



# भारतीय राष्ट्रीय राजमार्ग प्राधिकरण

(सड़क परिवहन एवं राजमार्ग मंत्रालय, भारत सरकार)

## National Highways Authority of India

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

क्षेत्रीय कार्यालय (उत्तराखण्ड) - मकान नं०-58/37 बलबीर रोड़, देहरादून-248001

Regional Office (Uttarakhand) - House No.-58/37, Balbir Road, Dehradun-248001

दूरभाष/Phone : 0135-2669752 ई-मेल/E-mail : routtarakhand@nhai.org वेबसाइट/Website : www.nhai.gov.in



56063 /NHAI/RO-UKD/2014/ 20179

September 09, 2024

### Invitation of Public Comments

Sub:- Permission for laying of 75mm Ø, 140mm Ø & 160mm Ø water supply pipeline from Ch. 156+722 to Ch. 157+012 (LHS) (290m), from Ch. 156+743 to Ch. 157+007 (RHS) (264m) & Crossing at Ch. 156+762 at Village - Mandawali, Tehsil - Roorkee, District - Haridwar along NH-334 (Old NH-58). Total section length ROW applied for 554 Mtrs. in state of Uttarakhand.

The proposal regarding seeking permission by M/s Uttarakhand Peyjal Nigam, Roorkee for laying of 75mm Ø, 140mm Ø & 160mm Ø water supply pipeline from Ch. 156+722 to Ch. 157+012 (LHS) (290m), from Ch. 156+743 to Ch. 157+007 (RHS) (264m) & Crossing at Ch. 156+762 at Village - Mandawali, Tehsil - Roorkee, District - Haridwar along NH-334 (Old NH-58). Total section length ROW applied for 554 Mtrs. in state of Uttarakhand as submitted/recommended to this office by PD, PIU-Roorkee (Copy enclosed with checklist & drawings).

2. The proposed location for laying of water supply pipelines are tabulated hereunder:

S. N.	Chainage In Km.			NH	Length (in m)	Methodology of laying Pipeline in this stretch	Remarks
	From	To	Side				
1.	156+722	157+012	LHS	334	290	HDD method (Depth-1.60 m below Ground level)	Along the NH in Utility Corridor with Crossing
2.	156+743	157+007	RHS	334	264		

3. As per MoRTH Guidelines no. RW/NH-33044/29/2015&R(R) dated 22.11.2016, the Highway Administrator will make available the subject proposal for 30 days in the public domain for seeking public comments/objections (on the ground of public inconvenience, safety and general public interest).

In view of above, comments/objections of the public on the above proposal is invited to the below mentioned address, which should reach by this office within 30days from the date of uploading beyond which no comments shall be entertained.

The Regional Officer,  
Regional Office-Uttarakhand  
National Highways Authority of India  
(Ministry of Road, Transport & Highways)  
House No. -58/37, Balbir Road, Dehradun-248001.

Yours faithfully,

(Vishal Gupta)

C.G.M (Tech) cum RO-Uttarakhand

Encl: As above.

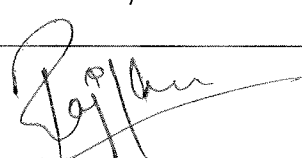
Copy to:

- 1) Web Admin-NHAI HQ, New Delhi:- with request for uploading on the NHAI website.
- 2) Senior Technical Director, NIC, Transport Bhawan, New Delhi:- with request for uploading on the Ministry's Website.
- 3) PD, PIU-Roorkee- for information & suitable necessary action.

## CHECK - LIST

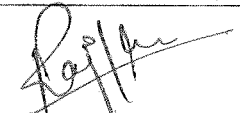
Check list for getting approval for Water Supply Pipeline laid on NH Land

Sr. No.	Item	Information/Remarks Status
1	General information	
1.1	Name and address of the applicant/Agency	Executive Engineer, PIU (Amrut) -Uttarakhand Peyjal Nigam, Near Railway Station, Roorkee, District - Haridwar
1.2	National Highway Number	NH-334 (Old NH 58)
1.3	State	Uttarakhand
1.4	Location	Mandawali, Tehsil - Roorkee
1.5	(Chainage in Km.)	Ch. 156+722 to Ch. 157+012 (LHS), From Ch. 156+743 to Ch. 157+007 (RHS) & Crossing at Ch. 156+762
1.6	Length in Meters	290m (LHS), 264m (RHS) Total 554m
1.7	Width of available ROW	60m
	(a) Left side from centre line towards increasing chainage/km direction	30m
	(b) Right side from centre line towards increasing chainage/Km. direction	30m
1.8	proposal to lay underground water supply Pipeline.	
	(a) Left side from centre line towards increasing chainage/km direction	from Ch. 156+722 to Ch. 157+012
	(b) Right side from centre line towards increasing chainage/Km. direction	from Ch. 156+743 to Ch. 157+007
1.9	Proposal to acquire land	No
	(a) Left side from centre line	NA
	(b) Right side from centre line	NA
1.10	Whether proposal in the same side where land is not to be acquired	Yes
	If not then where to lay the pipeline.	As per Drawing
1.11	Details of already laid services, if any, along the proposed route	NO
1.12	Number of lanes (2/4/6/8 lanes) existing	4 - Lanes
1.13	Proposed Number of lanes (2 lane with paved shoulders 6/8 lanes)	4 - Lanes
1.14	Service Road existing or no:	Yes
	If yes then which side	
	(a) Left side from centre line	As per Drawing
	(b) Right side from centre line	As per Drawing
1.15	Proposed Service Road	No
	(a) Left side from centre line	NA
	(b) Right side from centre line	NA
1.16	The permission for laying of water supply pipeline shall be considered for approval/rejection based on the Ministry Circulars Mentioned as above	Yes

  
राजकुमार पाण्डेय/Rajkumar Pandey  
प्रबंधक (तकनीकी) / Manager (Tech.)  
भारतीय राष्ट्रीय राजमार्ग प्राधिकरण  
National Highway Authority of India

  
परियोजना निदेशक / Project Director  
भारतीय राष्ट्रीय राजमार्ग प्राधिकरण  
National Highways Authority of India  
अमृत / Amrut  
रूड़की / Roorkee  
PIU (Amrut) Roorkee

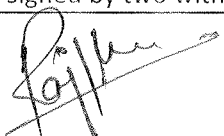
	(a) Carrying on sewage/gas pipeline on highway bridges shall not be permitted as fumes/gases pipes can accelerate the process of corrosion or may cause explosions thus being much more injurious than leakage of water.	NA
	(b) Carrying of water pipelines on bridges shall not be discouraged However, if the water supply authorities seem to have no other viable alternative and approach the highway authority well in time before the design of the bridge is finalized they may be permittee to carry the pipeline on independent superstructure, supported on extended portions of piers and abutments in such a manner that in the final arrangement enough free space around the superstructure of the bridge remains available or inspection and repairs etc.	NA
	(c) Cost of required extension of the substructure as well as that of the supporting superstructure shall be borne by the agency -in-charges of the utilities.	Yes
	(d) Services are not being allowed indiscriminately on the parapet any part of the bridges Safety of the bridges has to be kept in view while permitting various services along bridge. Approvals are to be accorded in this regard with the concurrence of the Ministry's project Chief Engineers only.	Yes
1.17	If crossings of the road involved  If Yes, it shall be either encased in pipes or through structure or conduits specially built for that purpose at the expenses of the agency owning the line	N.A.
	(a) Existing drainage structures shall not be allowed to carry the lines.	N.A.
	(b) Is it on a line normal to.NH-334 (Old NH-58)	Yes
	(c) Crossings shall not be too near the existing structures on the National highway, the minimum distance being 15 meter. What is the distance from the existing structures	N.A.
	(d) The casing pipe (or conduit pipe in the case of electric cable) carrying the utility line shall be of steel, cast iron, or reinforced cement concrete and have adequate strength and be large enough to permit ready withdrawal of the carrier pipe/cable.	N.A.
	(e) Ends of the casing/conduit pipe shall be sealed from the outside, so that it does not act as a drainage path	N.A.
	(e) The casing/conduit pipe should as minimum extend from drain to drain in cuts and be of slope in the fills	N.A.
	(g) The top of the casing/conduit pipe should be at least 2 meters below the surface of the road subject to being at least 0.3 meter below the drain inverts.	N.A.
	(h) Crossing shall be by boring method (HDD) especially where the existing road pavement of cement concrete or dense bituminous concrete types	Yes
	(i) The casing/conduit pipe shall be installed with an even bearing throughout its length and in such a manner as to prevent the formation of a waterway along it.	N.A.
2	Document/Drawings enclosed with the proposal	Yes
2.1	Cross section showing the size of trench for open trenching method (It is normal size of 1.0 meter deep X 0.6 meter wide)	Yes

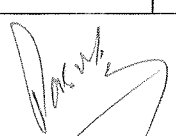
  
 राजकुमार पाण्डेय/Rajkumar Pandey  
 प्रबंधक (तकनीकी) / Manager (Tech.)  
 भारतीय राष्ट्रीय राजमार्ग प्राधिकरण

  
 Assistant Engineer  
 Uttarakhand Pwyl Nigam  
 PIU (Amroli), Roorkee


परियोजना निदेशक / Project Director  
 भारतीय राष्ट्रीय राजमार्ग प्राधिकरण  
 National Highways Authority of India  
 पी.आर.डी.ओ. रुड़की / PIU, Roorkee

	(i) Should not be greater than 60cm wider than the outer diameter of the pipe	Yes
	(ii) Located as close to the extremae edge of the right of way possible but not less than 15metre from, the centre lines of the nearest carriageway.	N.A.
	(iii) Shall not be permitted to route along the national highways when the road formation is situated in double cutting. Nor shall these be laid over the existing culverts and bridges.	N.A.
	(iv) These should be so laid that their top is at least 0.6 metre below the ground level so as not to obstruct drainage of the road land.	Yes
2.4	Methodology for laying of water supply pipeline	Enclosed
2.4.1	Open trenching method. (May be allowed in utility corridor only where pavement is neither cement concrete nor dense bituminous concrete type.) If yes. Methodology of refilling trench (a) The trench width should be at least 30cm but not more than 60 cm wider than the outer diameter of the pipe (b) For filling of the trench. Bedding shall be to a depth of not less than 30cm. It shall consist of granular material, material, free of lumps, clods and cobbles and graded to yield a firm surface without sudden change in the bearing value. Unsuitable soil and rock edged should be excavated and replaced by selected material (c) The Backfill shall be completed in two stage (i) side fill to the level of the top of the pipe and (ii) overfill to the bottom of the road crust. (d) . The side fill shall consist.of granular material laid.in 15 cm layers each consolidated by mechanical tampering and controlled addition of moisture to 95% of the Proctor's Density. Overfill shall be compacted to the same density as the material that had been removed. Consolidation by saturation or ponding will not be permitted. (e) The road crust shall be built to the same strength as the existing crust on either side of the trench. Care shall be taken to avoid the formation of a dip at the trench. (f) The excavation shall be protected by flagman, signs and barricades and red lights during nights hours (g) If required, as diversion shall be constructed at the expense of agency owning the utility line	HDD Method
2.4.2	Horizontal Directional Drilling (HDD) Method	Yes
2.4.3	Laying of Water supply pipeline through CD works and method of laying	N.A.
	(a) On approaches, the water mains/cables shall be carried along a line as close to the edge of the right-of-way as possible up-to a distance of 30 meter from the bridge and subject to all other stipulations contained in this Ministry's guidelines issued with letter No - Nil I-HI/P/66/76 dated - 19.11.1976	N.A.
3	Draft License Agreement signed by two witnesses	Enclosed

  
 राजकुमार पाण्डेय/Rajkumar Pandey  
 प्रबंधक (तकनीकी) / Manager (Tech.)  
 भारतीय राष्ट्रीय राजमार्ग प्राधिकरण  
 National Highway Authority of India  
 पी.ओ. बॉक्स - १० - रूड़की / PIU-Roorkee

  
 Assistant Engineer/परियोजना निदेशक / Project Director  
 उत्तराखण्ड पी.यू. (अमरु) / National Highway Authority of India  
 पी.ओ. बॉक्स - १० - रूड़की / PIU, Roorkee.

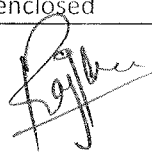
4	Security Deposit of Rs. 1,00,000/- per crossing of NH for a period of one year initially (extendable if required till satisfactory completion of work) as a security for ensuring/making good the excavated trench for laying the cables/ducts by proper filling and compaction clearing debris/loose earth produced due to execution of trenching at least 50 meter away from the edge of the right of way. No payment shall be payable by the NHAI to the licensee for clearing debris/loose earth	Yes
4.1	Performance BG as per above is to be obtained	To be submitted as per directions of NHAI
4.2	Confirmation of BG has been obtained as per MoRT&H guidelines	BG shall be submitted as per MoRTH Guidelines
5	Affidavit/undertaking from the applicant for	
5.1	Not to damage to other utility if damaged then to pay the losses either to NHAI or to the concerned agency	Enclosed
5.2	Confirming all standard condition of MoRT&H guideline	Enclosed
5.3	Shifting of Water/Gas supply pipeline as and when required by MoRT&H at their own cost	Enclosed
5.4	Shifting due to 6/8 lanning/widening of NH	Enclosed
5.5	Indemnity against all damages and claims clause (xxiv)	Enclosed
5.6	Traffic movement during laying of water/gas supply pipeline to be managed by the applicant	Enclosed
5.7	If any claim is raised by the Concessionaire then the same has to be paid by the applicant	Enclosed
5.8	prior approval of the NHAI shall be obtained before undertaking any work of installation shifting or repairs or alterations to the showing Water/Gas supply pipeline located in the National Highway right -of-ways.	Enclosed
5.9	Expenditure if any, incurred by NHAI for repairing any damage caused to the National Highway by the laying maintenance or shifting of the Water/Gas supply pipeline will be borne by the agency owning the line	Enclosed
5.10.	If the NHAI considers it necessary in future to move the utility line for any work of improvement or repairs to the road, it will be carried out as desired by the NHAI at the cost of the agency owning the utility line within a reasonable time (not exceeding 60 days) of the intimation given.	Enclosed
5.11	Certificate from the applicant in the following format	Enclosed
	(i) Laying of Water/Gas supply pipeline will not have any deleterious effects on any of the bridge components and roadway safety for traffic.	
	(ii) for 6/8 lanning "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/Eight - lanning or any other development"	
6	Who will sign the agreement on behalf of Water supply pipeline agency	Executive Engineer, PIU (Amrut), Uttarakhand Pevjal Nigam, Roorkee
7	Power of attorney to sign agreement available or not certificate from the project Director	N.A.


  
 राजकुमार पाण्डेय/Rajkumar Pandey  
 प्रबंधक (तकनीकी)/Manager (Tech.)  
 भारतीय राष्ट्रीय राजमार्ग प्राधिकरण  
 (Ministry of Road Transport and Highways)


  
 Associate Engineer  
 Uttarakhand Pevjal Nigam  
 PIU (Amrut), Roorkee

NA  
 परियोजना निदेशक / Project Director  
 भारतीय राष्ट्रीय राजमार्ग प्राधिकरण  
 (Ministry of Road Transport and Highways)  
 Authority of In-charge, PIU, Roorkee

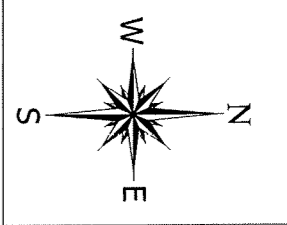
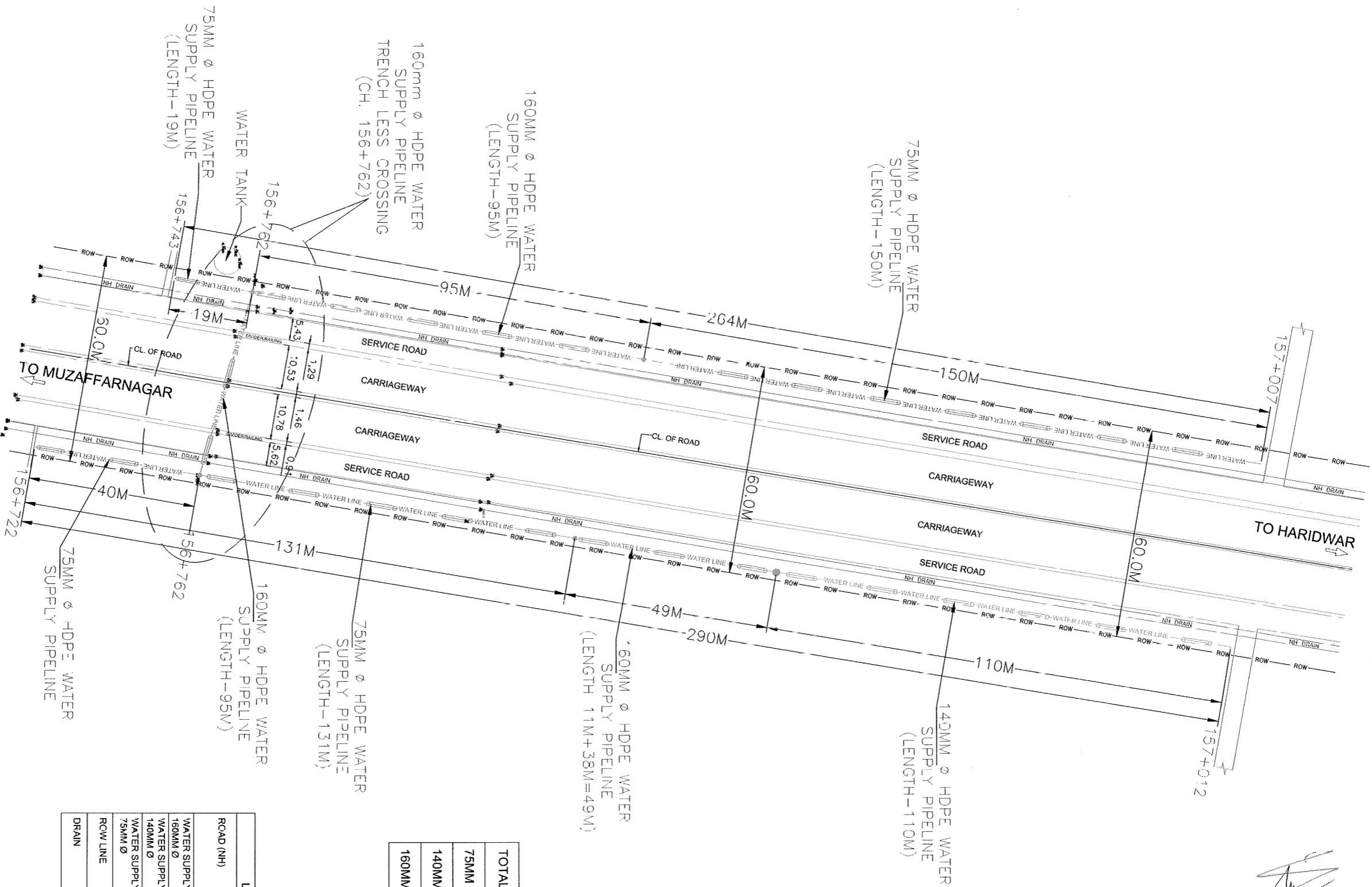
7.1	Certificate for confirming of all standard condition issued vide. Ministry Circular No - NH-41(58)/68 dated 31-1-1969. Ministry Circular No- NH-III/P/66/76 dated 18/19-11- 1976.Ministry Circular No- NH-RW/NH-III/P/66/76 dated - 11/05/1982 Ministry Circular No - RW/NH-11037/1/86 DOI (ii) dated - 28-07-1993. Ministry Circular No- RW/NH-11037/1/86/DOI dated 19-1-1995. Ministry Circular No - RW/NH-34066/2195 S&R dated 25-10-1999 and Ministry Circular No - RW/NH-34066/7/2003 S& R (B) dated - 17-9-2003	
7.2	Certificated from PD in the following format	NA
	(i) It is certified that any other location of the water/gas supply pipeline would be extremely difficult and unreasonable costly and the installation of Water/Gas supply pipeline within ROW will not adversely affect the design, stability & traffic safety of the highway nor the likely future improvement such as widening of the carriageway easing of curve etc.	NA
	(ii) for 6/8 - lanning	NA
	(a) Where feasibility is available "I do certify that there will be no hindrance to proposed six-lanning based on the feasibility report considering proposed structures at the said location	NA
	(b) In case feasibility report is not available "I do certify that sufficient ROW is available at site for accommodating proposed six-lanning".	NA
8	If NH section proposed to be taken up by NHAI on BOT basis- a clause is to be inserted in the agreement. The permitted highway on which Licensee has been granted the right of lay pipe/duct has also been granted as a right of way to the concessionaire under the concession agreement for up-gradation of (Muzaffarnagar-Haridwar section of NH-334 (Old NH 58), from CH. .... Km to ..... Km. on Build. Operate) and Transfer Basis and therefore, the licensee shall honor the same.	Yes
9	Who will supervise the work of laying or Water/Gas supply pipeline.	NHAI
10	Who will ensure that the defects in road portion after laying of water/gas supply pipeline are corrected and if not corrected then what action will be taken	NHAI
11	Who will pay the claims for damages done/disruption in working of Concessionaire if asked by the concessionaire	Executive Engineer, PIU (Amrut), Uttarakhand Peyjal Nigam, Roorkee
12	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)	Permission will be recorded, in register of records
13	If any previous approval is accordance for laying of underground Water/Gas supply pipeline then Photocopy of register of records of permission accorded as maintained by PD then copy be enclosed	NA

  
 राजकुमार पाण्डेय/Rajkumar Pandey  
 प्रबंधक (तक) / Manager (Tech.)  
 भारतीय राष्ट्रीय राजमार्ग प्राधिकरण  
 National Highway Authority of India  
 पी०आर०ई०यू०-रूड़की / PIU-Roorkee

  
 परियोजना निदेशक / Project Director  
 भारतीय राष्ट्रीय राजमार्ग प्राधिकरण  
 National Highways Authority of India

  
 Assistant Engineer  
 Uttarakhand Peyjal Nigam  
 PIU (Amrut) Roorkee

# WATER SUPPLY PIPELINE AT MANDAWALI



परियोजना निदेशक / Project Director  
 भारतीय राष्ट्रीय राजमार्ग प्राधिकरण  
 National Highways Authority of India  
 पी०आइ०यू० रूड़की / PIU, Roorkee.

*Executive Engineer*  
 P.I.U ( Amrut )  
 Uttarakhand Pepsal Jal Nigam  
 Roorkee

*Rajkumar Pandey*  
 राजकुमार पाण्डेय / Rajkumar Pandey  
 प्रबंधक (सक०) / Manager (Tech.)  
 भारतीय राष्ट्रीय राजमार्ग प्राधिकरण  
 National Highway Authority of India  
 पी०आइ०यू० रूड़की / PIU-Roorkee

TOTAL APPLIED LENGTH	
75MM Ø	300.0M
140MM Ø	110.0M
160MM Ø	144.0M

LEGENDS	
ROAD (NH)	
WATER SUPPLY PIPELINE 160MM Ø	
WATER SUPPLY PIPELINE 140MM Ø	
WATER SUPPLY PIPELINE 75MM Ø	
ROW LINE	
DRAIN	

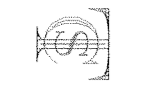
**CLIENT:-**

EXECUTIVE ENGINEER  
 PIU (AMRUT)  
 UTTARAKHAND PEPSAL NIGAM,  
 NEAR RAILWAY STATION,  
 ROORKEE

**TITLE:-**

LAYING OF PROPOSED WATER SUPPLY PIPELINE  
 ALONG NH-334 (OLD NH 58) FROM CH. 156+722  
 TO CH. 157+012, LHS (290M), FROM CH. 156+743  
 TO CH. 157+007, RHS (264M), & CROSSING AT KM  
 CH. 156+762 AT VILL.-MANDAWALI, DISTT.-HARIDWAR  
 TOTAL APPLIED LENGTH 554M

**PREPARED BY**

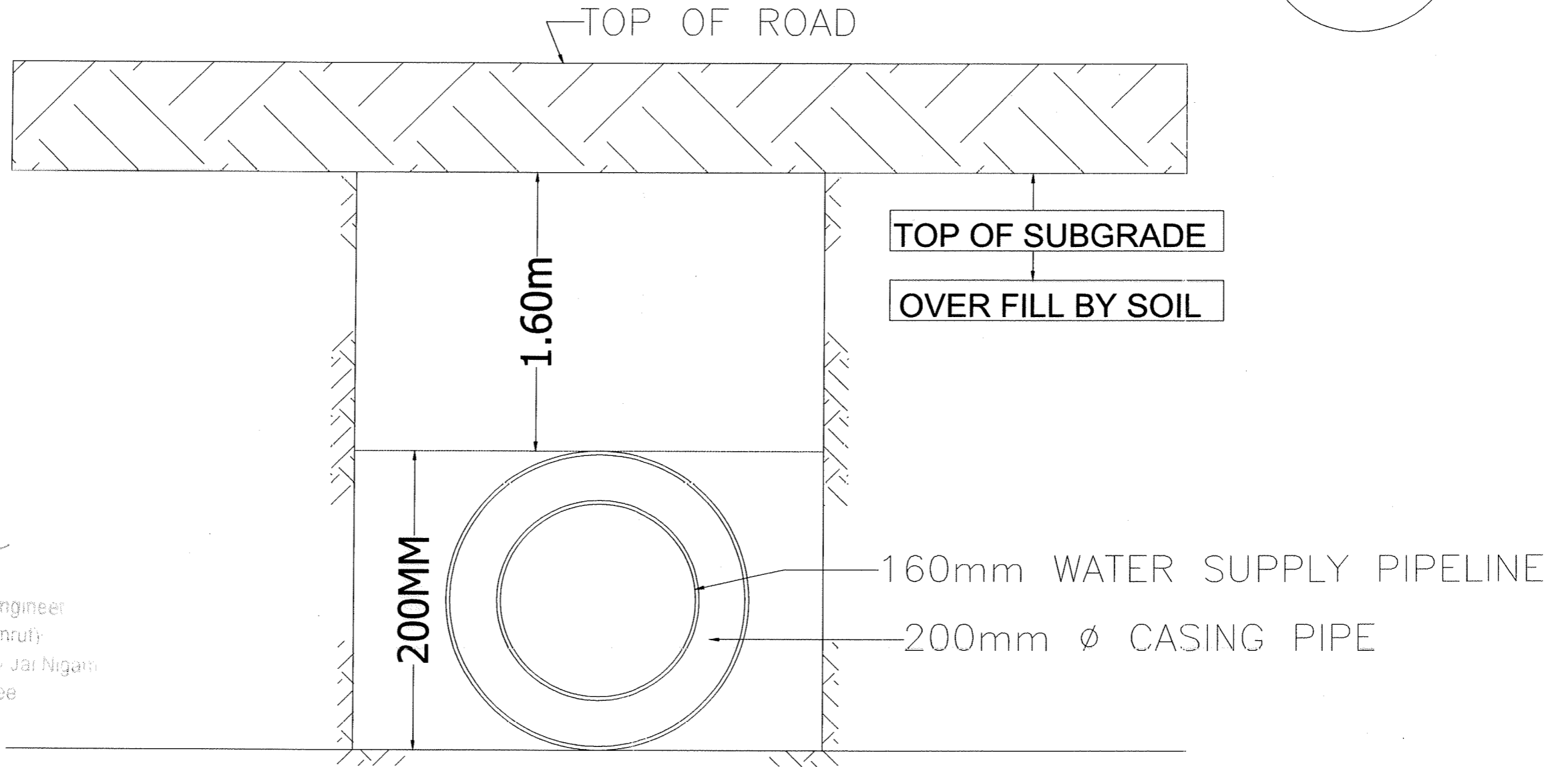


TECHNICAL CONSULTANCY SERVICES  
 REGD. OFF. 14-C, ARRAWALI ENCLAVE,  
 GMS ROAD DEHRADUN,  
 TEL. NO.: 0135-2720017, 2720018  
 e-mail : tcsdon@yahoo.com

EXECUTIVE ENGINEER PIU (AMRIT) UTTARAKHAND PEYJAL NIGAM - ROORKEE

LOCATION - VILLAGE - MANDAWALI, TEHSIL - ROORKEE,  
DISTRICT- HARIDWAR NH-334 (OLD NH 58)

3



*Signature*  
Executive Engineer  
P.I.U (Amrit)  
Uttarakhand Pey Jal Nigam  
Roorkee

*Signature*

राजकुमार पाण्डेय/Rajkumar Pandey  
प्रबंधक (तकनीकी) / Manager (Tech.)  
भारतीय राष्ट्रीय राजमार्ग प्राधिकरण  
National Highway Authority of India  
पी०आई०यू०-रूड़की / PIU-Roorkee

### INSTALLATION OF TRENCHLESS CASING PIPE FOR CROSSING THE ROAD

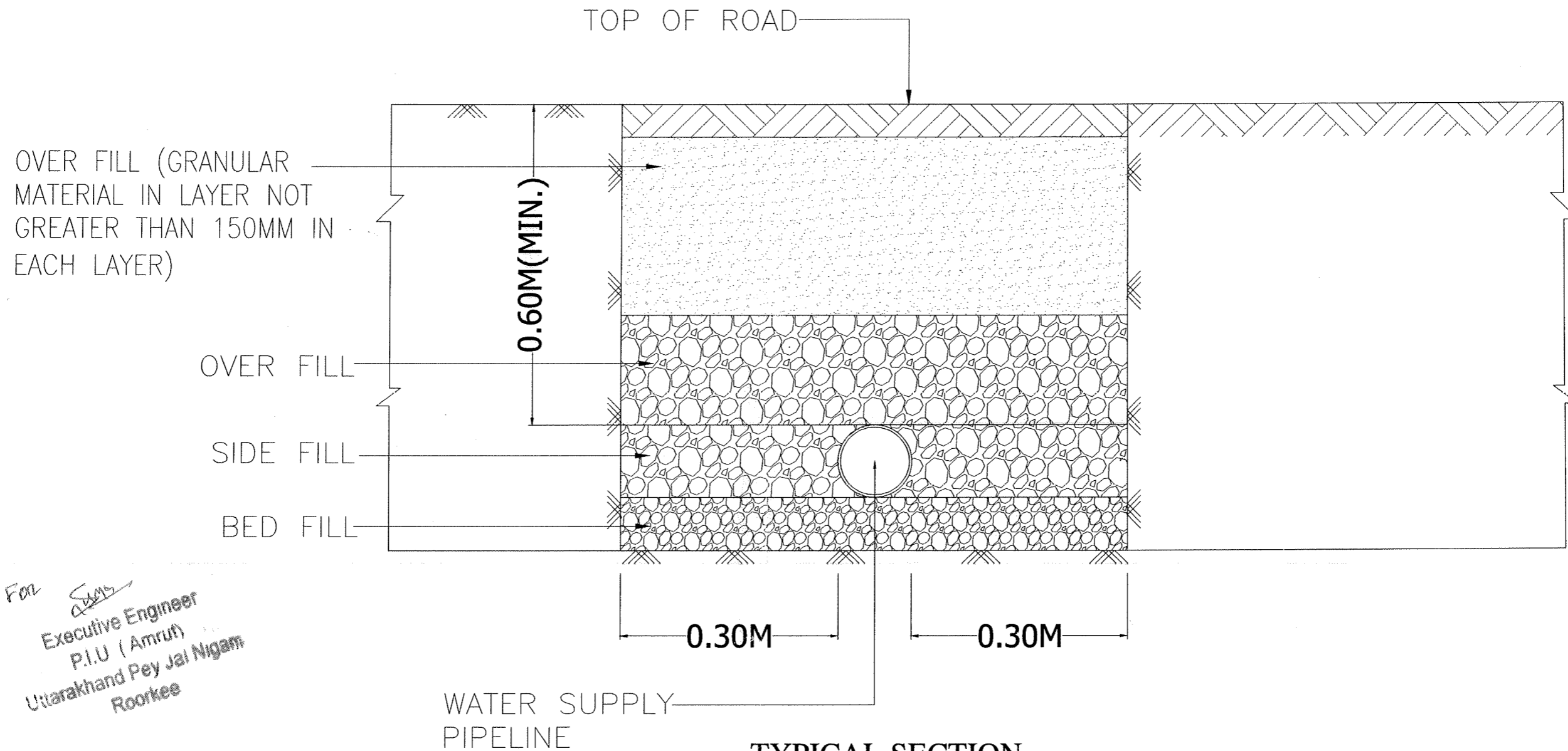
*Signature*  
परियोजना निदेशक / Project Director  
भारतीय राष्ट्रीय राजमार्ग प्राधिकरण  
National Highways Authority of India  
पी०आई०यू०-रूड़की / PIU, Roorkee.



EXECUTIVE ENGINEER PIU (AMRUT) UTTARAKHAND PEYJAL NIGAM - ROORKEE

LOCATION - VILLAGE - MANDAWALI, TEHSIL - ROORKEE,  
DISTRICT- HARIDWAR NH-334 (OLD NH 58)

2



**TYPICAL SECTION  
(PIPE LINE ALONG ROAD)**

For *S.P.*  
Executive Engineer  
P.I.U (Amrut)  
Uttarakhand Pey Jal Nigam  
Roorkee

*Rajkumar*  
राजकुमार पाण्डेय/Rajkumar Pandey  
प्रबंधक (तक0)/Manager (Tech.)  
भारतीय राष्ट्रीय राजमार्ग प्राधिकरण  
National Highway Authority of India  
पी.आर.ओ. रुड़की / PIU-Roorkee

*[Signature]*  
परियोजना निदेशक / Project Director  
भारतीय राष्ट्रीय राजमार्ग प्राधिकरण  
National Highways Authority of India  
पी.आर.ओ. रुड़की / PIU, Roorkee.