

भारत सरकार
सडक परिवहन और राजमार्ग मंत्रालय
क्षेत्रीय कार्यालय, भुवनेश्वर
प्लॉट संख्या - 184 (फायर स्टेशन चौक के पास)
वरमुन्डा, भुवनेश्वर-751003
दूरभाषा : (0674) 2960994 & 2952994
ई-मेल : robbsr.morth@gmail.com



Government of India
Ministry of Road Transport & Highways
Regional Office, Bhubaneswar
Plot No. - 184 (Near Fire Station Square)
Baramunda, Bhubaneswar-751003
Ph. No.: (0674) 2960994 & 2952994
E-mail: robbsr.morth@gmail.com

No. RO/BBSR/Utility Services/NH-57/EEBBS/78/2023 -2429

Date: 15th Mar, 2024

Invitation of Public Comments

Sub: Permission for laying of water supply pipelines from km 225/750 to km 232/164 (RHS), km 239/670 to km 248/557 (LHS) and 6 nos crossings on NH-57 for rural piped water supply project in the district of Nayagarh - reg.

1. Executive Engineer, NH Division, Bhubaneswar vide letter dated 29.01.2024 has submitted a proposal on the above mentioned subject as detailed below:

Along the NH:

| Sl. No. | Chainage from km to km | Available RoW (In mt) | Width of carriageway | Dia of pile (In mm) | Total length (In km) | Methodology |
|---------|--------------------------------|-----------------------|----------------------|---------------------|----------------------|-------------|
| 1 | Km 225.750 to km 232.164 (RHS) | 20.0 m | 10.0 m | 250 mm | 6.414 | Open trench |
| 2 | Km 239.670 to 248.557 (LHS) | 20.0 m | 10.0 m | 250 mm | 0.660 | Open trench |

Across the NH:

| Sl. No. | NH Chainage | Available RoW (in mt) | Dia of Pipe (In mm) | Width of carriageway (in mt) | Depth of laying of utility from GL | Methodology |
|---------|-------------|-----------------------|---------------------|------------------------------|---|-------------|
| 1 | 232/164 | 20.0 m | 250 mm | 10.0 m | The pipeline is proposed to be laid at 1.45 m below the Ground level through HDD method | HDD |
| 2 | 239/670 | 20.0 m | 250 mm | 10.0 m | | HDD |
| 3 | 240/668 | 20.0 m | 250 mm | 10.0 m | | HDD |
| 4 | 243/529 | 20.0 m | 250 mm | 10.0 m | | HDD |
| 5 | 244/546 | 20.0 m | 250 mm | 10.0 m | | HDD |
| 6 | 248/557 | 20.0 m | 250 mm | 10.0 m | | HDD |

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 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:

Regional Officer,
Ministry of Road Transport & Highways,
Plot No -184, Infront of CRPF Stadium,
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"

Q: 1.500 LPM
100 mm Ø D.I-K7
L: 214.420 m

J-104

Q: 1.624.279 LPM
200 mm Ø D.I-K7
L: 617 m

J-93

Q: 2.067.629 LPM
250 mm Ø D.I-K9
L: 4.420 m

J-75

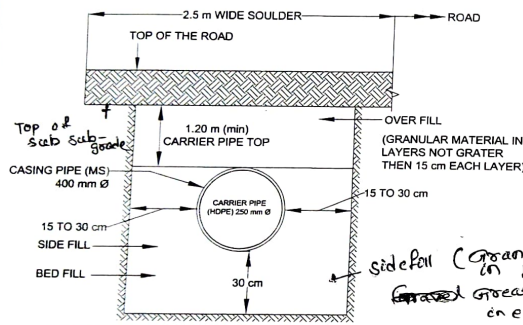
J-71
J-72

Q: 2.067.629 LPM
250 mm Ø D.I-K9
L: 483 m

Q: 2.144.909 LPM
250 mm Ø D.I-K9
L: 48 m

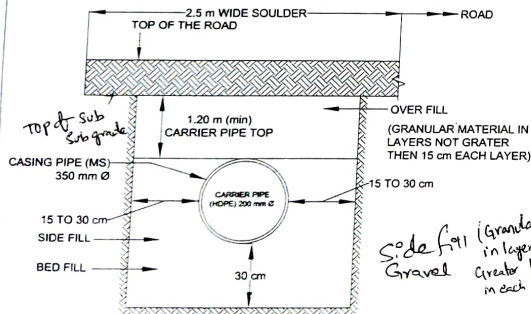
| START | END | LENGTH (Meter) | CARRIER PIPE DIA (mm) | CASING PIPE DIA (mm) |
|-------|-------|----------------|-----------------------|----------------------|
| J-72 | J-71 | 48 m | 250 mm | 400 mm |
| J-71 | J-75 | 483 m | 250 mm | 400 mm |
| J-75 | J-93 | 4.420 m | 250 mm | 400 mm |
| J-93 | J-104 | 617 m | 200 mm | 350 mm |
| J-104 | J-72 | 5.554 m | 100 mm | 250 mm |

SITE PLAN



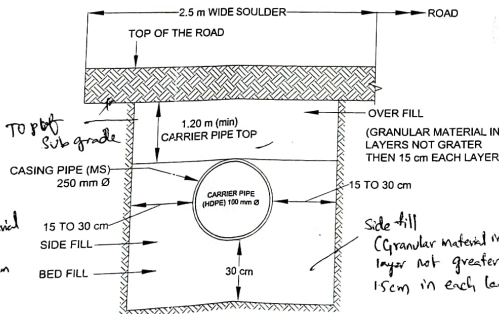
(GRANULAR MATERIAL FREE FROM LUMPS, COLDS AND CABLES)

NH ALONG THE ROAD SECTION DETAIL FOR 250 DIA HDPE PIPE



(GRANULAR MATERIAL FREE FROM LUMPS, COLDS AND CABLES)

NH ALONG THE ROAD SECTION DETAIL FOR 200 DIA HDPE PIPE



(GRANULAR MATERIAL FREE FROM LUMPS, COLDS AND CABLES)

NH ALONG THE ROAD SECTION DETAIL FOR 100 DIA HDPE PIPE

| JUNCTION REPORT | | | | | | | |
|-----------------|-------|----------------|---------------|-----------|-------------------|------------|--------------|
| Sl.no | Label | Demand (l/min) | Elevation (m) | H.G.L (m) | Pressure Head (m) | X (m) | Y (m) |
| 1 | J-71 | 0 | 81.608 | 163.238 | 81.63 | 297,241.26 | 2,230,287.80 |
| 1 | J-72 | 0 | 81.416 | 163.132 | 81.72 | 297,194.72 | 2,230,297.31 |
| 1 | J-75 | 0 | 82.963 | 162.124 | 79.16 | 296,724.31 | 2,231,936.42 |
| 1 | J-93 | 0 | 88.808 | 152.916 | 64.11 | 292,364.21 | 2,230,656.82 |
| 1 | J-104 | 0 | 91.127 | 150.479 | 59.35 | 291,817.06 | 2,230,918.45 |

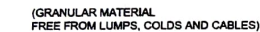
PROPOSED (M.S) CASING PIPE LAYING ALONG THE ROAD CARRIER PIPE UNDER THE NH ROAD AT KM 7.622 km BTW J72 TO J104 UNDER RURAL PIPED WATER SUPPLY PROJECTS PERTAINING TO NAYAGARH DISTRICT.

SCALE:- NOT TO SCALE

SUBMITTED BY - RWS S

DRAWING FOR APPROVAL

Superintending Engineer
NHDD, Bhubaneswar



The diagram illustrates the cross-section of a road culvert. At the top, a 2.5 m wide soulder is shown on either side of the road. The road surface is labeled 'TOP OF THE ROAD'. Below the road, the culvert structure is shown. The culvert pipe is labeled 'CARRIER PIPE (HOPE) 350 mm Ø'. The pipe is surrounded by 'OVER FILL' (granular material in layers not grater than 15 cm each layer). The casing pipe is labeled 'CASING PIPE (MS) 500 mm Ø'. The side fill is labeled 'SIDE FILL' and the bed fill is labeled 'BED FILL'. The dimensions are as follows: 1.20 m (min) for the carrier pipe top, 15 to 30 cm for the side fill, 30 cm for the bed fill, and 15 to 30 cm for the over fill. Handwritten notes include 'top of sub-grade' and 'Side fill (Granular material in layers not grater than 15 cm each layer)'.

ROAD

2.5 m WIDE SOULDER

TOP OF THE ROAD

1.20 m (min) CARRIER PIPE TOP

OVER FILL (GRANULAR MATERIAL IN LAYERS NOT GRATER THEN 15 cm EACH LAYER)

CASING PIPE (MS) 500 mm Ø

15 TO 30 cm SIDE FILL

30 cm BED FILL

15 TO 30 cm

15 TO 30 cm

15 TO 30 cm SIDE FILL

BED FILL

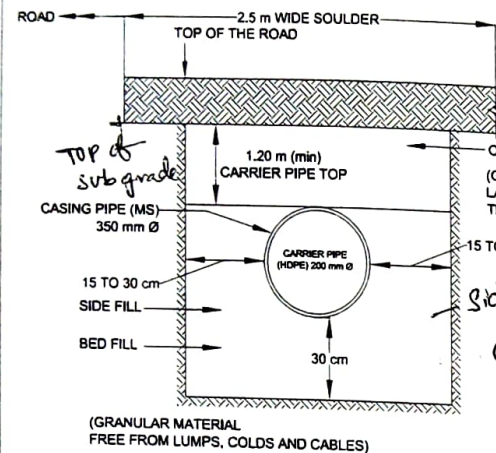
CARRIER PIPE (HOPE) 350 mm Ø

Handwritten notes: top of sub-grade, Side fill (Granular material in layers not grater than 15 cm each layer)

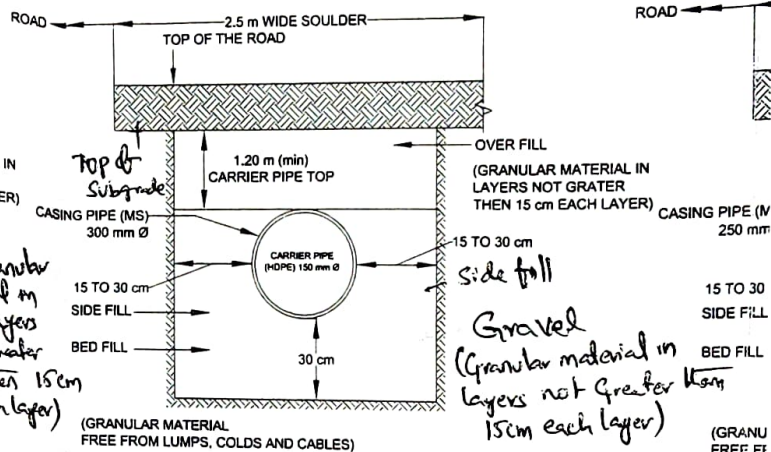
(GRANULAR MATERIAL
FREE FROM LUMPS, COLDS AND CABLES)

(GRAND
FREE F

Superintending Engineer
N.H. Division, Bhubaneswar



NH ALONG THE ROAD SECTION DETAIL FOR 200 DIA HDPE PIPE

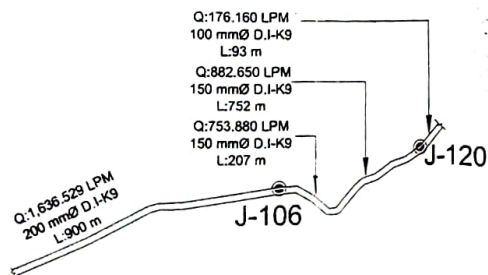


NH ALONG THE ROAD SECTION DETAIL FOR 150 DIA HDPE PIPE

NH ALON

| JUNCTION REPORT | | | | | | |
|-----------------|-------|----------------|---------------|-----------|-------------------|--------------|
| Sl.no | Label | Demand (L/min) | Elevation (m) | H.G.L (m) | Pressure Head (m) | X (m) |
| 1 | J-106 | 0 | 66.129 | 150.392 | 84.26 | 309.297.67 |
| 2 | J-120 | 0 | 62.645 | 146.494 | 83.85 | 2,229,250.86 |
| | | | | | | 2,229,414.34 |

| START | END | LENGTH (Meter) | CARRIER PIPE DIA(mm) | CASING PIPE DIA (mm) |
|-------|-------|----------------|----------------------|----------------------|
| - | J-106 | 900 m | 200 mm | 350 mm |
| J-106 | J-120 | 959 m | 150 mm | 300 mm |
| J-120 | - | 93 m | 100 mm | 250 mm |



SITE PLAN

PI
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N

SC
SL
DF

Enclosure 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 | Width of Carriageway (in mtr) | Embankment height (in mtr) | 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) |
|-------|--------|-----------------------------|-----------------------------------|---------------|-------------------------------|----------------------------|--|-------------------------------|--|---|
| 1 | NH-57 | 225.750 to 232.164 | RHS | 20.00 (AV) | 10 mtr | 2.5 mtr (AV) | 250 mm | Open Trench | 1450 mm | 450 mm |
| 2 | | 239.670 to 248.557 | LHS | 20.00 (AV) | 10 mtr | 4 mtr (AV) | 250 mm | Open Trench | 1450 mm | 450 mm |
| 3 | | 232.164 | Crossing | 20.00 (AV) | 10 mtr | 4 mtr (AV) | 250 mm | HDD | 1450 mm | |
| 4 | | 239.67 | Crossing | 20.00 (AV) | 10 mtr | 2 mtr (AV) | 250 mm | HDD | 1450 mm | |
| 5 | | 240.668 | Crossing | 20.00 (AV) | 10 mtr | 2 mtr (AV) | 250 mm | HDD | 1450 mm | |
| 6 | | 243.529 | Crossing | 20.00 (AV) | 10 mtr | 2.5 mtr (AV) | 250 mm | HDD | 1450 mm | |
| 7 | | 244.546 | Crossing | 20.00 (AV) | 10 mtr | 2.5 mtr (AV) | 250 mm | HDD | 1450 mm | |
| 8 | | 248.557 | Crossing | 20.00 (AV) | 10 mtr | 3 mtr (AV) | 250 mm | HDD | 1450 mm | |



[Signature]
BWSS-3
 Assistant Engineer
 N.H. Section
 Nayagarh

[Signature]
JE-NH
 Engineer
 N. H. Section, Nayagarh
 Nayagarh

[Signature]
SDO-NH
 Executive Engineer
 Sub-Division
 Nayagarh

[Signature]
SE-NH
 Division
 Bhubaneswar
 29/1