



# भारतीय राष्ट्रीय राजमार्ग प्राधिकरण

(सड़क परिवहन और राजमार्ग मंत्रालय, भारत सरकार)

## National Highways Authority of India

(Ministry of Road Transport & Highways, Govt of India)

क्षेत्रीय कार्यालय, ओडिशा / Regional Office, Odisha

301 - ए, तीसरी मंजिल, पाल हाइट्स, प्लॉट नं जे/7, जयदेव विहार, भुवनेश्वर - 751013, ओडिशा

301-A, 3rd Floor, Pal Heights, Plot No : J/7, Jayadev Vihar, Bhubaneswar- 751013, Odisha

दूरभाष / Ph.: 0674 - 2361470/ 570/670 (का/ओ)

ई-मेल/e-mail : roodisha@nhai.org, ronhaiodisha@gmail.com, वेबसाइट/Web : www.nhai.gov.in



NHAI/13011/54/RO/OD/ 2041 /2025

08.09.2025

To

The Sr. Technical Director,  
NIC Centre at MoRTH,  
Transport Bhawan,  
New Delhi 110001

Sub: Duburi Chandikhole section of NH-53: Proposal of M/s OPTCL for crossing of 400 KV DC transmission line at Km. 399+210 in the state of Odisha - Reg.

Ref: PD, PIU- Dhenkanal letter no. 1465 dated 29.08.2025

Sir,

Please find enclosed herewith proposal of M/s OPTCL for crossing of 400 KV DC transmission line at Km. 399+210 in the state of Odisha. The details are as under:

S. No	Chaninage	Along/ Across	Distance of Tower from center line of Highway (m)		Ground Clearance (m)	Required clearance as per CEA regulation 2023
			RHS	LHS		
I	At Km. 399+210	Crossing	101	103	21.40	14.15

2. Accordingly, as per guidelines issued by MoRTH vide F. No. RW/NH-33044/29/2015/S&R(R) dt. 22.11.2016, the application along with the recommendations of concerned PD/Consultants are enclosed herewith with request to hoist the same in the Ministry's Website for public comments within 30 days of uploading on the website.

This is issued with the approval of Regional Officer, Odisha.

Yours Sincerely,

(Abinash Behera)  
Manager (Tech)



# भारतीय राष्ट्रीय राजमार्ग प्राधिकरण

(सड़क परिवहन और राजमार्ग मंत्रालय, भारत सरकार)

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NHAI/13011/54/RO/OD/ 2042/2025

08.09.2025

### INVITATION OF PUBLIC COMMENTS

Sub: Duburi Chandikhole section of NH-53: Proposal of M/s OPTCL for crossing of 400 KV DC transmission line at Km. 399+210 in the state of Odisha - Reg.

M/s OPTCL has submitted the proposal for crossing of 400 KV DC transmission line at Km. 399+210 in the state of Odisha. The details are as under:

S. No	Chaninage	Along/ Across	Distance of Tower from center line of Highway (m)		Ground Clearance (m)	Required clearance as per CEA regulation 2023
			RHS	LHS		
1	At Km. 399+210	Crossing	101	103	21.40	14.15

2. As per guidelines issued by MoRT&H vide F. No. RW/NH-33044/29/2015/S&R(R) dated 22.11.2016, the Highway Administration will put out the application in the public domain for 30 days for seeking claims and objections on grounds of public inconvenience, safety and general public interest.

3. In view of the above, the comments of public, if any, on the above-mentioned proposal are invited on below mentioned address:

The Regional Officer,  
National Highways Authority of India,  
Regional Office, Odisha  
301-A, 3rd Floor, Pal Heights,  
J/7, Jayadev Vihar, Bhubaneswar 751013, Odisha  
e-mail: roodisha@nhai.org

This is issued with the approval of RO, Odisha.

08.09.25

Manager (Tech)  
National Highways Authority of India,  
Regional Office, Odisha  
301-A, 3rd Floor, Pal Heights,  
J/7, Jayadev Vihar, Bhubaneswar 751013



### CHECK LIST

Guidelines for processing the proposal of 400 KV D/C power line overhead crossing the national highway by installing tower on private land on both sides of the national highway.

#### General Information

1	Name of the Address of the application/agency:	Odisha Power Transmission Corporation Limited. E.H.T Construction Division, Paradeep AT- 132/33 KV GRID S/S, Otr. No-D1, BODHEI, PO-DAGARPADA, PS-TIRTOL, DIST-JAGATSINGPUR, PIN-754137 (Email: ehtc.div.prdeep@optcl.co.in)
2	National Highway No.	NH-53
3	State	Odisha
4	Location	Nimapali Village
5	Chainage in Km.	399+210
6	Length in mtr.	236.0 (Tower to Tower)
7	Width of available ROW in both side	46.0 mtr.
8	Side of NH (left of right side of NH towards increasing chainage/Km directional)	Overhead crossing at <u>90 degree</u> angle
9	Name of Highway Authority of NHAI/PWD/BRO	NHAI
10	Highway Administration Address	Plot No. 1768, Near Kalinga Eye Hospital, Dakkhinakali Road, Dhenkanal 759001 (Odisha)

*Amali's*

Site Engineer  
National Highways Authority of India  
Project Implementation Unit, Dhenkanal

*Pradyumn*

उप प्रबंधक (तकनीक)  
Dy. Manager (Tech.)  
भारतीय राष्ट्रीय राजमार्ग प्रधिकरण  
National Highways Authority of India  
प.का.इ. , दैकाणाल/ P.I.U. Dhenkanal



*D. K. Choudhary*

D. K. Choudhary  
PROJECT DIRECTOR  
National Highways Authority of India  
P.I.U., Dhenkanal, Odisha

*day*

Sl. No.	Item	Measurement Observations as per site conditions.	MoRTH Norms	Whether Complying with MoRTH Norms
1.	Details of already laid utility service, if any	Yes	<u>Enclosed</u>	
2	Whether up gradation of the stretch in near future is proposed or not	NA		
	(a) If yes provision of utility adversely affects the plan of up-gradation	No		
3	Laying of the utility service along the National Highways	No		
3.1	Location of proposed utility service along the stretch	N/A		
3.2	Depth of top of utility service from ground level	N/A		
3.3	Mechanism for crossing water channel	N/A		
3.4	Whether row is restricted in this stretch	Yes, 46 m	As the proposal is over Head, Line will cross NH only.	
3.4.1	If yes whether provision of land acquisition is required to lay utility	N/A		
	(a) If yes whether undertaking for land acquisition along with relevant L.A. details has been Furnished	N/A		
3.4.2	Width of concrete duct, if utility service is proposed to be laid in concrete ducts	N/A		
4	Laying of utility services across the NH	Yes		
4.1	Whether Existing drainage structure is allowed to carry the utility lines	N/A	Not to be allowed	
4.2	Proposed crossing of utility service	Yes, Perpendicular to NH	Perpendicular to NH	
4.3	Type of casing pipe/conduit carrying the utility line	N/A		
4.4	Whether ends of the casing/conduit pipe are sealed the outside	N/A		
4.5	Length of casing/Conduit Pipe crossing NH	N/A		
4.6	Depth of top of the casing/conduit Pipe	N/A		
4.7	Crossing method in case of cc pavement.	N/A		
4.8	Horizontal and vertical clearances in case utility are allowed overhead	Yes	Enclosed if applicable	
5	Documents/ Drawing enclosed with the proposal	Yes		
5.1	Cross Section showing the size of trench of open trenching method	N/A		
	(a) Trench width			

*Amalix*

**Site Engineer**  
National Highways Authority of India  
Project Implementation Unit-Dhenkanal

*Prigalmy*

उप प्रबंधक (तकनीक)  
**Dy. Manager (Tech.)**  
भारतीय राष्ट्रीय राजमार्ग प्रधिकरण  
National Highways Authority of India  
प.का.इ. देकानाल/ P.I.U. Dhenkanal

*Sheedumy*  
**D. K. Choudhary**  
PROJECT DIRECTOR

National Highways Authority of India  
P.I.U., Dhenkanal, Odisha





	(b) Filling of trench	N/A		
	(c) Location of trench	N/A		
5.2	Cross Section Showing the size of pit and location of conduit for HDD method	N/A	N/A	
5.3	Strip plan/ Route plan showing utility line, Chainage width of ROW distance of proposed utility from the edge of row important milestone intersection cross drainage works etc.	Yes, Enclosed	Enclosed	
5.4	Plan and profile drawing of trench of stretch showing cross section of road at 20 m distance along width ROW and proposed utility	N/A	N/A	
6	Methodology for laying of utility line	Enclosed	Enclosed	
7	Draft License Agreement as per ministry guidelines vide letter No. RW/NH-34044/29/2015/S&R dated 22.11.2016 and signed by two witnesses	Enclosed	Enclosed	
8	License fees in favor of Morth RPAO	Enclosed	As per Ministry vide circular no. RE/NH-33044/29/2015/S&R dated 22.11.2016	
9	Whether Bank Guarantee has been obtained	Enclosed	As per Ministry vide circular no. RE/NH-33044/29/2015/S&R dated 22.11.2016	
	(a) If yes, whether confirmation of BG has been obtained as per MORTH/NHAI guidelines	Enclosed		
10	Affidavit / Undertaking from the Application for	Enclosed		
10.1	Undertaking for not to damage other Existing utility if damaged then to pay the losses to either to Morth/NHAI or to the Concerned agency	Enclosed	Enclosed	
10.2	Undertaking for renewal of bank Guarantees and when asked by NHAI/Morth	N/A	N/A	
10.3	Undertaking for confirming all standard Condition of Morth/NHAI guidelines	Enclosed	Enclosed	
10.4	Undertaking for shifting of utility as and when asked by Morth/NHAI with in a month at their own cost.	Enclosed	Enclosed	
10.5	Undertaking for indemnity against all damaged and claims	Enclosed	Enclosed	
10.6	Undertaking for management of traffic movement during laying of utility line without hampering the traffic	Enclosed	Enclosed	

*Amalix*  
Site Engineer

National Highways Authority of India  
Project Implementation Unit-Dhenkanal

*Amalix*  
उप प्रबंधक (तकनीकी)

Dy. Manager (Tech.)  
भारतीय राष्ट्रीय राजमार्ग प्राधिकरण  
National Highways Authority of India  
प.क.इ. - दhenkanal/ P.U. Dhenkanal

*Shankar*

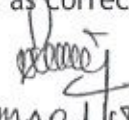
D. K. Choudhary  
PROJECT DIRECTOR  
National Highways Authority of India  
P.U., Dhenkanal, Odisha



10.7	Undertaking that if any claim is raised by the concessionaire/contractor then the same has to be paid by the applicant	Enclosed	Enclosed	
10.8	Undertaking that the applicant has obtained various safety clearness from the representative authorities such as directorate of electricity, chief controller of Explosive petroleum and Explosive safety Organization, Oil Industry Safety Directorate, state /central Pollution Control Borad and any other statutory clearance applicable before applying to highway Administration	Enclosed	Enclosed	

The Right of the way (ROW) of the National Highway available at the proposed location from the center line divided carriageway is (45) (from center of ~~ROW~~ <sup>highway</sup> to edge of ROW towards proposed Utility)

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

  
**AMARJIT MOHAPATRA**  
 Deputy General Manager (Elect.)  
 EHT Construction Division  
 OPTCL, PARADEEP

[Name Designation and signature of  
the authorized representative of  
applicant]

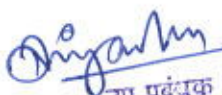


[Name Designation and signature of

**P.K. Choudhary**  
 PROJECT DIRECTOR  
 National Highways Authority of India  
 P.I.U., Dhenkanal



  
**Anand**  
 Site Engineer  
 National Highways Authority of India  
 Project Implementation Unit-Dhenkanal

  
 उप प्रबंधक (तकनीक)  
 Dy. Manager (Tech.)  
 भारतीय राष्ट्रीय राजमार्ग प्राधिकरण  
 National Highways Authority of India  
 प.का.इ. , दैकाणाल/ P.I.U. Dhenkanal





सत्यमेव जयते

# भारतीय राष्ट्रीय राजमार्ग प्राधिकरण

(सड़क परिवहन और राजमार्ग मंत्रालय, भारत सरकार)

## National Highways Authority of India

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

परियोजना क्रियान्वयन इकाई - डेकानाल / Project Implementation Unit - Dhenkanal  
प्लॉट नं-1768, कलिंग आंखों के अस्पताल के समीप, दक्षिणकाली मार्ग, डेकानाल -759001, (ओडिशा)  
Plot No. : 1768, Near Kalinga Eye Hospital, Dakkhinkali Road, Dhenkanal-759001 (Odisha)

दुरभाष / Ph. : 06762 - 796579 (का / 0)

ई-मेल / E-mail : piudhenkanal@nhai.org, nhaidhenkanal@gmail.com



No.11035/78/OPTCL/DC/PIU-DKL/2025/1465

Date: 29.08.2025

Regional Officer,  
National Highways Authority of India.  
RO office, Odisha. 301-A, 3rd Floor,  
Pal Heights, J/7, Jaydev Vihar,  
Bhubaneswar-751013

Sub: - 4 Laning of Duburi Chandikhole from km 388.376 to km 428.074 (Pkg-III): Request for granting permission for crossing of 400 KV DC transmission line from new Duburi to Paradeep in NH-53 in between Loc AP 27/0 to AP 28/0 at Ch. KMS 399+210.

Ref: 1. M/s. OPTCL letter no. 289(3) dated 28.07.2025  
2. This office letter no. 1324 dated 05.08.2025  
3. AE letter no. 441 dated 23.08.2025

Sir,

With reference to the above mentioned subject, M/s. OPTCL vide letter no. 289(3) dated 28.07.2025 has re-submitted the revised proposal for granting permission for crossing of 400 KV DC transmission line from new Duburi to Paradeep in NH-53 in between Loc AP 27/0 to AP 28/0 at Ch. KMS 399+210 for NOC.

In this regard, this office letter no. 1324 dated 05.08.2025 has requested Authority Engineer to examine the proposal w.r.t to MoRTH guidelines. Subsequently, AE has visited the site on 22.08.2025, and examined the proposal with representative of M/s. OPTCL EHT (Construction Division) through vide letter no. 441 dated 23.08.2025.

In view of the above & based on the recommendation of AE, the subjected proposal is recommended herewith for approval of NOC by the Competent Authority i.e., NHAI.

Encl: As above

Yours faithfully,

*(Signature)*  
29.08.2025

(D. K. Choudhary)  
Project Director

*(Signature)*





# MSV INTERNATIONAL INC.



Joint Venture (JV) with  
**ARTEFACT PROJECTS LIMITED**



In Association with  
**DN CONSULTANT & SERVICE PVT. LTD.**

MSV International, Inc.

Block-C, NHAI Complex

Neulpur, Chandikhole

Jajpur-755024 (Odisha)

Email: [msv.duburi@gmail.com](mailto:msv.duburi@gmail.com)

CIN: F 04214

AE for supervision of Rehabilitation & Up gradation of existing two lane to four lane standards from Duburi to Chandikhole of NH-200 (New NH-53) including Major Bridge over Brahmani River and Rehabilitation and Up-gradation of NH149 (Pallahara to Pitir Section) to two lanes with paved shoulders under NHDP-IV on EPC Mode in the state of Odish

Letter. no.: MSV-DNC/Duburi - Chandikhole/2025-26/441

Date: 23 August, 2025

To,  
The Project Director,  
PIU - Dhenkanal, National Highways Authority of India,  
Plot No. 1768, Near Kalinga Eye Hospital,  
Dakhinakali Road, Dhenkanal-759001

**Subject:** Rehabilitation and Up gradation of existing two lane to four lane standards from Duburi to Chandikhole section of (Km. 388.000 to Km. 427.400) of NH-200 (New NH-53) under NHDP-IV on EPC Mode in the state of Odisha, (Pkg. -3) – Granting permission for crossing of 400 KV DC transmission line from new Duburi to Paradeep in NH-53 in between Loc AP 27/0 to AP 28/0 at Ch. KMS 399+210.

**Reference:** NHAI letter no. 11035/78/OPTCL/DC/PIU-DKL/2025/1324 dated 05.08.2025

Dear sir,

In reference to above subject matter and reference letter, authority engineer has visited the site on 22 August, 2025, and examined this proposal, in presence of representative of M/s- OPTCL EHT(Construction Division), in accordance with MORT&H guidelines no. RW/NH-33044/29/2015/S&R dated(R) 22.11.2016 and it's subsequent amendment, at Km. 399+210. Subsequently, the following points noted:

1. Checklist provided in this proposal is confirming to MORT&H guidelines.
2. Safety implementation details during the construction of 400 KV transmission line crossing and after construction enclosed.
3. No effect on environment and natural bodies.

Accordingly, the submitted proposal of M/s- OPTCL EHT(Construction Division) is eligible for getting permission for crossing of 400 KV DC transmission line from new Duburi to Paradeep in NH-53 in between Loc AP 27/0 to AP 28/0 at Ch. KMS 399+210, by the authority(NHAI).

This is for kind information and further needful please.

Best regards.

We assure our best services all the time.

For MSV International Inc - Artefact Projects Limited (JV)  
In association with D N Consultant & Services Pvt. Ltd

(Manoj Kumar)  
Team Leader

Encl.: As above.



RECEIVED  
N.H.A.I., PI.U., Dhenkanal  
डा. न.  
By No. 1712  
दिनांक  
Date 26/8/25



# ଓଡିଶା ବିଦ୍ୟୁତ୍ ଶକ୍ତି ସଂଚାରଣ ନିଗମ ଲିଡି.



ODISHA POWER TRANSMISSION CORPORATION LIMITED  
(A Govt. of Odisha Undertaking)

OFFICE OF THE DEPUTY GENERAL MANAGER (ELECT.)

E.H.T. CONSTRUCTION DIVISION, PARADEEP

AT-132/33 KV GRID S/S, Otr. No-D1, BODHEI, PO-DAGARPADA, PS-TIRTOL.

DIST-JAGATSINGPUR, PIN-754137

(Email: ehtc.div.prdeep@optcl.co.in)

No. 289 (3)

Dated: 28.07.2025

To,

The Project Director,  
NHAI, Dhenkanal.

Sub: Submission of relevant documents for crossing of 400kV DC transmission line from New-Duburi to Paradeep in NH-53 in between Loc AP 11/0 to AP 12/0 at change Ch. KMS 393+960 & Loc AP 27/0 to AP 28/0 at change Ch. KMS 399+210.

- Ref: 1. Your good office Letter No.11035/78/OPTCL/DC/PIU-DKL/2024/1071, dt.20.06.2025.  
2. This office letter No.-204(3), dt.23.05.2025.  
3. This office letter No.-16, dt.07.12.2024.

Sir,

Please find enclosed herewith the detail documents as MoRTH guideline for crossing of 400kV DC transmission line from New-Duburi to Paradeep in NH-53 in between Loc AP 11/0 to AP 12/0 at change Ch. KMS 393+960 & Loc AP 27/0 to AP 28/0 at change Ch. KMS 399+210 as per your compliance letter under reference-1. Previously the above proposal was submitted vide letter under reference- 2 & 3 which was returned by you for necessary compliance.

Hence, necessary action may be taken for approval of the above proposal for completion of the project.

This is for your information & necessary action at your end.

Yours faithfully,

Encl: As Above

*[Signature]*  
28/07/2025  
Dy. General Manager (Elect.)  
EHT(C) Division, Paradeep, OPTCL

CC:

1. The General Manager (Elect), EHT(C) Circle, OPTCL, Bhubaneswar for kind information.
2. The Project in Charge, M/s Transrail Lighting Ltd. for information & instructed to follow up the proposal for early approval.

ମହାଶୟ: ପ.କା.ଇ., ଡି.କାନାଲ୍

N.H A.I., P.I.U. Dhenkanal

ଢା. ନଂ.....

Dy No..... 15/11.....

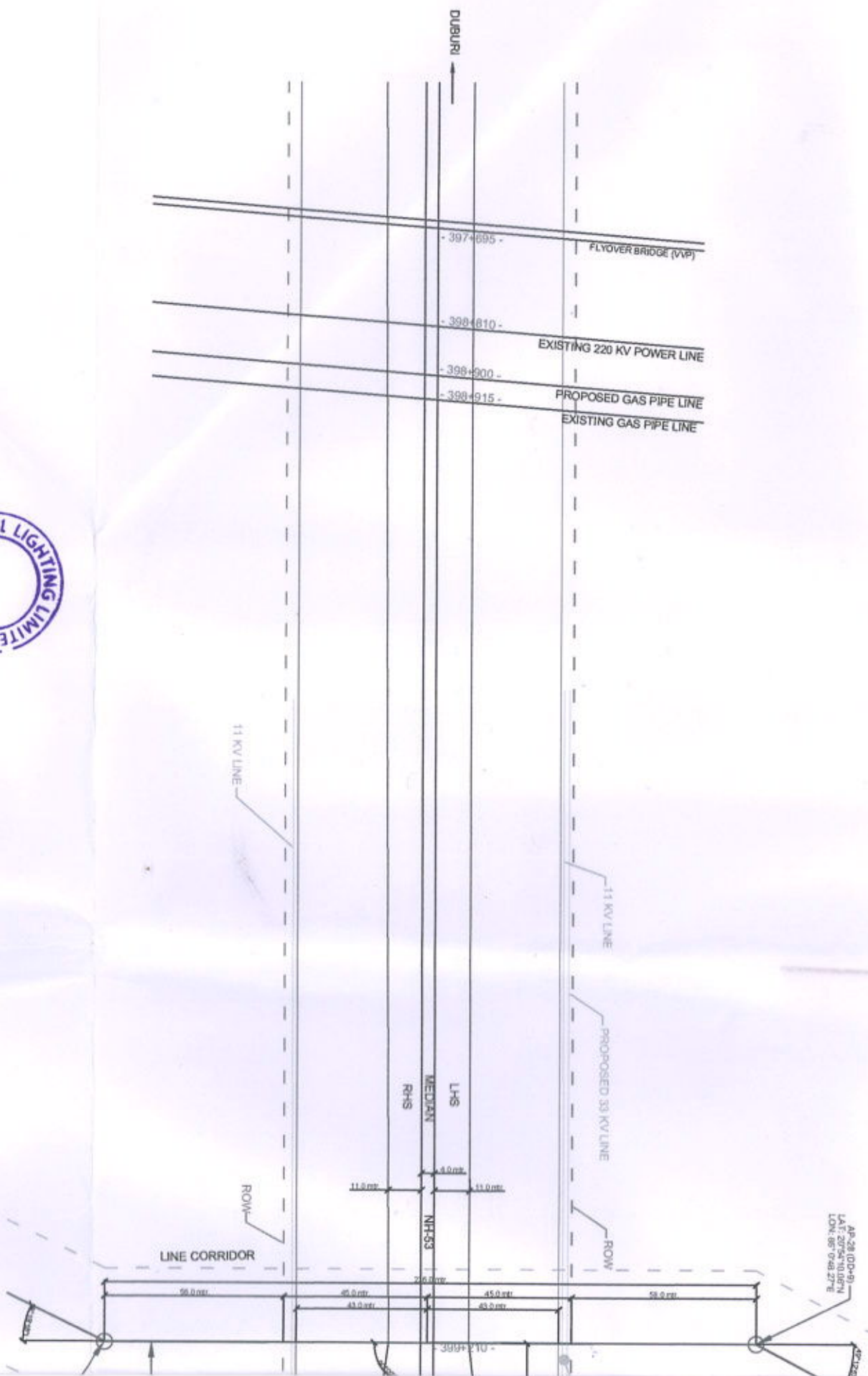
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Date..... 30/7/25

28.07.2025  
Dy. 178/CT  
SE (NH)  
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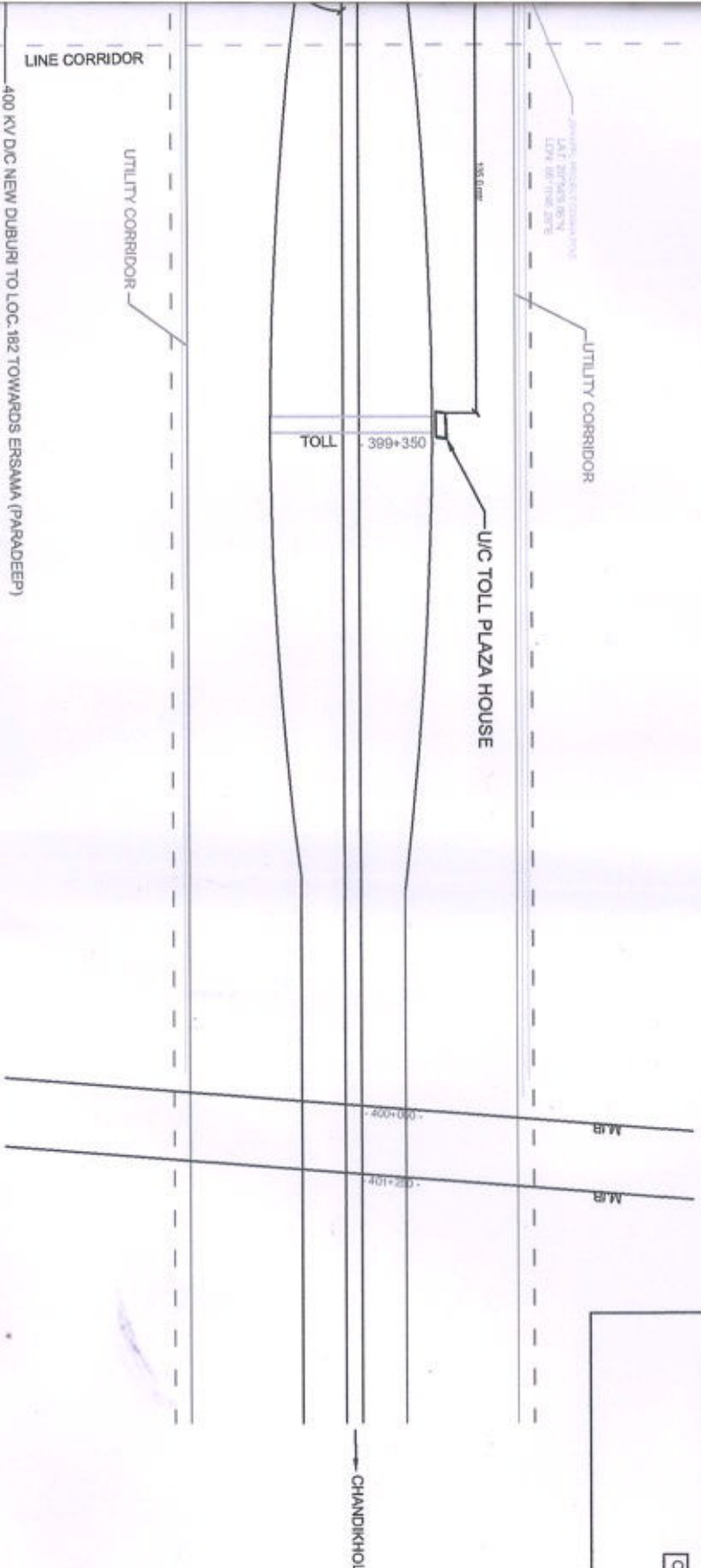
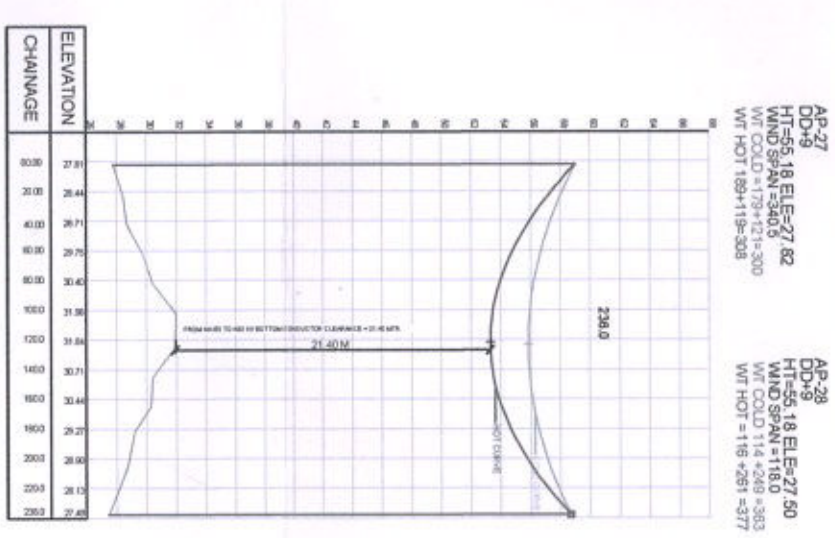


SINGLE LINE DIAGRAM  
400 KV D/C NEW DUBURI TO LOC.182 TOW  
AT LOCATION NO. AP-27/0 TO AP-28/0 NH-53 OVER





# ARDS ERSAMA (PARADEEP) HEAD CROSSING AT CH: 399+210



AP-27 (DD+6)  
LAT: 20°24'10.37N  
LONG: 86°06'01.37E

**AGM**  
EHT (C) SUB-DIVISION  
CHANDIKHOL

Deputy General Manager (Elect.)  
EHT Construction Division  
OPTCL, PARADEEP



Site Engineer  
National Highways Authority of India  
Project Implementation Unit-Dhenkanal

अ प्रबंधक (तकनीक)  
Dy. Manager (Tech.)  
राष्ट्रीय राजमार्ग निधिकरण  
National Highways Authority of India  
प्र.का.इ. - दैका/प्र. प.उ. धनकानाल

**D. K. Choudhary**  
PROJECT DIRECTOR  
National Highways Authority of India  
P.U., Dhenkanal, Odisha