

No. RW/CH/PB/NH-21(205)/Km 28.600 to 71.500/NOC/1241/2018/991

Government of India
Ministry of Road Transport & Highways
Regional Office, Kendriya Sadan
6th floor, Sector- 9A, Chandigarh
Email: rochandigarh2010@gmail.com
Tel - (0172) 2740376; 2743228

Date: 21.05.2018

To

Senior Technical Director,
NIC, Transport Bhawan,
New Delhi-110001


Sub: Proposal for laying of 400mm dia pipe line on Kiratpur Sahib Manali of NH-21(205) from Km. 28.600 to Km. 71.500 in the State of Punjab.

Sir,

Kindly refer to NHAI, PIU- Mohali letter no. NHAI/PIU/MHL/11182/RO/PP/59 dated 09.05.2018 submitting therewith a proposal mentioned in subject above for consideration of this office. As per para-4 of Ministry's guidelines, the application so received will have to be put out in the public domain for 30 days for seeking claims and objections (on grounds of public inconvenience, safety and general public interest). In view of same please find enclosed herewith the details of proposal mentioned above. The competent Authority has decided to upload the instant proposal on the Ministry's website to invite public comments, if any, on the proposal within 30 days.

Copy enclosed: As above

Yours Faithfully,


Executive Engineer
For Highway Administration

To: All, It is requested to furnish the comments if any to the Regional Office, MoRTH, 6th Floor, Kendriya Sadan, Chandigarh-160001 or by email to rochandigarh2010@gmail.com.

(सड़क परिवहन एवम राजमार्ग मंत्रालय, भारत सरकार)

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

परियोजना कार्यान्वयन इकाई, मोहाली - प्लॉट संख्या-275 औद्योगिक क्षेत्र, फेस-9, मोहाली

PIU, Mohali, Plot No. 275, Industrial Area, Phase-9 Mohali-160062

Telephone: 0172-4731501, E-mail: mohalipiu@gmail.com

NHAI/PIU/MHL/11182/RO/PP 159

Dated: 09 May, 2018

To,

The Regional Officer

Highways Administration,
Ministry of Road, Transport & Highways,
Kendriya Sadan, 6th floor,
Sector-9A, Chandigarh

Sub: - 4 laning of **Kurali-Kiratpur** Section of NH-21 (New NH-205) from Km 28.600 to km 71.500 in the State of Punjab on DBFOT Basis under NHDP-Phase-III (Package No. NHAI/RO/CHD/11077/IE Appointment/BSC-C&C) - **Regarding permission for laying of 400mm dia pipe line on Kiratpur Sahib Manali NH**

Sir,

1. The Executive Engineer, W/S & Sanitation Division, Sri Anandpur Sahib vide their letter no. 2609 dated 12.04.2018 has applied for permission for laying of 400mm dia pipe line on Kiratpur Sahib Manali NH.
2. The proposal was forwarded to Independent Engineer M/s Unihornindia Pvt. Ltd. vide this office letter no. NHAI/PIU/MHL/11117/391 dated 17.04.2018 for examining who in turn vide their letter no. Unihorn/NHAI/NH-21//O&M/IE/2015/414 dated 02.05.2018 (copy enclosed) has recommended the same for consideration.
3. The proposal has also been examined at PIU level and generally found in order. Accordingly, the proposal submitted by the Executive Engineer, W/S & Sanitation Division, Sri Anandpur Sahib is submitted herewith duly recommended for conveying necessary approval.
4. The documents listed below are enclosed for processing at your end please.
 - a) Drawing showing the location & depth etc.
 - b) Requisite undertaking / Affidavits.
 - c) Checklist.
 - d) License Agreement.
 - e) Inspection report.
5. In view of the above, the proposal is submitted for according approval of the Competent Authority please.

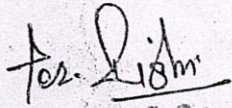
Yours faithfully,

(KL Sachdeva)
PD-cum-DGM (Tech)
NHAI, PIU- Mohali

प्रधान कार्यालय: जी-5 एवं 6, सैक्टर-10 द्वारका, नई दिल्ली-110075
Head Office: G-5&6, Sector-10, Dwarka, New Delhi - 110075

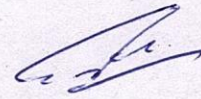
Certificates as per S. No. 7.1 of check list

Certificates that all standard conditions issued vide Ministry of Road and Highways Circular No. NH-III/P/66/76 dated 18/19.11.1976 RW/NH-III/P/66/76 dated 11.05.1982, RW/NH-11037/1/86-DOI (ii) dated 28.07.1993, RW/NH-11037/1/86/DOI dated 19.01.1995, RW/NH-34066/2/95/S&R dated 25.10.1999, Circular No. RW/NH-34066/7/2003 S&R (B) dated 17.09.2003 and Circular No. RW/NH-33044/29/2015S&R (R) dated 22.11.2016 have been complied with.



Unihorn India Private Ltd
Team Leader

Team leader



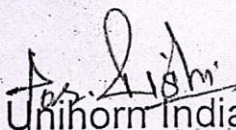
GM (Tech)-cum-PD

NHAI, PIU- Chandigarh

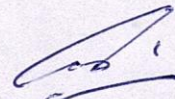
Certificates as per S. No. 7.2 of check list

i) It is certified that any other location of the Water Supply pipe line would be extremely difficult and unreasonable costly and the installation of water supply pipe line within ROW will not adversely affect the design, stability & traffic safety of the highway.

ii) Feasibility report for 6 laning not available. I do certify that sufficient ROW is available at site for accommodating proposed six-laning except from Km.40+650.



Unihorn India Pvt. Ltd
Team Leader

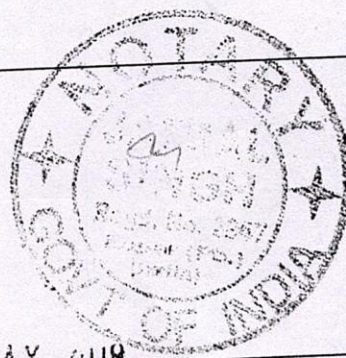


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NHAI, PIU- Chandigarh

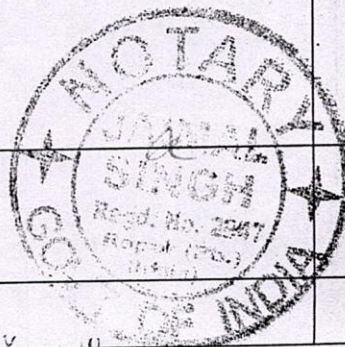
Checklist for getting approval for laying of water supply pipelines

S. No.	Item	Information/Status	Remarks
1	General Information		
1.1	Name and Address of the applicant/Agency	Executive Engineer, Punjab Water Supply and Sanitation Division Sri Anandpur Sahib.	
1.2	National Highway No.	205	
1.3	State	Punjab	
1.4	Location	ROAD CROSSING WATER SUPPLY LINE NEAR THE OLD BML BRIDGE ON KIRATPUR-MANALI N.H 205	
1.5	Chainage (in kms.)	71+010 MCW RH'S	
1.6	Length in mts.	25 mtr	
1.7	Width of Available Row	N/A	
	a) Left side from centre line towards increasing chainage /km direction.		
	b) Left side from centre line towards increasing chainage /km direction.		
1.8	Proposal to lay underground electrical Cable	N/A	
	a) Left side from centre line towards increasing chainage/km direction.		
	b) Right side from centre line towards increasing chainage/km direction.		
1.9	Proposal to acquire land	N/A	
	a) Left side from centre line		
	b) Right side from centre line		
1.10	Whether proposal is in the same side where land is not be acquired	N/A	
	If not then where to lay the cable		
1.11	Details of already laid services, if any, along the proposed route.	N/A	
1.12	Number of lanes (2/4/6/8 lanes) existing.	4	
1.13	Proposed number of lanes (2 lane with paved shoulders/4/6/8 lanes)	N/A	
1.14	Service road existing or not	N/A	
	If yes then which side		
	a) Left side from centre line		
	b) Right side from centre line		
1.15	Proposal Service Road	N/A	
	a) Left side from centre line		
	b) Right side from centre line		
1.16	Whether proposal to lay Water Supply Pipe line is after the service road or between the service road and main carriageway.	N/A	
1.17	The permission for laying of Water Supply Pipe Line shall be Considered for approval/ rejection based on the Ministry Circulars mentioned as above. (a) Carrying of sewage/gas pipelines on highway bridges shall not be permitted as Furnes/gases pipes can accelerate to process of	N/A	



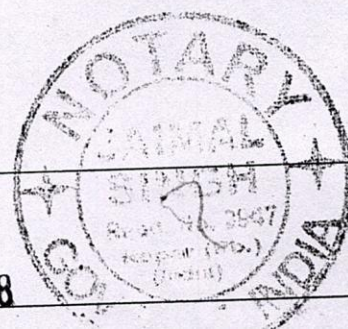
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	<p>corrosion or may cause explosions, thus, being much more injurious than leakage of water.</p> <p>(b) Carrying of water pipe lines on bridges shall also be discouraged. However, if the water supply authorities seem to have no other viable alternative and approach the highway authority well in time before the design of the bridge is finalized, they may be permitted 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 for inspection and repairs, etc.</p> <p>(c) Cost of required extension of the substructure as well as that of the supporting superstructure shall be borne by the agency-in-charge of the utilities.</p> <p>(d) Service 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 service along bridge. Approvals are to be accorded in this regard with the concurrence of the Ministry's Project Chief Engineers only.</p>		
1.18	<p>If crossings of the road involved</p> <p>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</p>	Yes	
	(a) Existing drainage structures shall not be allowed to carry the lines.	N/A	
	(b) Is it on a line normal to NH	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	
	(f) The casing/conduit pipe should, as minimum extend from the drain to	N/A	



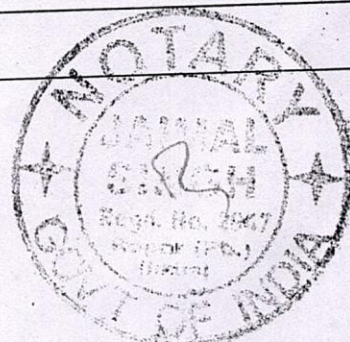
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	drain in cuts and toe of slope toe of slope in the fills.		
	(g) The top of the casing/conduit pipe should be at least 1.2 meter below the surface of the road subject to being at least 0.3 m below the drain inverts.	N/A	
	(h) Crossing shall be by boring method (HOD) especially where the existing road pavement is of cement concrete or dense bituminous concrete type.	N/A	
	(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		
2.1	Cross section showing the size of trench for open trenching method (Is it normal size of 1.2 m deep X 0.3 m wide) (i) Should not be greater than 60 Cm wider than the outer diameter of the pipe (ii) Located as close to the extreme edge of the right-of- way as possible but not less than 15 meter from the centre-lines of the nearest carriageway (iii) Shall not be permitted to run along the National Highways when the road formation is situated in double cutting. Nor shall these be laid over the existing culverts and bridges (iv) These should be so laid that their top is at least 0.6 meter below the ground level so as not to obstruct drainage of the road land.	Layout Plan and X-section detail attached	
2.2	Cross section showing the size of pit and location of cable for HOD method	N/A	
2.3	Strip plan/Route Plan showing Water Supply pipe line, Change, width of Ro, distance of proposed, cable from the edge of Row, important mile stone, intersections, cross drainage works etc.	N/A	
2.4	Methodology for laying of showing Water Supply pipe line.	Road crossing by Open trench method	
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 of trench)		
	(a) The trench width should be at least 30 cm, but not more than 60 cm wider than the outer diameter of the pipe.		



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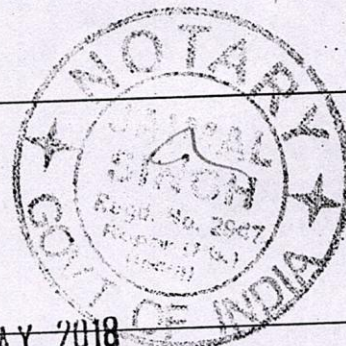
	(b) For filling of the trench, Bedding shall be to a depth of not less than 30 cm. It shall consist of granular material, free of lumps, clods and cobbles and graded to yield a firm surface without sudden change in the bearing value.		
	Unsuitable soil and rock edged should be excavated and replaced by selected material.		
	(c) The backfill shall be completed in two stages (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 pending 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 night hours.		
	(g) If required, a diversion shall be constructed at the expense owning the utility line.		
2.4.2	Horizontal Directional Drilling (HOD) Method	N/A	
2.4.3	Laying of Water Supply Pipe Line through CD works and method of laying.		
	(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 m from the bridge and subject to all other stipulations contained in this Ministry's guidelines issued with letter No. Nh-HI/P/66/76 dated 19.11.1976		
3	Draft License Agreement signed by two witnesses		
4	Performance Bank Guarantee in favour of NHAI has to be obtained @ Rs 50/- per running meter (parallel to NH) and Rs 1,00,000/- per crossing of NH, for a period of one year initially (extendable it 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		



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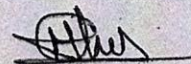
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	compaction, clearing debris/loose earth produced due to execution of trenching at least 50 m away from the edge of the right of way. No payment shall be payable by the NHAI to the licensee for clearing debris/loose earth.		
4.1	Performance BG as per above is to be obtained		
4.2	Confirmation of BG has been obtained as per NHAI 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		
5.2	Renewal of Bank Guarantee		
5.3	Confirming all standard condition of NHAI's guideline		
5.4	Shifting of Water Supply pipe line as and when required by NHAI at their own cost		
5.5	Shifting due to 6 laning/widening of NH		
5.6	Indemnity against all damages and claims clause (xxiv)		
5.7	Traffic movement during laying of water supply pipeline to be manages by the applicant.		
5.8	If any claim is raised by the concessionaire then the same has to be paid by the applicant.		
5.9	Prior approval of the NHAI shall be obtained before undertaking any work of installation, shifting or repairs, or alteration to the showing water supply pipelines located in the National Highway Right of ways.		
5.10	Expenditure, if any, incurred by NHAI for repairing any damage caused to the National Highway by the laying, maintenance or shifting of the water supply pipeline will be borne by the agency owning the line.		
5.11	If the NHAI considers it necessary in the future to move the un-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.		
5.12	Certificate from the applicant in the following format: (i) Laying of water supply pipeline will not have any deleterious effects on any of the bridge components and roadway safety for traffic. (ii) For 6 lanning " We do undertake		



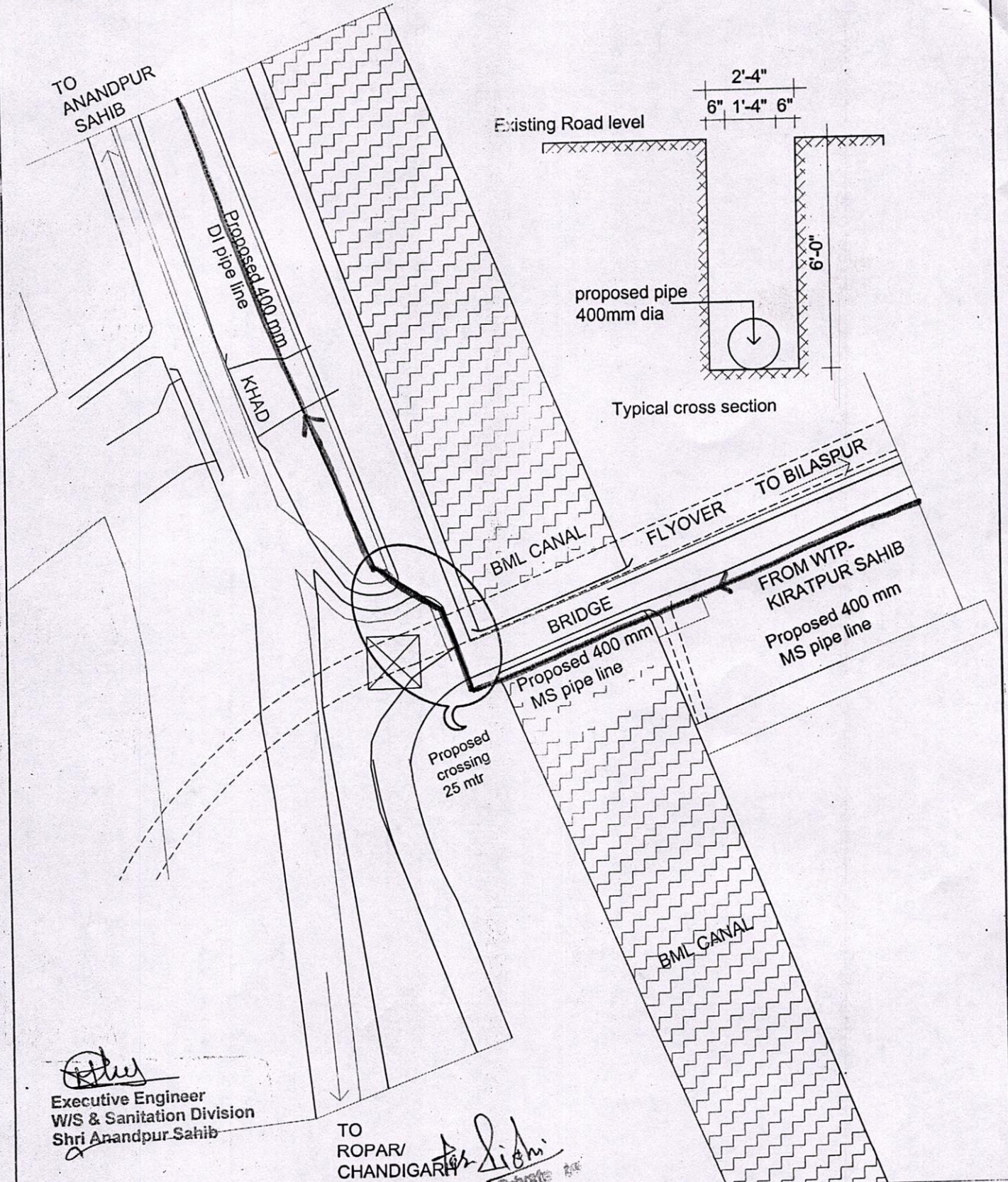
	<p>components and roadway safety for traffic.</p> <p>(ii) For 6 lanning " We do undertake that I will relocate service road/approach road/utilities at my own cost notwithstanding the permission granted within such time as will be stipulated by NHAI" for future 6- lanning or any other development.</p>		
6.	Who will sign the agreement on behalf of the water supply pipe line agency.	Executive Engineer, Water Supply and Sanitation Division, Sri Anandpur Sahib.	
7.	Certificate from the Project Director		
7.1	<p>Certificate for confirming of all standard condition issued vide ministry of road transport and highways circular no. NH-III/P/66?76 dated 18/19.11.1976, RW/NH-III/P/66/76 dated 11.05.1982, RW/NH-11037/1/86-DOI (ii) dated 28.07.1993, RW/NH-11037/1/86-DOI dated 19.01.1995, RW/NH-34066/2/95/S & R dated 25.10.1999, Circular No. RW/NH-34066/7/2003/S&R (B) dated 17.09.2003 and Circular No. RW/NH-33044/29/2015/S & R (R)dated 22.11.2016</p>	Yes	
7.2	<p>(i) " It is certified that any other location of the Water line would be extremely difficult and unreasonable costly and the installation of water line within ROW will not adversely affect the design, stability & traffic safety of the highway nor the likely future improvements such as widening of the carriageway , easing of curve etc."</p> <p>ii) for 7-laning</p> <p>a) where feasibility is available " I do certify that there will be no hindrance to proposed six laning based on the feasibility report considering proposed structure at the said location"</p> <p>b) in case feasibility report is not available " I do certify that sufficient ROW is available at site for accommodating proposed six-laning"</p>	Yes	
8	<p>If NH section proposed to be taken up by NAHI on BOT basis it - a clause is to be inserted in the agreement " The permitted highway on which licensee has been granted the right to lay water line pipe has also been granted as</p>	Yes	

9	Who will supervise the work of laying of Water pipe line	Executive Engineer, Water Supply and Sanitation Division, Sri Anandpur Sahib.	
10	Who will ensure that the defects in road portion after laying of water pipeline are corrected and if not corrected then what action will be taken		
11	Who will pay the claims for damages done /disruption in working of concessionaire if asked by the concessionaire	Executive Engineer, Water Supply and Sanitation Division, Sri Anandpur Sahib.	
12	a certificate from PD that he will enter the proposed permission in the register of records of the permissions in the prescribed Performa (Copy enclosed)	Enclosed	
13	If any previous approval is accorded for laying of underground sewage pipeline then photocopy of the register of records of permissions accorded as maintained by PD than copy be enclosed	Enclosed	



Executive Engineer,
W/S and Sanitation Division,
Sri Anandpur Sahib.

**PROVIDING CANAL WATER AS ALTERNATIVE SOURCE OF DRINKING WATER
SUPPLY FOR 45 VILLAGES FACING WATER QUALITY PROBLEM IN BLOCK NURPUR
BEDI, DISTRICT RUPNAGAR (PUNJAB).**



[Signature]
Executive Engineer
WS & Sanitation Division
Shri Anandpur Sahib

TO
ROPAR/
CHANDIGARH

[Signature]
Unihom India Private
Team Leader

**KEY LAYOUT PLAN
NTS**

JE/AE

SDE