



# 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 हाईट्स, 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/2375/2025

10.10.2025

To

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

Sub: Chandikhole-Paradip section of NH-53 (Pkg-IV): Proposal of OPTCL for permission for crossing of 400 KV DC Transmission line at Km. 60+724 - Reg.

Ref: PD, PIU- Chandikhole letter no. 1688 dated 01.09.2025

Sir,

Please find enclosed herewith proposal of M/s OPTCL 400 KV DC transmission line at Km. 60+724 in village Naladia Sasan, Dist. Kendrapara 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	Km. 60+724	Crossing	159	136	25.3	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,

*Amit Kumar Gupta*

(Amit Kumar Gupta)  
Dy. General Manager (Tech)



# 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

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NHAI/13011/54/RO/OD/ 2375 /2025

10.10.2025

## INVITATION OF PUBLIC COMMENTS

Sub: Chandikhole-Paradip section of NH-53 (Pkg-IV): Proposal of OPTCL for permission for crossing of 400 KV DC Transmission line at Km. 60+724 - Reg.

M/s OPTCL has submitted a proposal for crossing of 400 KV DC transmission line at Km. 60+724 in village Naladia Sasan, Dist. Kendrapara 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	Km. 60+724	Crossing	159	136	25.3	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.

*A. K. S.*

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



**ODISHA POWER TRANSMISSION CORP. LTD.**

Chandikhol - Paradeep National Highway -53 at Crossing Chainage 60+724.450 for  
Construction 400 KV D/C New Duburi S/S To Ersama S/S Transmission line  
between Location No.283 (DD+25) & Location No 284 (DD+18).

**Name of Transmission Line: 400 KV D/C NEW DUBURI S/S TO ERSAMA S/S  
TRANSMISSION LINE.**

1.	Situation of the EHV Transmission line crossing on National Highway.	On Chandikhol – Paradeep National Highway – 53 at Chainage 60km+724.450m, Near village- Naladia Sasan, between Chandikhol – 60 Km approx. And Paradip – 17 Km approx.
2.	Angle of crossing of the transmission line with the National Highway at crossing point	76° 00' 00"
3.	The length of the span at the crossing and also those on either side of the crossing	A) Crossing span 295 Mt. B) Preceding span 375 Mt. C) Succeeding span 380 Mt.
4.	In the event of the transmission line deviating at any of the supports of the crossing necessitating one of the structures to be corner structures, state angle of such deviation the deviation of the span on either side of crossing shall be illustrated in the sketch mentioned in the clause 2 above.	Location No. 283 DD+25, < 02° 15' 17" LT 284 DD+18, < 04° 19' 44" RT
5.	The number, size and the material of the conductors and wires crossing the NH each wire under phase, neutral each, guard, bearer and ground cross wire should be separately described and their disposition indicated by means of sketch.	ACSR Moose Conductor dia 31.77 mm, No. of Conductor –12 Nos. Unit Weight 2.004 Kg/m, Ultimate Strength 16438 kg. (54/3.53mm AL+7 /3.53mm Steel Overall Diameter of OPGW wire –12.5 mm . Unit weight 0.477 kg/m Diameter of Earth Wire -10.98mm
6.	Indicate whether the proposed guard is to be restricted to the crossing span or it is to be continued over the adjacent span.	Not Applicable
7.	The deviation of the span on either side on the crossing shall be illustrated in the sketch mentioned in the clause 2 above.	Enclosed in sketch.
8.	System of supply (i.e. Voltage) frequency, No. of phases, whether neutral is earthed or not.	400 KV, 50 Hz, 06 Phase Double Circuit with 1 No. OPGW of 24 fibers & 1No. G.S Earth Wire .
9.	Height of structure above ground and below ground separately and details of foundation.	A) Location No.283 (DD+25) height above GL 73.350 M depth below GL 17.300 M B) Location No.284 (DD+18) height above GL 66.350 M depth below GL 17.300 M



**Deputy General Manager (Elect.)  
E.H.T. Construction Division  
OPTCL, PARADEEP**

**Dy. Manager(Tech)  
N.H.A.I, PIU  
Chandikhole**

**Project Director,  
National Highways Authority of India  
Chandikhole**



10.	Height above ground level of (1) Lowest conductor on insulator and (2) guard wire on bracket above ground level.	Location No.
		283 DD+25 = 47.250 M.
		Location No.
		284 DD+18 = 40.250 M
11.	Height of road level above ground level measured at the foot of the structure.	Location No.
		283 DD+25 = 11.628 M.
		Location No.
		284 DD+18 = 11.648 M.
12.	Clearance under maximum sag condition between road level and the lowest live conductors & between road level and lowest guard wire (State if "box" type guarding is provided in case of adoptions of unearthed neutral system).	AT Null Point = At Road = 25.3 M
13.	Ultimate Tensile stress of the steel wire used for guard for earth wire in tones per Sq. Cms.	Not applicable
14.	Approximate distance of each of the structures to the nearest NH Boundary (ROW) measured along the alignment of the transmission line.	Location No.
		283 DD+25 = 45 M.
		Location No.
		284 DD+18 = 28 M.
15.	Are the proposed structure is in NH boundary.	Outside NH boundary.
16.	Are approved antilimbing devices and warning notices provided on the structures erected?	Danger boards are provided on both the Towers.
17.	Dimensions and types of brackets used for the cross arms as well as for the guards wires.	Not applicable for transmission Line.
18.	In each structure of the crossing span independently earthed by means of an earth plate.	Yes, each structure is earthed.
19.	In each structure supported by means of stage in three directions give the size of guy wires, (the neglected in calculating the strength of structure).	No, guys or stays are provided structures are self supporting.
20.	If no guard is provided, in the transmission line protected by device to ensure instantaneous isolation is conduction?	Yes, the transmission line is protected instantaneously by high speed protection relays with carrier equipment.
21.	Type of insulators used.	Porcelain disc of electromechanical strength in a single disc = 160 KN.
22.	State the method of maintenance to be employed to ensure the following protections.	
a)	From overhanging or decaying trees which might fall on the line.	a) Tree clearance to a width of 23 M is done in either side of line centre.
b)	To reduce the hazard to life and property.	b) Warning boards are provided.
c)	Supporting structure including guys, from the danger of being struck by moving road vehicle.	c) Structures are at safe distance from road.
23.	Drawing showing details of crossing disturbance of road, ground or attachment that may be necessary (To be supplied in quadruplicate.)	Enclosed.



**Dy. Manager(Tech)**  
**N.H.A.I., PIU**  
**Chandikhole**

**DGM(Elect.)**  
**EHT (Construction) Division**  
**Paradeep, OPTCL**

**Project Director,**  
**National Highways Authority of India**  
**Chandikhole**

## CHECK-LIST

FOR NH -53 ROAD CROSSING 400 KV D/C NEW DUBURI S/S TO ERSAMA S/S  
TRANSMISSION LINE.

S.NO.	DESCRIPTION	DETAILS
1.	National Highway Number	NH-53
2.	Name of Crossing Line	400 KV D/C NEW DUBURI S/S TO ERSAMA S/S TRANSMISSION LINE.
3.	SYSTEM OF SUPPLY (i.e VOLTAGE) FREQUENCY NO.OF PHASES,WHETHER NEUTRAL IS EARTHED OR NOT	400 K.V.D/C 12 phase 50 cycles A.C. ,1 OPGW & 1 Earth Wire.
4.	Position of towers	BETWEEN LOC. NO.283 (DD+25) & 284 (DD+18)
5.	NORMAL SPAN OF CONDUCTOR	400 M.
6.	MAX.SAG AT NORMAL SPAN	8.84 M.
7.	CROSSING SPAN	295 M.
8.	Preceding span	375 M.
9.	Succeeding span	380 M.
10.	Height of structure above ground and below ground separately and details of foundation	A) Location No.283 (DD+25) height above GL 73.350 M depth below GL 17.300M. B) Location No.284 (DD+18) height above GL 66.350 M depth below GL 17.300M
11.	Max.SAG OF ACSR Moose CONDUCTOR SIZE 54/3.53mm AL+7 /3.53mm at Crossing	11.148 M
12.	CLEARANCE OVER ROAD	25.3 M
13.	Height above ground level of (1) Lowest conductor on insulator and (2) guard wire on bracket above ground level	ON TOWER NO 283 - 47.250 M.  ON TOWER NO 284 - 40.250M



**Dy. Manager(Tech)**  
**N.H.A.I. PIU**  
**Chandikhole**

**DGM(Elect.)**  
**EHT (Construction) Division**  
**Paradeep, OPTCL**

**Project Director,**  
**National Highways Authority of India**  
**Chandikhole**



14.	Height of road level above ground level measured at the foot of the structure.	Location No. 283 DD+25 = 11.628M. Location No. 284 DD+25 = 11.648 M
15.	Angle of road crossing	76° 00' 00"
16.	Distance from NH Boundary(ROW) From center of tower	Loc. No. 283 (DD+25) = 45 M. Loc. No. 284 (DD+18) = 28 M
17.	Perpendicular distance from center of tower to center of road	Loc. No. 283 (DD+25) = 136 M. Loc. No. 284 (DD+18) = 159 M
18.	Protection of assembly to the line	NA
19.	No. of stay required	NO.
20.	Minimum Factor of Safety	2.
21.	Size of power conductor mm.	ACSR MOOSE Conductor over all dia.31.77 MM)
22.	Size of Earth Wire & OPGW	OPGW(Dia 12.5 mm) Earth Wire(Dia 10.98mm)
23.	FOUNDATION TYPE	Full clay (Pile)
24.	PLAN PAPER DIAGRAM	PROFILE (ENCLOSED)
25.	EARTHING	PIPE TYPE EARTHING (2 NOS EACH TOWER)



*[Signature]*  
DGM(Elect.)  
EHT (Construction) Division  
Paradeep, OPTCL

*[Signature]*  
Dy. Manager(Tech)  
N.H.A.I. PIU  
Chandikhole

*[Signature]*  
Project Director,  
National Highways Authority of India  
Chandikhole

**400 KV D/C NEW DUBURI S/S TO ERSAMA S/S TRANSMISSION LINE**

**SAG Calculation With Clearance**  
**Between Loc No 283 to 284 at 85° C**

RL of Loc No. 283	=				94.372	
RL of Loc No. 284	=				94.352	
RL of crossing point	=	106.000	+	0.000	=	106.000
BOTTOM CROSS ARM RL of LOC NO. 283	=	94.372	+	47.250	=	141.622
BOTTOM CROSS ARM RL of LOC NO. 284	=	94.352	+	40.250	=	134.602
						+Extension + Tower Footing RL
Tension (T) at 85°C	=				3023	KG
CROSSING Span (L)	=				295	Mtr.
CONDUCTOR WEIGHT (W) FOR ACSR MOOSE	=				2.004	KG/Mtr
HEIGHT DIFFERENCE OF BOTTOM CROSS ARM BETWEEN LOC NO 283 AND 284						
141.622		134.602			7.020	Mtr.
H	=				7.020	Mtr.
Null Point	=				(TH/WL)+L/2	
	=				((3023x7.020)/(2.004x295))+(295/2)	
	=				183.3968	Mtr.
L1- 2x Null Point	=				2X 183.3968	366.794
MAX. Sag at Null Point	=				WL <sup>2</sup> /8T	
	=				(2.004x366.794 <sup>2</sup> )/(8x3023)	
	=				11.14841	Mtr.
RL OF NULL POINT- Bottom Cross Arm RL of Loc No. 283					141.622	
Max. Sag at Null Point of Bottom Conductor					11.148	
	=				130.474	Mtr.
Distance of Crossing Point to Null Point	=				132.5	
	=				183.4	
1/2 Sag	=				50.89678	Mtr.
	=				(2.004x50.8968 <sup>2</sup> )/(2x3023)	
	=				0.858638	Mtr.
MAX. SAG at Crossing Point Respect To Loc No 283	=				11.14841	
	=				10.28977	Mtr.
RL OF BOTTOM CONDUCTOR AT CROSSING POINT	=				130.4736	
	=				131.332	Mtr.
CLEARANCE BETWEEN BOTTOM CONDUCTOR TO CROSSING POINT= (131.332-106.00)					25.3	Mtr.
Clearance under Max Sag	=				25.3	Mtr.
(Consider 1 as Practical Working Factor)						



**Dy. Manager(Tech)**  
**N.H.A.I, PIU**  
**Chandikhole**

**Project Director,**  
**National Highways Authority of India**  
**Chandikhole**

CLIENT : ODISHA POWER TRANSMISSION CORPORATION LIMITED (OPTCL)

AGENCY: R.S. INFRA PROJECT PRIVATE LIMITED

TOWER SCHEDULE 1.0C - 282 TO LOC - 286

Sl. No.	AP NO	Location	Type of Tower	Deviation Angle	Span		Wind Span	UTM Coordinates (Zone-45Q)		Remarks
					mtr	m	Easting X	Northing Y		
1	AP-126	LOC-282	DD+6	41°58'46.43"RT	375		375.0	452377	2252762	
2	AP-127	LOC-283	DD+25	02°15'17.55"LT	375		335.0	452123	2252486	
3	AP-128	LOC-284	DD+18	04°19'43.88"RT	295		337.5	451932	2252262	220 KV D/C DUBURI- PARADEEP TL, ESSAR OIL PETROLIUM LINE, CHANDIKHOL-PARADEEP N.H. 53,2NOS. NALA, 2NOS 11KV LINE
4		LOC-285	DB+6	06°46'04.96"LT	380		395.0	451665	2251992	NALA
5	AP-129	LOC-286	DC+3	22°27'08.27"RT	410			451421	2251687	

FOR RSINFRA PROJECT PVT LTD.

FOR OPTCL

SURVEY BY

SUBMITTED BY

CHECKED BY

DCM(Elect.)

PFT (Construction) Division

APPROVED BY

Project Director,

APPROVED BY: **Project Director,**  
**National Highways Authority of India**  
**Dy. Manager(Tech)** **Chandikhole**  
**N.H.A.I, P.O**  
**Chandikhole**





सत्यमेव जयते

# भारतीय राष्ट्रीय राजमार्ग प्राधिकरण

(सड़क परिवहन और राजमार्ग मंत्रालय, भारत सरकार)

## National Highways Authority of India

(Ministry of Road Transport and Highways, Government of India)

परियोजना कार्यान्वयन इकाई / Project Implementation Unit

एन.एच.ए.आई. कॉम्प्लेक्स, नेउलपुर, चंडीखोल, जाजपुर - ७५५०२४ (ओड़िशा)

NHAI Complex, Neulpur, Chandikhole, Jajpur-755024 (Odisha)

दूरभाष / Tel : 06725 - 291479

ई-मेल / e-mail : nhaichandikhole@gmail.com, piuchandikhole@nhai.org



NHAI/13011/13/RoW/2025/PIU/CDL/ 1688

01 Sept, 2025

To,

The Regional Officer,  
National Highways Authority of India,  
301-A, 3<sup>rd</sup> Floor, Pal Heights,  
Plot No. J/7, Jayadev vihar,  
Bhubaneswar-751013.

Sub: Proposal for construction of 400 KV DC Transmission line crossing of NH-53 at Km. 60+724.- Reg.

Ref.: (1) OPTCL letter No. 261 dated 03.07.2025  
(2) This office letter No. 1329 dated 10.07.2025  
(3) Independent Engineer letter No. 1079 dated 22.08.2025

Sir,

In inviting reference to the subject cited above, vide letter under ref. (1) it is to state that request for approval proposal for construction of 400 KV DC Transmission line crossing of NH-53 received from DGM (Elect.) EHT, Construction Division, OPTCL, Paradip.

The proposal was forwarded to IE, M/s MSV International Inc. in association with DN Consultant. vide letter cited at ref. (2) for detailed examination the guidelines issued by Ministry of Road Transport & Highways vide Circular No. RW/NH-33044/29/2015/S&R (R) dt. 22.11.2016 "Accommodation of Public and Industrial Utility service along and across National Highways".

The proposal has been examined by Independent Engineer along with Concessionaire in the light of guidelines of Ministry of Road Transport & Highways issued vide Circular No. RW/NH-33044/29/2015/S&R (R) Dated 22.11.2016 "Accommodation of Public and Industrial Utility services along and across National Highways" and After verification of the proposal, the IE vide letter under ref. (3) recommended that the proposal is found to be in order.

In view of above, as per the recommendation of the Independent Engineer the proposal for construction of 400 KV DC Transmission line crossing at Km. 60+724 (RHS) is hereby recommended and forwarded herewith for approval of Competent Authority.

Yours faithfully

Encl. As Above.

(J.P. Verma)  
Project Director

## Standard Inspection Note for Access Permission

Name of Work: Access permission for Construction of 400 KV DC Transmission line crossing at Ch.60+724.450 for Chandikhole- Paradip Section of NH - 53

Date of Inspection: Joint site inspection on 22-08-2025

Observations and comments on Proposal:

1. Proposal is for additional and reliable power supply is to be supplied Ersama 400KV Grid.
2. Draft agreement copy is in order.
3. Undertakings, Indemnity bond supplied are in order.
4. Details mentioned in the checklist is satisfactory.
5. DC Transmission line is to be laid up to Ch. 60+724 along the Project Highway on LHS. At Ch. 60+724 there shall be a crossing.
6. Total length of DC line crossing width shall be the width of ROW i.e. 65m. (Approx).
7. HDD methodology statement is provided.
8. The drawings are clear and descriptive.
9. Safety precautions declarations are included in the methodology statements.
10. This UG laying by HDD method and crossing of power cable shall not be affecting any NHA assets.
11. Work Shall be completed under stipulated time frame

The stipulated norms/check list and drawing has been verified as per Ministry's Circular No.- RW/NH-33044/29/2015/S&R (R), Dated: 22.11.2016 and found to be in order. Therefore, may be recommended for approval of Provisional NOC.



  
**Dy. Manager(Tech)**  
**N.H.A.I, PIU**  
**Chandikhole**

  
**Project Director,**  
**National Highways Authority of India**  
**Chandikhole**



## Standard Inspection Note for Access Permission

Name of Work: Access permission for Construction of 400 KV DC Transmission line crossing at Ch.60+724.450 for Chandikhole- Paradip Section of NH - 53

Date of Inspection: Joint site inspection on 22-08-2025

Observations and comments on Proposal:

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2. Draft agreement copy is in order.
3. Undertakings, Indemnity bond supplied are in order.
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9. Safety precautions declarations are included in the methodology statements.
10. This UG laying by HDD method and crossing of power cable shall not be affecting any NHA assets.
11. Work Shall be completed under stipulated time frame

The stipulated norms/check list and drawing has been verified as per Ministry's Circular No.- RW/NH-33044/29/2015/S&R (R), Dated: 22.11.2016 and found to be in order. Therefore, may be recommended for approval of Provisional NOC.



  
**Dy. Manager(Tech)**  
**N.H.A.I, PIU**  
**Chandikhole**

  
**Project Director,**  
**National Highways Authority of India**  
**Chandikhole**

## Standard Inspection Note for Access Permission

Name of Work: Access permission for Construction of 400 KV DC Transmission line crossing at Ch.60+724.450 for Chandikhole- Paradip Section of NH - 53

Date of Inspection: Joint site inspection on 22-08-2025

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1. Proposal is for additional and reliable power supply is to be supplied Ersama 400KV Grid.
2. Draft agreement copy is in order.
3. Undertakings, Indemnity bond supplied are in order.
4. Details mentioned in the checklist is satisfactory.
5. DC Transmission line is to be laid up to Ch. 60+724 along the Project Highway on LHS. At Ch. 60+724 there shall be a crossing.
6. Total length of DC line crossing width shall be the width of ROW i.e. 65m. (Approx).
7. HDD methodology statement is provided.
8. The drawings are clear and descriptive.
9. Safety precautions declarations are included in the methodology statements.
10. This UG laying by HDD method and crossing of power cable shall not be affecting any NHAI assets.
11. Work Shall be completed under stipulated time frame

The stipulated norms/check list and drawing has been verified as per Ministry's Circular No.- RW/NH-33044/29/2015/S&R (R), Dated: 22.11.2016 and found to be in order. Therefore, may be recommended for approval of Provisional NOC.



  
Dy. Manager(Tech)  
N.H.A.I, PIU  
Chandikhole

  
Project Director,  
National Highway Authority of India  
Chandikhole



4056



# MSV INTERNATIONAL INC.

In Association with



## D.N. CONSULTANT

MSV International, Inc.

Plot No. HV/58

Hadibandhu Vihar, Silva Das

Kendrapara-754211, Odisha

Email: [msv.paradip24@gmail.com](mailto:msv.paradip24@gmail.com)

CIN: F04214

Independent Engineer Services for Rehabilitation and upgradation from 1 to 8 laning of Chandikhole - Paradip Section of NH-53 (Old NH-5A) from km 0+000 to km 76+646 in the state of Odisha on HAM Mode under NH(O).

**Letter No: MSV- DNC/IE-Chandikhole/NHAI/2025/1079**

**Date: 22.08.2025**

To,  
The Project Director  
NHAI, PIU, Chandikhol,  
NHAI Complex Neulpur,  
Chandikhole, Jajpur, Odisha -755024

**Sub.:** Independent Engineer Services for Rehabilitation and Upgradation From 4 To 8 Laning of Chandikhole – Paradip Section of NH 53 ((Old NH 5A) From Km 0+000 To Km 76+646 In the State of Odisha on Ham Mode Under NH(O). **(Reg. Pproposal for Construction 400 KV DC Transmission line Crossing of NH-53 at Km.60+724 (Chandikhole-Paradeep)**

**Ref:** (1) OPTCL Letter no.261 dated:03.07.2025

(2) Authority letter no: NHAI/13011/13/ROW/2025/PIU/CDL/1329 dated:10.07.2025

Dear Sir,

In connection to the cited subject, the Independent Engineer has conducted joint site visit and reviewed the drawing, checklist as per Circular No.RW/NH-33044/29/2015/S&R (R) dated 22.11.2016 of the proposal for execution of the 400 KV DC transmission At Km.60+724.The crossing and laying of overhead line along the extreme edge of the ROW will not create any harm to the construction of National Highway. The following observations have been enumerated.

1. ROW details have been incorporated in the drawing.
2. Crossing of Transmission line across the NH-53 is clearly mentioned in the subject.
3. General information for Laying and crossing line has been mentioned properly.

Hence, the above proposal has been examined and found satisfactory as per guidelines issued by the MORT&H Vide Circular No.RW/NH-33044/29/2015/S&R (R) dated 22.11.2016 'Accommodation of Public and Industrial Utility service along and across National Highway. The Independent Engineer is hereby recommended the same for final processing of the proposal.

This is for your information and necessary action.

Thanking you assuring our best service of all the time.

With Best Regards

For MSV-International Inc.

In association with D N Consultant



Amit Kumar Mohapatra

Team Leader Cum Senior Highway Engineer.

Copy to: - **1. Masakani Paradip Road Vikas Limited for information.**

India Office MSV: Unit No. 514, 515 & 516, 5th Floor, Suncity Success Tower, Golf Course Extension Road Sector 65, Gurgaon-122005 (Haryana)

E-mail: [info@msvgroup.com](mailto:info@msvgroup.com); Tel.: 0091-124-2841160; CIN: FO4214

USA Office MSV: 15215, 62nd Avenue N.E. Kenmore, Washington-98028, USA, Tel.: 001-425-488-4442, Email: [info@msvgroup.com](mailto:info@msvgroup.com)





**MSV INTERNATIONAL INC.**

*In Association with*

**DNC D.N. CONSULTANT**

**MSV International, Inc.**

Plot No. HV/58

Hadibandhu Vihar, Silva Das

Kendrapara-754211, Odisha

Email: [msv.paradip24@gmail.com](mailto:msv.paradip24@gmail.com)

CIN: F04214

Independent Engineer Services for Rehabilitation and upgradation from 4 to 8 Lining of Chandikhole - Paradip Section of NH-53 (Old NH-5A) from km 0+000 to km 76+646 in the state of Odisha on HAM Mode under NH(O).

**Letter No: MSV- DNC/IE-Chandikhole/NHAI/2025/1079**

**Date: 22.08.2025**

**To,  
The Project Director  
NHAI, PIU, Chandikhol,  
NHAI Complex Neulpur,  
Chandikhole, Jajpur, Odisha -755024**

**Sub.:** Independent Engineer Services for Rehabilitation and Upgradation From 4 To 8 Lining of Chandikhole – Paradip Section of NH 53 ((Old NH 5A) From Km 0+000 To Km 76+646 In the State of Odisha on Ham Mode Under NH(O). **(Reg. Pproposal for Construction 400 KV DC Transmission line Crossing of NH-53 at Km.60+724 (Chandikhole-Paradeep)**

**Ref:** (1) OPTCL Letter no.261 dated:03.07.2025

(2) Authority letter no: NHAI/13011/13/ROW/2025/PIU/CDL/1329 dated:10.07.2025

Dear Sir,

In connection to the cited subject, the Independent Engineer has conducted joint site visit and reviewed the drawing, checklist as per Circular No.RW/NH-33044/29/2015/S&R (R) dated 22.11.2016 of the proposal for execution of the 400 KV DC transmission At Km.60+724.The crossing and laying of overhead line along the extreme edge of the ROW will not create any harm to the construction of National Highway. The following observations have been enumerated.

1. ROW details have been incorporated in the drawing.
2. Crossing of Transmission line across the NH-53 is clearly mentioned in the subject.
3. General information for Laying and crossing line has been mentioned properly.

Hence, the above proposal has been examined and found satisfactory as per guidelines issued by the MORT&H Vide Circular No.RW/NH-33044/29/2015/S&R (R) dated 22.11.2016 'Accommodation of Public and Industrial Utility service along and across National Highway. The Independent Engineer is hereby recommended the same for final processing of the proposal.

This is for your information and necessary action.

Thanking you assuring our best service of all the time.

With Best Regards

For MSV International Inc.

In association with D N Consultant

अ.स.स.प्रा., NHAI

प.का.इ., चंडीखोल/PIU, Chandikhole

डायरी, सं/Dy.No. 2213 दि/Dt. 23.8-2025

फा, सं/F.No. ....

Amit Kumar Mohapatra

Team Leader Cum Senior Highway Engineer.

Copy to: - **1. Masakani Paradip Road Vikas Limited for information.**

India Office MSV: Unit No. 514, 515 & 516, 5th Floor, Suncity Success Tower, Golf Course Extension Road Sector 65, Gurgaon-122005 (Haryana)

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# MASAKANI PARADEEP ROAD VIKAS LIMITED

(A wholly-owned subsidiary of Rail Vikas Nigam Limited)

CIN : U421010D2023GO1043519

No. MPRVL/BBS/NHAI/MSV/2025/120

Date: 19 February 2025

To

The Project Director,  
National Highway Authority of India  
NHAI Complex, Neulpur,  
Chandikhole,  
Jajpur-755024


**Sub: Proposal for provisional NOC for construction of 400KV DC Transmission line crossing NH-53 at KM 60+724 by OPTCL** in connection with "Rehabilitation and Upgradation from 4 to 8 laning of Chandikhole- Paradip Section of NH-53 (Old NH-5A) from Km. 60.000 to Km. 76.646 (Package-4) in the State of Odisha on HAM Mode (Pkg-4).

**Ref:** NHAI's letter No. NHAI/13011/13/RoW/2024/PIU/CDL/1770  
Dated. 06.11.2024

With reference to above, the Concessionaire is in receipt of the letter under reference wherein the authority has requested the Concessionaire to provide its recommendations and report for construction of 400KV DC Transmission line crossing of NH-53 by OPTCL at KM 60+724. The proposal has been examined and found satisfactory as per guidelines issued by the MoRTH vide Circular No. "RW/NH-33044/29/2015/S&R (R) Dated 22.11.2016 Accommodation of Public and Industrial Utility service along and across National Highway".

In this regard the Concessionaire wishes to submit that it has no objection for construction of 400KV DC Transmission line crossing of NH-53 by OPTCL at KM 60+724 subject to condition that in the event of any damage to the Concessionaire's work already completed at the said location, all costs incurred for repair and restoration of such work shall be borne by the Authority.

This is for your information please.

  
(Rajeev Ranjan Pandey)  
Director  
MPRVL/Bhubaneswar

Copy to:

1. The Regional Officer/NHAI/Odisha, Bhubaneswar for kind information.
2. The Authorized Signatory, MSV International INC. in association with D.N. Consultant for information.

Regd. Office : B Block, West Wing, Rail Vihar,, Chandrasekharapur, E.Co. Rly. Proj. Complex,  
Bhubaneswar, Khorda, Odisha-751023

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