



No. RO/BBSR/Utility Services/NH-53&49/DGRH/131/2025

Date: 30th Sep, 2025

Invitation of Public Comments

Sub: Permission for laying water pipeline along NH-53 from km 175/800 to 183/100 & 5 crossings and along NH-49 from km 335/820 to 351/234 & 8 crossings under Tileibani block with provision of supply of treated bulk water 5.5 MLD for Deogarh Town of Jamankira block & 04 GPS of Kuchinda block in Sambalpur district - reg.

1. Superintending Engineer, National Highway Division, Deogarh vide letter dated 04.09.2025 has submitted a proposal on the mentioned subject as detailed below:

SN	NH No.	NH Chainage	Available RoW (m)	Dia of Pipe (mm)	Carriageway width (m)	Depth of laying of utility from GL	Length (km)	Methodology
1	53	Km 175/800 to 183/100 (RHS)	8 to 12 m	90 to 125 mm	7.0 m	1.50 m	7.300	Open trench
2	53	Across at km 175/800, 172/200, 180/400, 180/550 & 183/350 (5 locations)	12 to 38 m	90 to 250 mm	7.0 m	2.50 m	-	HDD
3	49	Km 335/820 to 346/600 (RHS)	10 to 12 m	140 to 250 mm	7.0 m	1.50 m	10.780	Open trench
4	49	Km 346/600 to 351/234 (LHS)	12 to 16 m	90 to 160 mm	7.0 m	1.50 m	4.634	Open trench
5	49	Across at km 335/820, 339/400, 345/000, 345/400, 346/000, 346/250, 346/350 & 346/600 (8 locations)	10 to 20 m	90 to 250 mm	7.0 m	2.50 m	-	HDD
		Total					22.714	

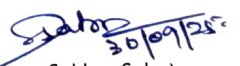
2. As per Ministry's OM No. RW/NH-33044/29/2015/S&R(R) dated 22nd November, 2016 the Highway Administrator will put out the application in the public domain for a period 30 days for seeking claims and objections on grounds of public inconvenience, safety and general public interest, if any.

3. In view of the above, comments of public for claims/objections, if any, on the above proposal are invited online as well as in hard copy. The strip plan/location details are enclosed herewith. The same should reach to the below mentioned address within 30 days from the date of uploading it in the website, beyond which no objection will be considered.

Address:

The Regional Officer,
Ministry of Road Transport & Highways,
Plot No -184, Near Fire Station Sq.,
Baramunda, Bhubaneswar - 751003.

Yours faithfully,


(Sudhansu Sekhar Sahu)
Senior Technical Assistant
For Regional Officer

Copy to:

- 1) The Senior Technical Director, NIC, Transport Bhawan, New Delhi - 110001- along with strip chart for uploading on the Ministry's website.
- 2) General public with request to furnish comments, if any, to the above mentioned address or by e-mail to "robbsr.morth@gmail.com"

कागजी संख्या 1578
तारीख 08-09-2025
सड़क परिवहन और राजमार्ग मंत्रालय
क्षेत्रीय कार्यालय, भुवनेश्वर



E-mail Id -eenhdeogarh09@gmail.com
Phone No. 06641-226414

GOVERNMENT OF ODISHA

OFFICE OF THE EXECUTIVE ENGINEER, NATIONAL HIGHWAY DIVISION, DEOGARH.
At/Po- Purunagarh, Dist-Deogarh (Odisha), Pin-768119.

No. 1947/^{CVE} / Dt. 4.9.2025

To,

The Regional Officer,
Ministry of Road and Transport & Highways,
Regional Officer, Baramunda, Bhubaneswar.

Sub:- Proposal for Execution of Individual report piped water supply scheme for all 215 village under Tileibani Block along with provision of supply of treated bulk water 5.5 MLD for Deogarh Town 15 GPS of Jamankira Block and 04 GPS Kuchinda Block in Sambalpur District.

Sir,

In inviting a kind reference to the subject cited above, it is to inform that the above proposal has been examined as per Ministry guideline vide letter No-RO/BBSR/UTILITY Services/NH-49/JSG/83/2024-2208 dt. 02.02.2024 and found to be in order.

As such, the above proposal along with inspection report is submitted herewith for further necessary action.

Encl:- As above

Yours faithfully,

[Signature]
02.09.25

Superintending Engineer
N.H. Division, Deogarh.

[Signature]
3/9/25

(2)
Memo No. 1948 Dt. 4.9.2025

Copy submitted to the Chief Engineer, N.Hs (O) Bhubaneswar/ Chief Construction Engineer, N.H. Circle, Keonjhar for favour of kind information and necessary action.

[Signature]
03.09.25

Superintending Engineer
N.H. Division, Deogarh.

[Signature]
3/9/25

Please name

[Signature]
10/9

[Signature]

INSPECTION REPORT

Certified that we have inspected the proposed location for the work, Execution of Individual rural piped water supply scheme for all 215 villages under Tileibani Block along with provision of supply of treated bulk water to 5.5 MLD for Deogarh Town, 15 GPs of Jamankira Block & 04 GPs of Kuchinda Block in Sambalpur District, where RWSS Division, Deogarh has proposed for laying of underground water supply pipeline along and across NH-53. The details of chainages are as follows and as proposed, the underground pipeline along the NH will be laid at a depth of 1.50 Mtr. below natural ground level and the road crossings across the NH will be laid at a depth of 2.50 Mtr. below road level.

(A) For NH-53 -

(a) NH-53 Chainage Details for Along the Road (under Tileibani Block)

Sl. No.	Chainage Along NH-53		Length in Mtr	Side	Av. ROW available in Mtr.	Methodology (Open Trench/ HDD)	Dia. Of proposed utility/ casing in mm.	Width of Open Trench
	From	To						
1	175.800	180.550	4750	RHS	12	Open Trench	100mm, 125 mm, 110 mm & 90 mm.	650 mm
2	180.550	182.200	1650	RHS	12	Open Trench	125 mm.	650 mm
3	182.200	183.100	900	RHS	8	Open Trench	110 mm.	300 mm
Total			7300					

(b) NH-53 Chainage Details for Road Crossing (under Tileibani Block)

Sl. No.	Chainage Across NH-53	Length in Mtr	Side	Av. ROW available in Mtr.	Methodology (Open Trench/ HDD)	Dia of Pipe	
1	175.800	25	-	26	HDD	600/1000mm	-
2	172.200	29	-	30	HDD	90/200mm	-
3	180.400	15	-	16	HDD	90/200mm	-
4	180.550	37	-	38	HDD	90/200mm	-
5	183.350	11	-	12	HDD	90/200mm	-
Total		117					

(B) For NH-49 -

(a) NH-49 Chainage Details for Along the Road (under Tileibani Block)

Sl. No.	Chainage Along NH-49		Length in Mtr	Side	Av. ROW available in Mtr.	Methodology (Open Trench/ HDD)	Dia. Of proposed utility/ casing in mm.	Width of Open Trench
	From	To						
1	335.820	342.650	6830	RHS	10	Open Trench	250 mm.	850 mm
2	342.650	346.600	3950	RHS	12	Open Trench	250 mm, 200 mm, 160 mm & 140 mm.	850 mm
3	346.600	346.800	200	LHS	16	Open Trench	125 mm.	850 mm
4	346.800	348.000	1200	LHS	12	Open Trench	110 mm.	300 mm
5	348.000	348.600	600	LHS	12	Open Trench	90 mm.	300 mm
6	349.000	350.900	1900	LHS	14	Open Trench	140 mm.	300 mm
7	350.900	351.234	334	LHS	16	Open Trench	160 mm.	300 mm
Total			15014					

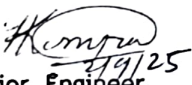
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(b) NH-49 Chainage Details for Road Crossing (under Tileibani Block)

Sl. No.	Chainage Across NH-49	Length in Mtr	Side	Av. ROW available in Mtr.	Methodology (Open Trench/ HDD)	Dia of Pipe	
1	335.820	9	-	10	HDD	250/450mm	-
2	339.400	9	-	10	HDD	100/200mm	-
3	345.000	9	-	10	HDD	90/200mm	-
4	345.400	17	-	18	HDD	90/200mm	-
5	346.000	19	-	20	HDD	90/200mm	-
6	346.250	19	-	20	HDD	90/200mm	-
7	346.350	19	-	20	HDD	90/200mm	-
8	346.600	15	-	16	HDD	125/300mm	-
	Total	116					

The proposal has been examined and site inspection carried out by the undersigned in presence of the agency of RW&SS. It is observed that the water pipelines are proposed to be laid beyond the toe line of embankment and the proposal satisfies the norms of Ministry's guideline issued vide letter no RW/NH-33044/29/2015/(R) dt.22.11.2016

The other relevant details shown during the inspection is enclosed for reference. Hence, it is recommended that the necessary permission may be given for laying of utility.


 Junior Engineer
 N.H. Section-I, Deogarh


 Assistant Executive Engineer
 N.H. Sub-division, Deogarh


 Superintending Engineer
 N.H. Division, Deogarh

Encloser to Site Inspection report for laying of Water Pipeline along & across NH

S.No	NH No	NH Chainage (from km to km)	Side of laying (LHS/RHS/ Crossing)	Available ROW (Avg) (Mtr.)	Width of Carriageways (in Mtr.)	Embarkment height (in mt.)	Dia of proposed utility including casing (in mm)	Methodology (Open Trench/HDD)	Depth of laying of utility from Ground Level	Width of trench (in case of open trench method)	Length of Pipe (Mtr)
1		175/800	Crossing	26	7	Avg. 2.5 Mtr	600 mm & 1000mm	HDD	2500 mm		7
2		177/200	Crossing	30	7	Avg. 1.5 Mtr	90 mm & 200mm	HDD	2500 mm		7
3		180/400	Crossing	16	7	Avg. 1 Mtr	90 mm & 200mm	HDD	2500 mm		7
4		180/550	Crossing	38	7	Avg. 1 Mtr	90 mm & 200mm	HDD	2500 mm		7
5	NH-53	183/350	Crossing	12	7	Avg. 1.5 Mtr	90 mm & 200mm	HDD	2500 mm		7
6		175/800 to 180/550	Along the Road (RHS)	12	7	Avg. 1 Mtr	100 mm, 125 mm, 110 mm & 90mm	Open Trench	1500 mm		4750
7		180/550 to 182/200	Along the Road (RHS)	12	7	Avg. 1 Mtr	125 mm	Open Trench	1500 mm		1650
8		182/200 to 183/100	Along the Road (RHS)	8	7	Avg. 1.5 Mtr	110 mm	Open Trench	1500 mm		900
9		346/600	Crossing	16	7	Avg. 1 Mtr	125 mm & 300mm	HDD	2500 mm		7
10		346/350	Crossing	20	7	Avg. 1 Mtr	90 mm & 200mm	HDD	2500 mm		7
11		346/250	Crossing	20	7	Avg. 1 Mtr	90 mm & 200mm	HDD	2500 mm		7
12		346/000	Crossing	20	7	Avg. 1 Mtr	90 mm & 200mm	HDD	2500 mm		7
13		345/400	Crossing	18	7	Avg. 1 Mtr	90 mm & 200mm	HDD	2500 mm		7
14		345/000	Crossing	10	7	Avg. 1.5 Mtr	90 mm & 200mm	HDD	2500 mm		7
15		339/400	Crossing	10	7	Avg. 1 Mtr	100 mm & 200mm	HDD	2500 mm		7
16	NH-49	335/820	Crossing	10	7	Avg. 1 Mtr	250 mm & 450 mm	HDD	2500 mm		7
17		350/900 to 351/300	Along the Road (LHS)	16	7	Avg. 1 Mtr	160 mm	Open Trench	1500 mm		400
18		349/000 to 350/900	Along the Road (LHS)	14	7	Avg. 1 Mtr	140 mm	Open Trench	1500 mm		1900
19		348/000 to 348/600	Along the Road (LHS)	12	7	Avg. 1.5 Mtr	90 mm	Open Trench	1500 mm		600
20		346/800 to 348/000	Along the Road (LHS)	12	7	Avg. 1 Mtr	110 mm	Open Trench	1500 mm		1200
21		346/600 to 346/800	Along the Road (LHS)	16	7	Avg. 1 Mtr	125 mm	Open Trench	1500 mm		200
22		342/650 to 346/600	Along the Road (RHS)	12	7	Avg. 1 Mtr	250 mm, 200 mm, 160 mm & 140 mm	Open Trench	1500 mm		3950
23		335/820 to 342/650	Along the Road (RHS)	10	7	Avg. 1 Mtr	250 mm	Open Trench	1500 mm		6830

[Signature]
Assistant Engineer
R.W.S. & S. Section
Tileibani

[Signature]
Superintending Engineer
RW3 & S. Division, Deoghat

[Signature]
29/9/25

[Signature]
29/9/25

License fee & BG Calculation as per 17.04.2023 Circular for UMPES - RWSS, DGH
CALCULATION FOR UTILISED NH LAND AREA & LICENSE FEES & PERFORMANCE BANK GUARANTEE
 With ref. MORTH circular no RW-33044/29/2015/S&R dated 22nd November 2016
 Utilised NH land area = Outer diameter(or) width of the concerned utility line x length

Sl No.	Location	Crossing / Along street / Channel	Dia. of pipe (m)		Width of Trench	Dia of Casing	Length In (m)	Utilized Area in sqm.	Total Area In sqm.	Circle Rate (BMV) /Sq.m	Total area rate (Rs.)	Performance Bank Guarantee Calculation			
			4	5								<=0.3 m dia	>0.3 m but <=1 dia	>1m dia	Total length rate(Rs.)
1	Deogarh town UN-4	3 175.800 (NH-53)													
2	Deogarh town UN-5 Mohika Mohinipur	172.200 (NH-53)	0.600	1.000	26.00	15.600	15.60	4784.00	74,630.00	No	Yes	No			₹ 6,500.00
3	Bandhakhol	180.400 (NH-53)	0.090	0.200	30.00	2.700	2.70	4784.00	₹ 12,917.00	Yes	No	No			₹ 3,000.00
4	Bandhakhol	180.550 (NH-53)	0.090	0.200	16.00	1.440	1.44	54.00	₹ 78.00	Yes	No	No			₹ 1,600.00
5	Hadamunda	183.350 (NH-53)	0.090	0.200	38.00	3.420	3.42	54.00	₹ 185.00	Yes	No	No			₹ 3,800.00
6	Gopalpali	335.820 (NH-49)	0.090	0.200	12.00	1.080	1.08	272.00	₹ 294.00	Yes	No	No			₹ 1,200.00
7	Gopalpali	339.400 (NH-49)	0.250	0.450	10.00	2.500	2.50	22.00	₹ 55.00	No	Yes	No			₹ 2,500.00
8	Prabhasuni	345.000 (NH-49)	0.100	0.200	10.00	1.000	1.00	22.00	₹ 22.00	Yes	No	No			₹ 1,000.00
9	Prabhasuni	345.400 (NH-49)	0.090	0.200	10.00	0.900	0.90	54.00	₹ 49.00	Yes	No	No			₹ 1,000.00
10	Prabhasuni	346.000 (NH-49)	0.090	0.200	18.00	1.620	1.62	54.00	₹ 67.00	Yes	No	No			₹ 1,800.00
11	Prabhasuni	346.250 (NH-49)	0.090	0.200	20.00	1.800	1.80	54.00	₹ 97.00	Yes	No	No			₹ 2,000.00
12	Prabhasuni	346.350 (NH-49)	0.090	0.200	20.00	1.800	1.80	54.00	₹ 97.00	Yes	No	No			₹ 2,000.00
13	Prabhasuni	346.600 (NH-49)	0.125	0.300	16.00	2.000	2.00	54.00	₹ 108.00	Yes	No	No			₹ 1,600.00
Total Utilized NH Land area in sq.m.									37.66		₹ 88,716.00				₹ 30,000.00
For each crossing considering prevailing circle rate of land per unit area (sqm) as per Annexure															
Total amount for utilized land area (in Rs) as per the above table											₹ 88,716.00				
With ref. MORTH circular no NH-36094/01/2022-S&R (P&B), dated 17th April 2023 & With ref. MORTH circular no RW-33044/29/2015/S&R dated 22nd November 2016 :															
1. License fee (Rs./Years) for industrial utilities=Utilized NH land area x prevailing circle rate of land per unit area)x10% per annum for 5years i.e (11.15,009.00)x10% x5											₹ 44,358.00				
2. License fee (Rs./Years) for public utilities=Utilized NH land area x prevailing circle rate of land per unit area)x1.5% per annum subject to minimum Rs. 10,000 & annual increment of 6% for 5years i.e (10000 or (1115009.00)x1.5%) which ever is higher) x5.637											₹ 56,370.00				
3. Performance Bank Guarantee based on per route meter valid for 1 year initially as per rates given below															
With ref. MORTH circular no RW-33044/29/2015/S&R dated 22nd November 2016 :															
In ducts already provided = Rs. 50															
<=300 mm dia/width= Rs. 100															
>300mm dia /width but <=1000mm dia/width=Rs. 250															
>1000 mm dia/width=Rs. 500															
(Length of each crossing X Rate per meter of utility services such as pipes)															
Total Performance Bank Guarantee (in Rs) valid for 1 year initially but extendable till satisfactory completion of work															₹ 30,000.00

Junior Engineer Engineer,
N.H. section, Deogarh.

Assistant Executive Engineer,
N.H. Division, Deogarh.

Superintending Engineer,
N.H. Division, Deogarh.

License fee & BG Calculation as per 17.04.2023 Circular for UMPES - RWSS, DGH

CALCULATION FOR UTILISED NH LAND AREA & LICENSEE FEES & PERFORMANCE BANK GUARANTEE

With ref. MORTH circular no RW-33044/29/2015/S&R dated 22nd November 2016

Utilised NH land area = Outer diameter(or) width of the concerned utility line x length

License Fee Calculation

Performance Bank Guarantee Calculation

Sl No.	Location	Crossing / Along at Chainage	Dia. of Pipe (m)	Width of Trench	Dia of Casing	Length in (m)	Utilized Area in sqm.	Total Area in sqm.	Circle Rate (BMV) /Sq.m	Total area rate (Rs.)	<=0.3 m dia	>0.3 m but <=1 dia	>1m dia	Rate (Rs) per m	Total length rate(Rs.)
1	2	3	4		5	6	7		8	9	10	11	12	13	14
1	Deogarh town UN-4 Purunapani	175.800 to 176.089 (NH-53)	RHS -	0.100	0.650	289.00	28.900	28.90	4784.00	₹ 1,38,258.00	Yes	No	No	₹ 100.00	₹ 28,900.00
2	Deogarh town UN-5 mohika Mohinipur	176.089 to 177.776 (NH-53)	RHS -	0.100	0.650	1687.00	168.700	168.70	3887.00	₹ 6,55,737.00	Yes	No	No	₹ 100.00	₹ 1,68,700.00
3	Deogarh town UN-5 mohika Mohinipur	177.776 to 179.508 (NH-53)	RHS -	0.100	0.650	1732.00	173.200	173.20	3887.00	₹ 6,73,228.00	Yes	No	No	₹ 100.00	₹ 1,73,200.00
4	Katei	179.508 to 179.900 (NH-53)	RHS -	0.090	0.650	392.00	35.280	35.28	54.00	₹ 1,905.00	Yes	No	No	₹ 100.00	₹ 39,200.00
5	Bandhakhol	180.000 to 180.550 (NH-53)	RHS -	0.090	0.650	550.00	49.500	49.50	54.00	₹ 2,673.00	Yes	No	No	₹ 100.00	₹ 55,000.00
6	Bandhakhol	180.550 to 180.800 (NH-53)	RHS -	0.125	0.650	250.00	31.250	31.25	54.00	₹ 1,688.00	Yes	No	No	₹ 100.00	₹ 25,000.00
7	Masinara	180.800 to 182.200 (NH-53)	RHS -	0.125	0.650	1400.00	175.000	175.00	272.00	₹ 47,600.00	Yes	No	No	₹ 100.00	₹ 1,40,000.00
8	Hadamunda	182.200 to 183.100 (NH-53)	RHS -	0.110	0.650	900.00	99.000	99.00	272.00	₹ 26,928.00	Yes	No	No	₹ 100.00	₹ 90,000.00
9	Bijadihi,Jodikhole, Gopalipali	335.820 to 342.650 (NH-53)	RHS -	0.250	0.650	6830.00	1707.500	1707.50	22.00	₹ 37,565.00	Yes	No	No	₹ 100.00	₹ 6,83,000.00
10	Karadakhaman	342.440 to 344.200 (NH-49)	RHS -	0.200	0.650	1760.00	352.000	352.00	54.00	₹ 19,008.00	Yes	No	No	₹ 100.00	₹ 1,76,000.00
11	Prabhasuni	344.200 to 346.150 (NH-49)	RHS -	0.160	0.850	1950.00	312.000	312.00	54.00	₹ 16,848.00	Yes	No	No	₹ 100.00	₹ 1,95,000.00
12	Prabhasuni	346.150 to 346.600 (NH-49)	RHS -	0.140	0.850	450.00	63.000	63.00	54.00	₹ 3,402.00	Yes	No	No	₹ 100.00	₹ 45,000.00
13	Prabhasuni	346.600 to 346.800 (NH-49)	RHS -	0.125	0.850	200.00	25.000	25.00	54.00	₹ 1,350.00	Yes	No	No	₹ 100.00	₹ 20,000.00
14	Prabhasuni	346.800 to 348.000 (NH-49)	LHS -	0.110	0.300	1200.00	132.000	132.00	54.00	₹ 7,128.00	Yes	No	No	₹ 100.00	₹ 1,20,000.00
15	Prabhasuni	348.000 to 348.600 (NH-49)	LHS -	0.090	0.300	600.00	54.000	54.00	54.00	₹ 2,916.00	Yes	No	No	₹ 100.00	₹ 60,000.00
16	Prabhasuni	349.000 to 349.100 (NH-49)	LHS -	0.140	0.300	100.00	14.000	14.00	54.00	₹ 756.00	Yes	No	No	₹ 100.00	₹ 10,000.00
17	Bargadia	349.100 to 350.200 (NH-49)	LHS -	0.140	0.300	1100.00	154.000	154.00	272.00	₹ 41,888.00	Yes	No	No	₹ 100.00	₹ 1,10,000.00
18	Tileibani	350.200 to 350.900 (NH-49)	LHS -	0.140	0.300	700.00	98.000	98.00	870.00	₹ 85,260.00	Yes	No	No	₹ 100.00	₹ 70,000.00
19	Tileibani	350.900 to 351.300 (NH-49)	LHS -	0.160	0.300	400.00	64.000	64.00	870.00	₹ 55,680.00	Yes	No	No	₹ 100.00	₹ 40,000.00
Total Utilized NH Land area in sq.m.							3736.33			₹ 18,19,818.00					₹ 22,49,000.00

For each crossing considering prevailing circle rate of land per unit area (sqm) as per Annexure			
Total amount for utilized land area (in Rs) as per the above table			
With ref. MORTH circular no NH-36094/01/2022-S&R (P&B), dated 17th April 2023 & with ref. MORTH circular no RW-33044/29/2015/S&R dated 22nd November 2016 :			
1. License fee (Rs./5Years) for industrial utilities=Utilized NH land areaX prevailing circle rate of land per unit areaX10% per annum for 5years i.e (11,15,009.00)X10% $\times$ 5		₹ 9,09,909.00	
2. License fee (Rs./5Years) for public utilities=Utilized NH land areaX prevailing circle rate of land per unit areaX1.5% per annum subject to minimum Rs. 10,000 & annual increment of 6% for 5years i.e (10000 or (1115009.00)X1.5%) which ever is higherX5.637		₹ 1,53,875.00	
3. Performance Bank Guarantee based on per route meter valid for 1 year initially as per rates given below			
With ref. MORTH circular no RW-33044/29/2015/S&R dated 22nd November 2016 :			
In ducts already provided = Rs.50			
<= 300 mm dia./width= Rs. 100			
>300mm dia./width but <=1000mm dia./width=Rs. 250			
>1000 mm dia./width=Rs. 500			
(Length of each crossing X Rate per meter of utility services such as pipes)			
Total Performance Bank Guarantee (in Rs) valid for 1 year initially but extendable till satisfactory completion of work			
			₹ 22,49,000.00

Junior Engineer, Engineer,
N.H. section, Deogarh.

Assistant Executive Engineer,
N.H. Division, Deogarh.

Superintending Engineer,
N.H. Division, Deogarh.