Tologogo 600003	dangalia-20000									(4		_	
Kind of service	Telang	Fiber															
Section and reach	37																
Left or right side of NH (towards increasing chainage/km direction	CHS	LHS	SHT	077	2	LHS	CHS	LHS	CHS	LHS	CHS	LHS	LHS	LHS	SHT	CHS	RHS
Location (change in Km)	640.965 To 641.005	642.3 To 642.8	642.8 To 644.1	644.1 To 647.81	647.82 To 648.039	648.041 To 649.4	649.4 To 650.7	650.7 To 652.1	652.1 To 655.967	655.967 To 658.4	658.5 To 659.7	659.7 To 661.73	661.73 To 662.5	662.5 To 663.9	663.9 To 667.4	667.4 To 667.64	667.64 To 668.315
	+-															CA GRID CO.	

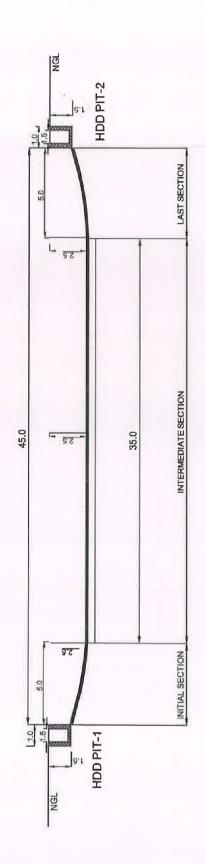
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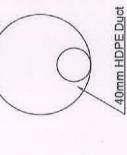
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Typical Cross Sectional For HDD



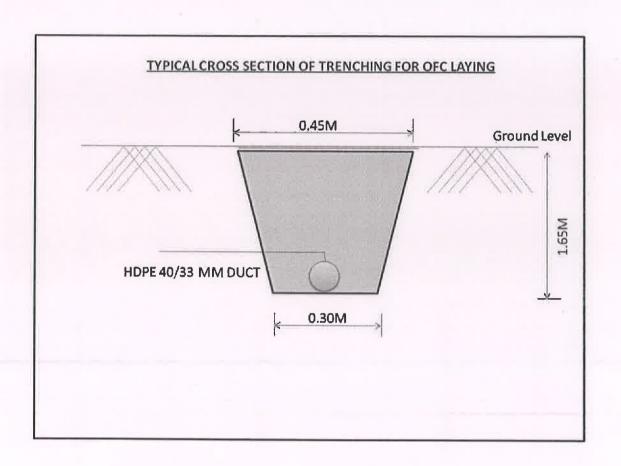






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ANNEXURE NO-7





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Annexure 8

Methodology of Laying of OFC-Open Trenching & Trenchiess (HDD) along NH 61

Trenching Method:

Laying of Optical Fiber Cable along the mentioned route will be done by conventional method/manual and Machine Trenching method. The dimension of the trench will be 165 cms in depth and 45 cms in width. The Cable laying work will be carried out in phased manner in such a way that after the HDRE / Protection due to a control of the Cable, the trench will be reinstated to its original surface.

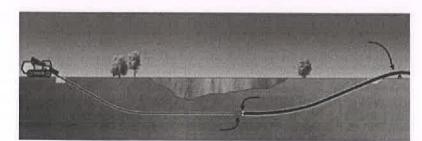
Trench Filling Method:

As a measure of abundant precaution against future settlement and other allied problems, only selected granular material will be used in filling reinstatement of trenches. The entire depth of cutting will be filled either with coarse sand or the excavated material, compacted in layers not exceeding 75 mm when compacted by ordinary power roller /plate compacter. Special Compaction equipment like plate compacter, frog hammer will be utilised besides ordinary power roller.

Trenchless Crossing: HDD Method

Horizontal Directional Drilling (HDD) is a technique for installing product pipes, including utility lines, below ground using a surface-mounted drill rig that launches and places a drill string at a shallow angle to the surface and has tracking and steering capabilities. In recent years HDD has been the preferred methodology due to several government policies conducive to infrastructure growth.

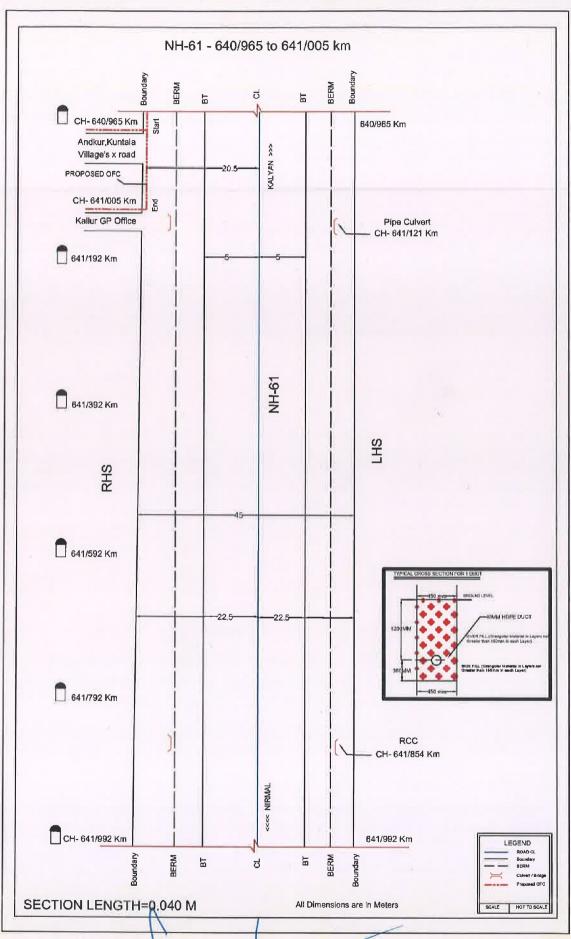
All crossing on the Route will be done by Horizontal Directional Drilling method without disturbing the road surface.



A Typical HDD Methodology is shown below:

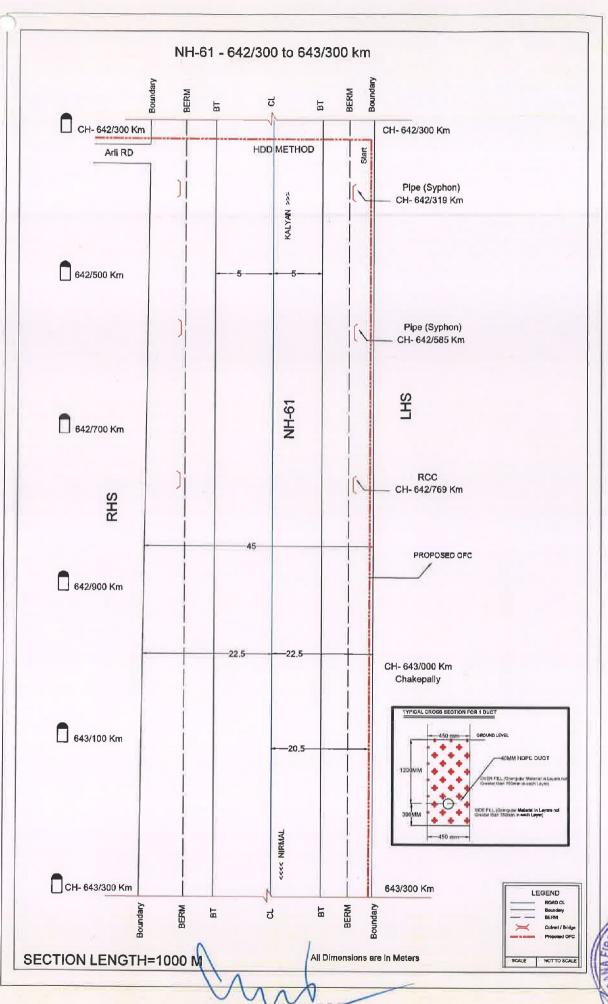


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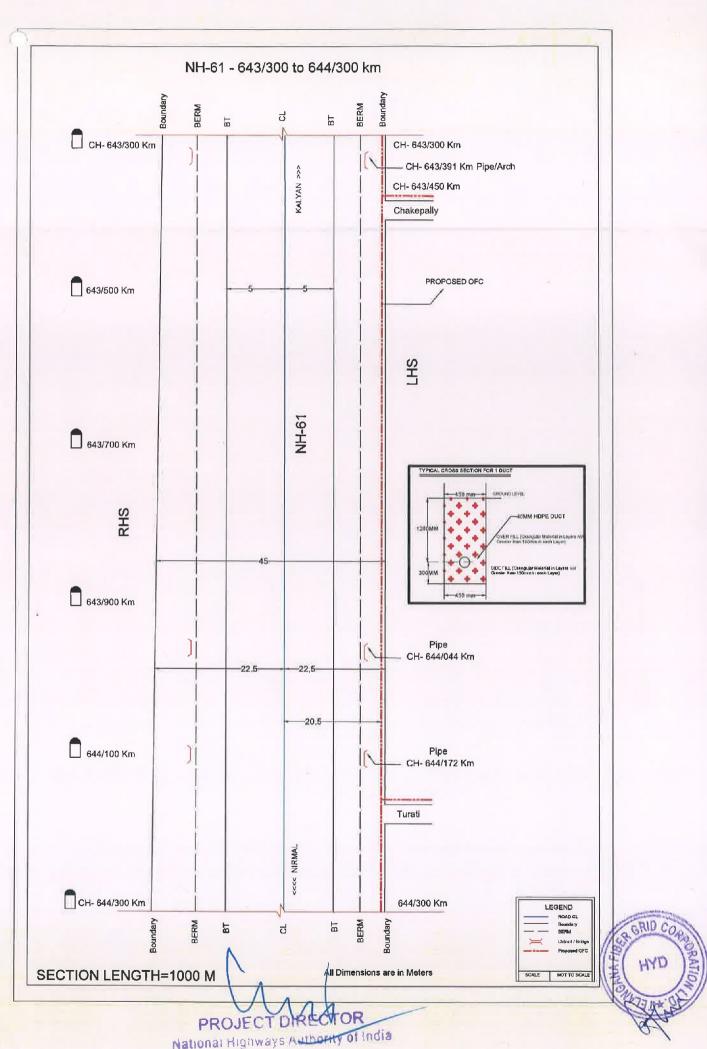


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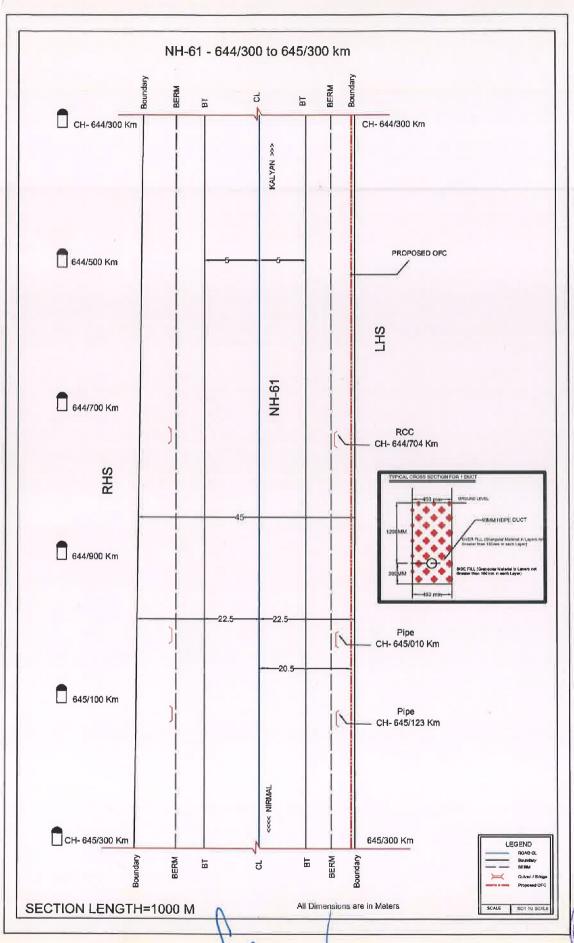
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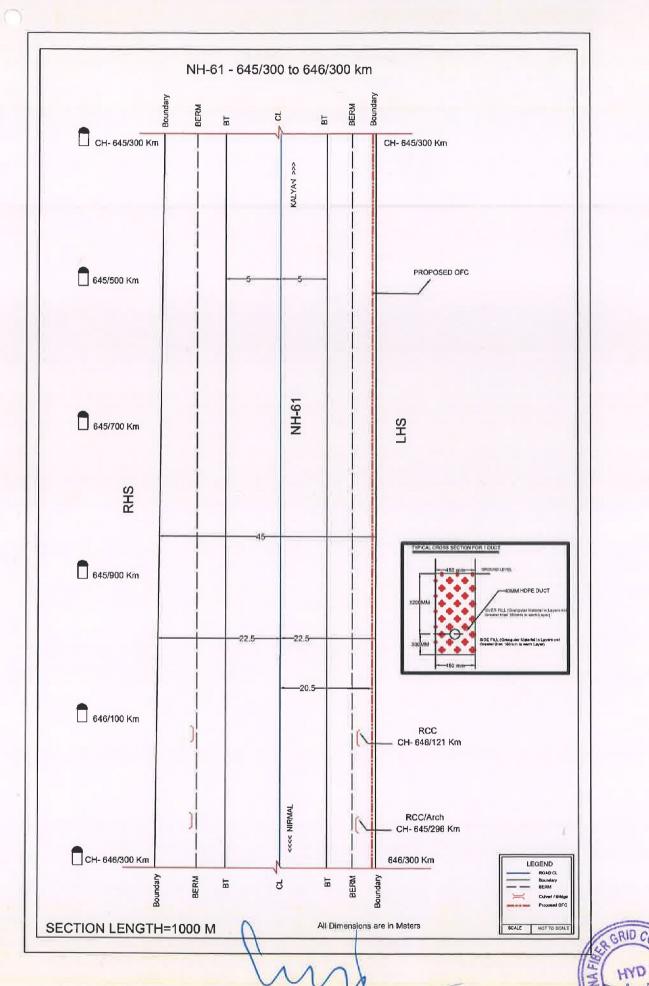




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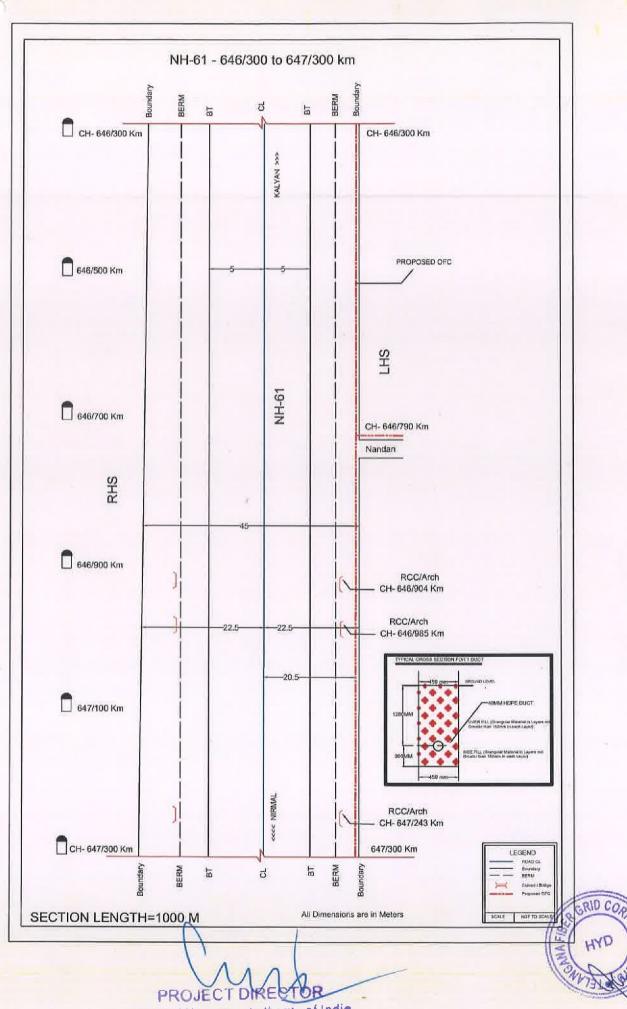
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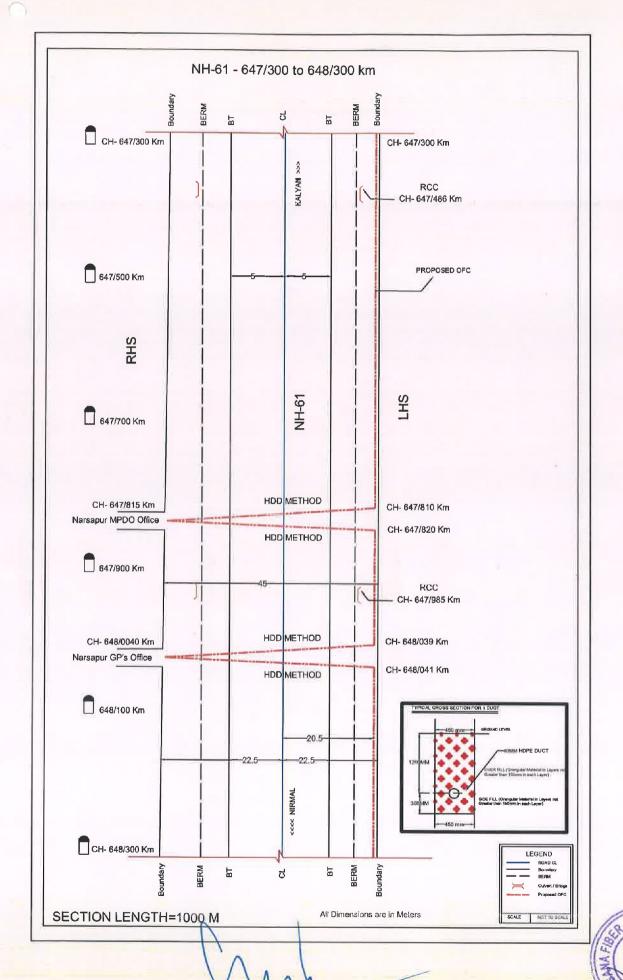


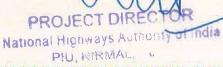
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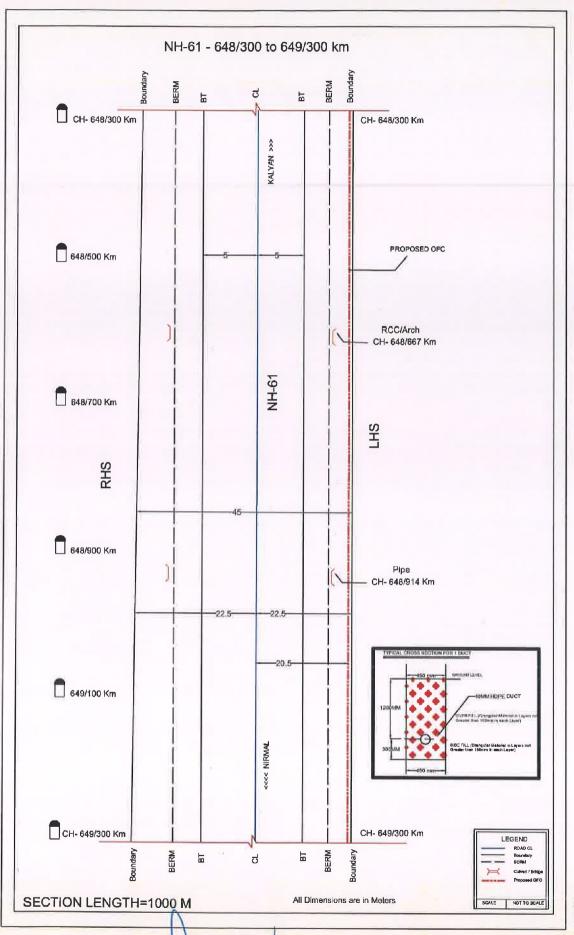
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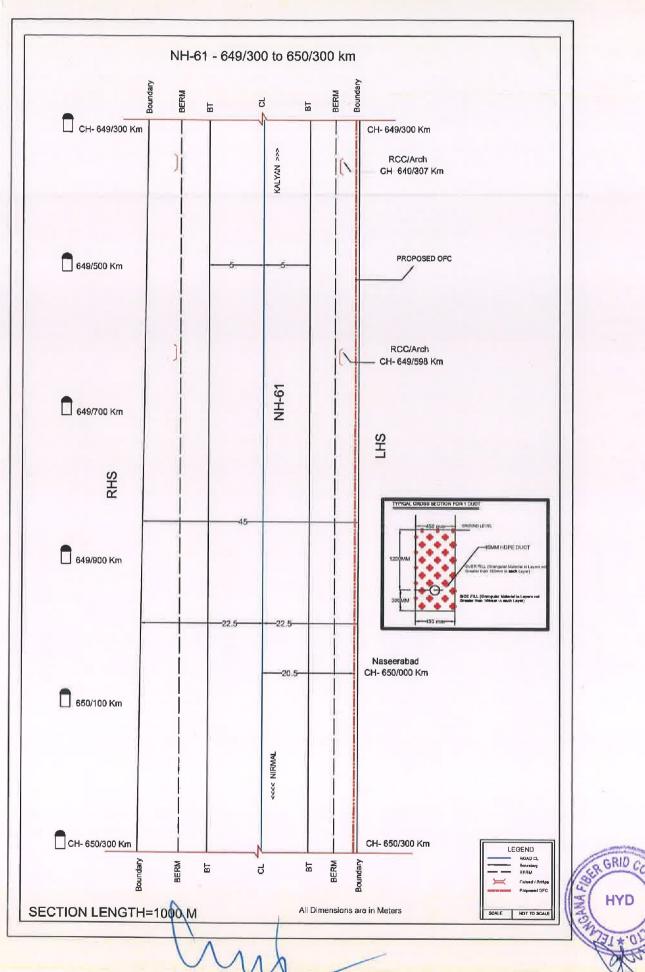




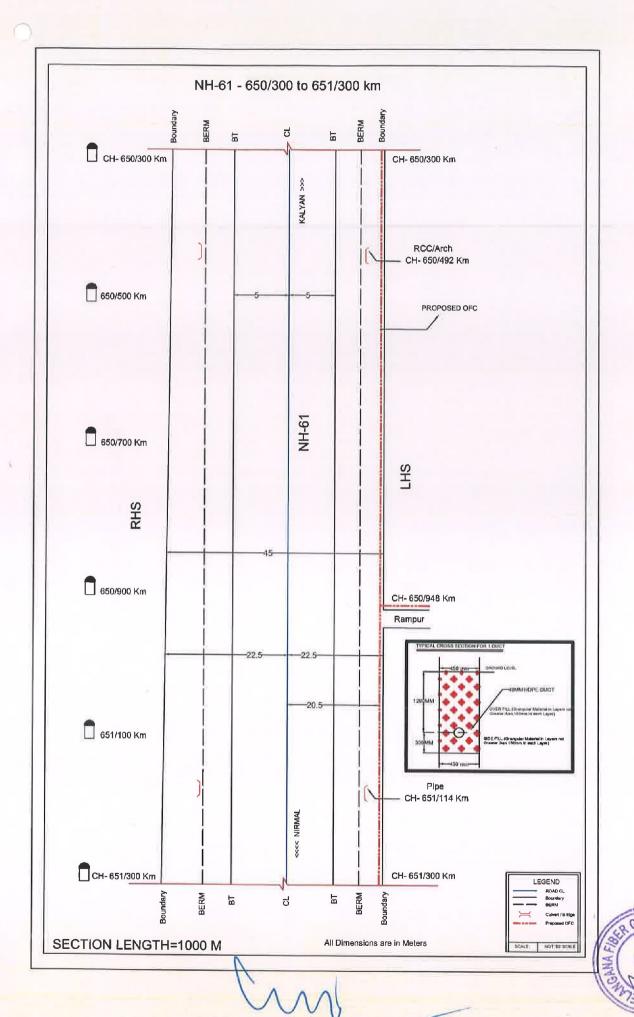




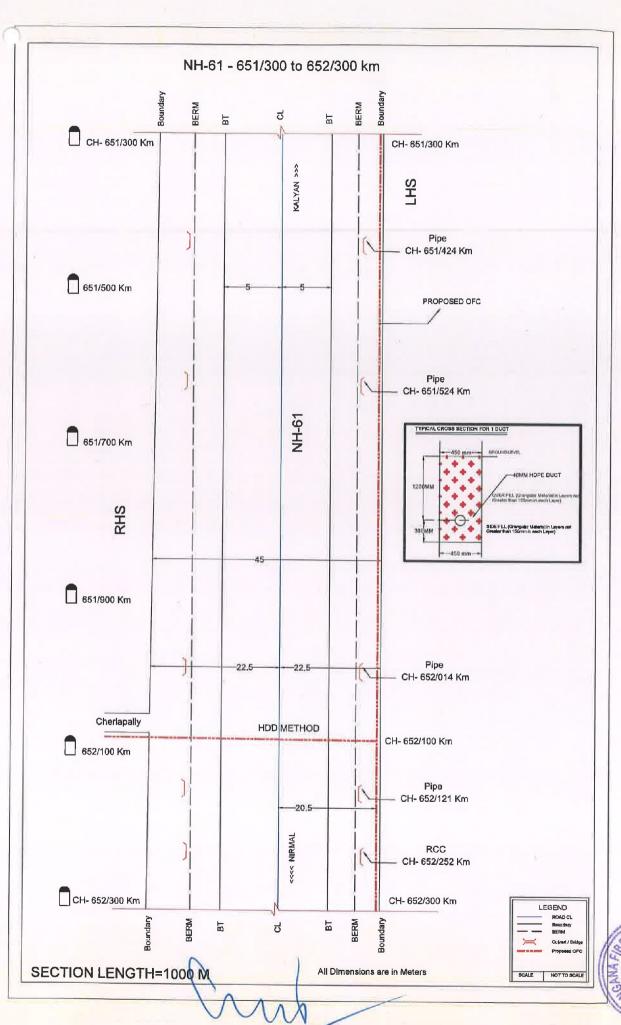
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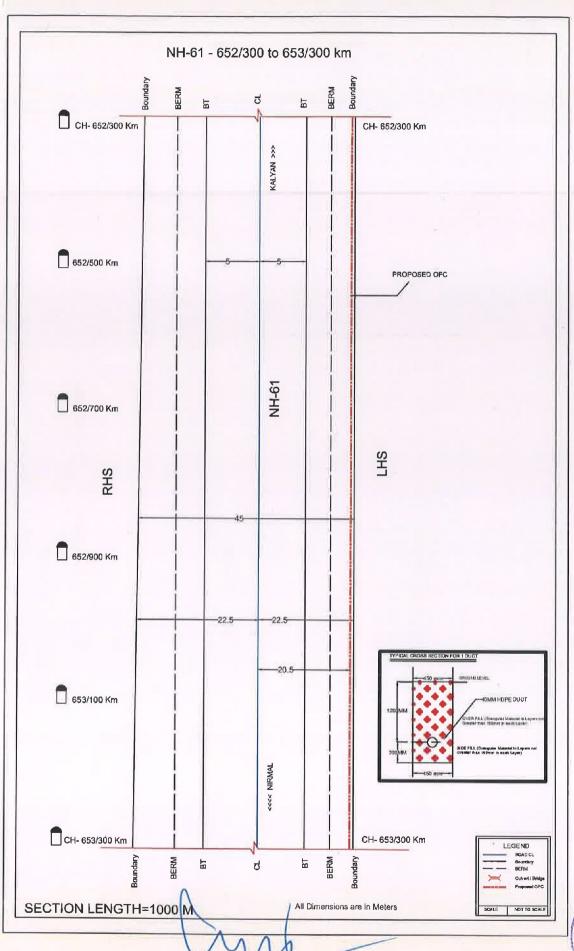


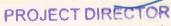


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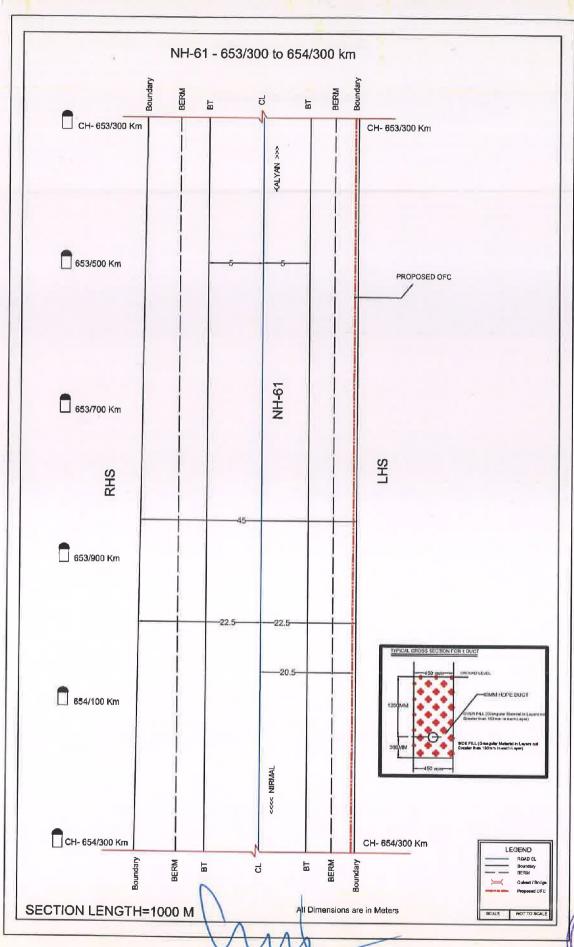
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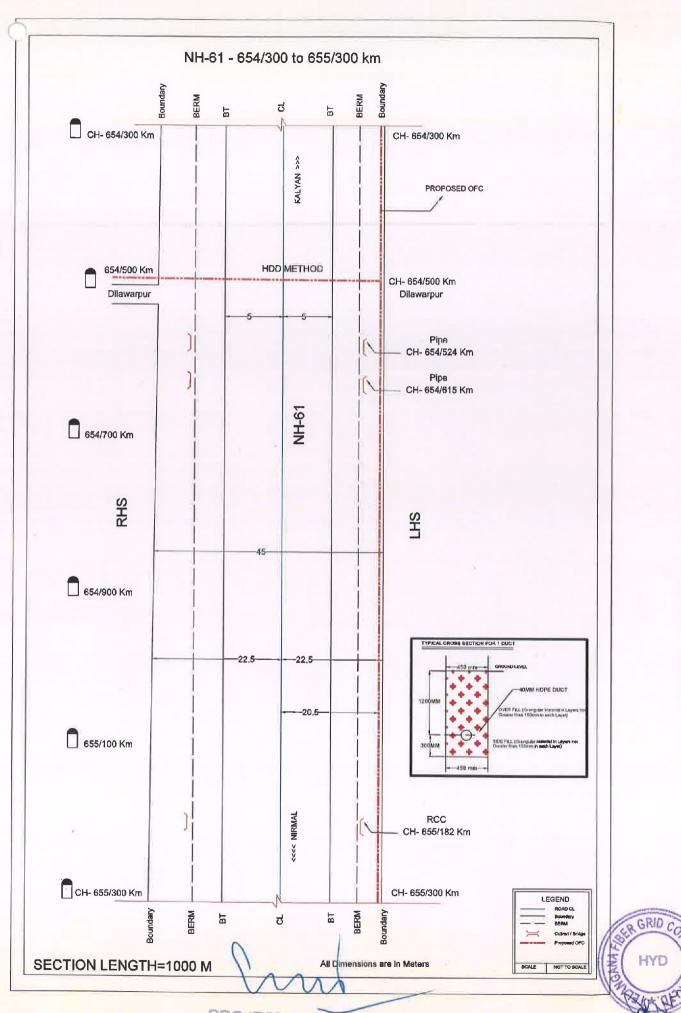




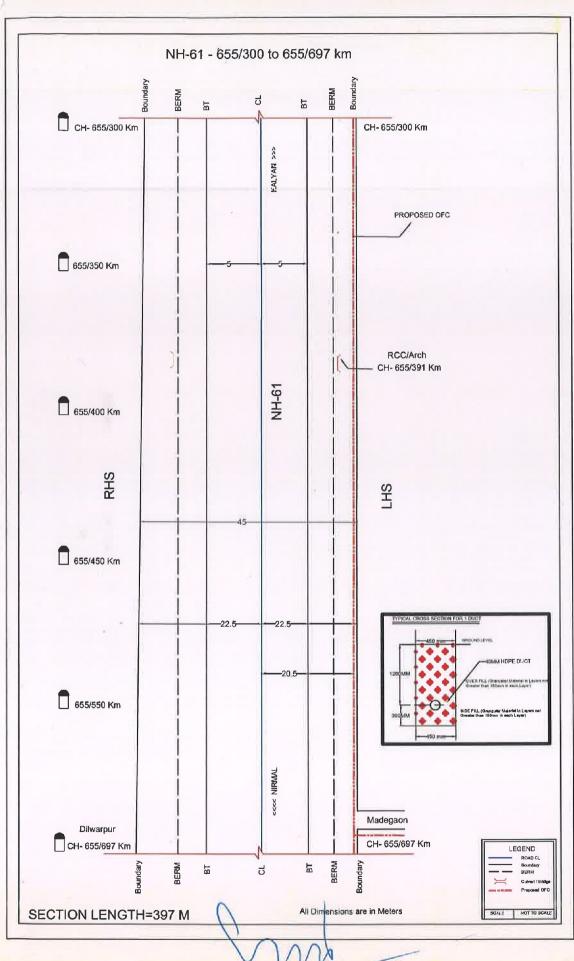
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