



# 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-पश्चिम उ०प्र०, लखनऊ

Regional Office - West UP, Lucknow.

3/248, विशाल खण्ड, गोमती नगर, लखनऊ-226010 (उ.प्र.)

3/248, Vishal Khand, Gomti Nagar, Lucknow-226010 (UP)

दूरभाष / Phone : 0522-4960291

टेलीफैक्स / Fax : 0522-4950680

ई-मेल / E-mail : rowestup@nhai.org

rowestup@gmail.com

वेबसाइट / Website : www.nhai.gov.in

19001/1/RO-W-UP/NH-25/km.90.300-km.91.500/UG/ 188.

Dated: 12.05.2020

### Invitation of Public Comments

**Sub:** Proposal for NOC permission to lay approx. 1.2 kms of 8 inch Dia CS Pipeline Network along NH-25 (New NH-27) from Chainage 90+300 to Chainage 91+500 near Tata Motors towards Jhansi City with a road crossing at Chainage 91+200 near Hansraj Modern School, Jhansi at Jhansi-Orai Section.

The Chief Manager (Project) M/s Central UP Gas Limited, Kanpur has submitted the proposal through PD, PIU-Jhansi for NOC permission to lay approx. 1.2 kms of 8 inch Dia CS Pipeline Network along NH-25 (New NH-27) from Chainage 90+300 to Chainage 91+500 near Tata Motors towards Jhansi City with a road crossing at Chainage 91+200 near Hansraj Modern School, Jhansi at Jhansi-Orai Section.

2. From the submitted proposal, it is seen that as per checklist, the laying is proposed in Utility Corridor within NH ROW with a length of 1200m (from km. 90.300 to km. 91.500). Proposed crossing length is 45m at Ch. 91.200 at location at Jhansi. Left from centre line towards increasing Chainage/ km direction from Ch. No. 90.300 to Ch. 91.200 and Right side from center line towards increasing chainage/ km direction from Ch. No. 91.200 to Ch. No. 91.500. Laying work will be carried out through Horizontal Directional Drilling (HDD) method. The existing NH is 4-lane divide carriageway.


3. As per the guidelines, issued by the Ministry vide OM No.RW/NH-33044/29/2015/ S&R(R) dated 22.11.2016, the application shall 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 the above, comments of the public on the above application is invited to the below mentioned address, which should reach by this office within 30 days from the date of publication beyond which no comments shall be entertained.

The General Manager cum Regional Officer,  
National Highways Authority of India  
Regional Office, UP-West, Lucknow  
3/248, Vishal Khand, Gomti Nagar  
Lucknow-226 010

This issues with the approval of RO-West (UP).

**Encl:** As above.

  
(A. R. Chitranshi)  
Manager (Tech.)  
For RO-West, UP

#### Copy to:

1. Web Admin, NHAI, HQ - with a request for uploading on the NHAI website.
2. The Technical Director, NIC, Transport Bhawan, New Delhi - with a request for uploading on Ministry's website.
3. The Chief Manager (Project) M/s Central UP Gas Limited, Kanpur for information.
4. The PD, PIU-Jhansi for information.

*"Building a nation, not just Roads."*

मुख्यालय : प्लॉट सं० जी-5 एवं 6, सेक्टर-10, द्वारका, नई दिल्ली - 110 075, दूरभाष : 91-11-25074100/200

Head Office : Plot No. G-5 & 6, Sector - 10, Dwarka, New Delhi - 110 075 Phone : 91-11-25074100/200

CHECK- LIST

Guidelines for Project Directors for processing the proposal for laying of Natural Gas pipeline in the land Along & Across National Highway No-27

## Relevant Circulars

- 1) Ministry Circular No. NH-41 (58)/68 dated 31.01.1969
- 2) Ministry Circular No. NH-III/P66/76 dated 18/19.11.1976
- 3) Ministry Circular No. RW/NH-IIIP/66/76 dated 11.05.1982
- 4) Ministry Circular No. RW/NH-11037/86/DOI (ii) dated 28.07.1993
- 5) Ministry Circular No. RW/NH-11037/86/DOI dated 19.01.1995
- 6) Ministry Circular No. RW/NH-34066/2/95/S&R dated 25.10.1999
- 7) Ministry Circular No. RW/NH-330231/19/99-DOM-III dated 17.10.2003

Check list for getting approval for laying of Natural Gas pipeline in the land along & across National Highway No-27

S.No.	Item	Information/Status	Remarks
1	General Information		
1.1	Name and Address of the Applicant/Agency	Central UP Gas Limited, 7 <sup>th</sup> Floor, UPSIDC Complex, A- ¼, Lakhanpur, Kanpur, 208024	
1.2	National Highway Number	NH – 27	
1.3	State	Uttar Pradesh	
1.4	Location	Jhansi	
1.5	(Chainage in Km)	<b>Along NH</b> 1) Ch No. 90.300 to Ch. No. 91.500 of total length 1.2 Km.  <b>Across NH:</b> 1) 91.200	
1.6	Length in Meters	Along NH 1.2 Kms. Across (01 no. of crossing)	
1.7	Width of available ROW		
	(a) Left side from center line towards increasing	----- m	



Highway Maintenance Engineer  
Lion Engineering Consultants  
Jhansi (U.P.)

Team Leader  
Lion Engineering Consultants  
Jhansi (U.P.)

परियोजना निदेशक  
PROJECT DIRECTOR  
भारगवा, पकाड़, झोसी ।  
NHAI, PIU, JHANSI



	chainage/km direction		
	(b) Right side from center line towards increasing chainage/km direction	-----m	
1.8	Proposal to lay under ground Natural Gas pipeline (CS)	Along & across the National Highway	
	(a) Left from center line towards increasing chainage/km direction.	Along left side from Ch no. 90.300 to Ch. No. 91.200	
	(b) Right side from center line towards increasing chainage/km direction	Along right side from Ch no. 91.200 to Ch. No. 91.500	
1.9	Proposal to acquire land	NA	
	(a) Left side from center line	NA	
	(b) Right side from center line	NA	
1.10	Whether proposal is in the same side where land is not to be acquired	No acquisition of land required	
	If not then where to lay the Pipeline	Along & across the National Highway (ROW)	
1.11	Details of already laid services, if any, along the proposed route	NA	
1.12	No of lanes (2/4/6/8 lanes) existing	4 lane	
1.13	Proposed Number of lanes (2 lanes with paved shoulder 4/6/8 lanes)		
1.14	Service road existing or not		
	If yes then which side		
	(a) Left side from centre line		
	(b) Right side from centre line		
1.15	Proposed service road		
	(a) Left side from centre line		
	(b) Right from center line		
1.16	Whether proposal to lay gas pipeline is after the service road or between the service road and main carriageway	After the service road	
1.17	The Permission for laying of Gas pipeline shall be		

परियोजना निदेशक  
PROJECT DIRECTOR  
भाराराप्पा, पकड़, झोसी।  
NHAI, PIU, JHANSI

Team Leader  
Lion Engineering Consultants  
Jhansi (U.P.)

Highway Maintenance Engineer  
Lion Engineering Consultants  
Jhansi (U.P.)

मेमबर (T)

	considered for approval/rejection based on the Ministry Circulars mentioned as above.		
	(a) Carrying of Gas pipeline on Highway bridges shall not be permitted as gases pipes can accelerate the process of corrosion or may cause explosions, thus, being much more injurious than leakage of gas	NA	
	(b) Carrying of gas pipelines on bridges shall also discouraged however if the gas supply authorities seem to have no other viable alternative and approach the highway authority well in time before the design of the bridge in finalized they may be permitted to carry the pipeline on independent super structure supported on extended portion of piers and abutments in such a manner that in the final arrangement enough free space around the super structure of the bridge remains available for inspection and repairs etc.	NA	
	(c) Cost of required extension of the substructure as well as that of the supporting super structure shall be borne by the agency-in-charge of the utilities.	NA	
	(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 to be accorded in this regard with the concurrence of the Ministry's Project Chief Engineers Only	NA	
1.18	If Crossing of the road involved	Yes	

परियोजना निदेशक  
PROJECT DIRECTOR  
भारतवाणि, पकाड़, झांसी  
NHAI, PIU, JHANSI



Highway Maintenance Engineer  
Lion Engineering Consultants  
Jhansi (U.P.)

Team Leader  
Lion Engineering Consultants  
Jhansi (U.P.)

Mampraj (T)



	If yes, it shall be either encased in pipes or through structure or conduits specially built for that purpose at the expensed o f the agency owning the line.	Yes	
	(a) Existing drainage structures shall not be allowed to carry the lines	Yes	
	(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	Yes	
	d) The casing pipe (or conduit pipe in the case of electric/OFC cable) carrying the utility line shall be of steel, case iron, or reinforced cement concrete and have adequate strength and be large enough to permit ready withdrawal of the carrier pipe/cable.	Yes	
	e) Ends of the casing/conduit pipe shall be sealed form the outside, so that it does not act as a drainage path.	Yes	
	f) The casing/conduit pipe should, as minimum extend from drain to drain in cuts and toe of slope toe of slope in the fills	Yes	
	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.	Yes	
	h) Crossing shall be by boring method (HDD) especially where the existing road pavement is of cement concrete or dense bituminous concrete type	Yes	
	I) The casing/conduit pipe shall be installed with an even bewaring throughout its length and in such a manner as to prevent the formation of a	Yes	

परियोजना निदेशक  
PROJECT DIRECTOR  
भाराराप्रा, पकाड़, झोसी ।  
NHAI, P.U., JHANSI

Team Leader  
Lion Engineering Consultants  
Jhansi (U.P.)

Highway Maintenance Engineer  
Lion Engineering Consultants  
Jhansi (U.P.)

Mangal (T)

	waterway along it.		
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 wide)	Yes	
	i) Should be greater than 60 Cm wider than outer diameter of the pipe	Yes	
	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.	Yes	
	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.	Yes	
	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.	Yes	
2.2	Cross section showing the size of pit and location of cable for HDD method	NA	
2.3	Strip plan/Route Plan showing Gas pipe line, Chainage, width of ROW, distance of proposed, cable from the edge of ROW, important mile stone, intersections, cross drainage works etc.	Incorporated in the drawing	
2.4	Methodology for laying of showing Gas pipe line	Open trenching/HDD	
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.	Open trenching/HDD	
	a) The trench width should be at least 30 cm, but not more than 60 cm wider than the outer diameter of the pipe.	Yes	
	b) For filling of the trench,	Yes	

परियोजना निदेशक  
PROJECT DIRECTOR  
भारतप्रा, पकाड़, जॉसी ।  
NHAI, PIU, JHANSI

Team Leader  
Lion Engineering Consultants  
Jhansi (U.P.)

Highway Maintenance Engineer  
Lion Engineering Consultants

Mampr (T)



	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.	Yes	
	c) The backfill shall be completed in two stages (i) side fill to the level of the top to the pipes and (ii) overfill to the bottom of the road crust.	Yes	
	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. Over fill shall be compacted to the same density as the material that had been removed. Consolidation by saturation or pending will not be permitted	Yes	
	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.	Yes	
	f) the excavation shall be protected by flagman, signs and barricades, and red lights during night hours	Yes	
	g) If required, a diversion shall be constructed at the expensed of agency owing the utility line	Yes	
2.4.2	Horizontal Directional drilling (HDD) Method	Yes	
2.4.3	Laying of Gas Supply Pipe Line through CD works and method of laying	Yes	
	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	Yes	

परियोजना निदेशक  
PROJECT DIRECTOR  
भाराराणा, पकाइ, झोसी।  
NHAI, PIU, JHANSI

Team Leader  
Lion Engineering Consultants  
Jhansi (U.P.)

Highway Maintenance Engineer  
Lion Engineering Consultants  
Jhansi (U.P.)

महेश्वर (T)

	up-to a distance of 30 m from the bridge and subject to all other stipulation contained in this Ministry's guidelines issued with letter No. NH-HI/P66/76 dated 19.11.1976		
3	Draft License Agreement signed by two witness	Yes	
4	Performance bank Guarantee in favour of NHAI has to be obtained @ Rs 50/- per running meter (parallel to NH) and Rs 100000/- 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 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.	CUGL will pay Bank Guarantee as intimated by NHAI.	
4.1	Performance BG as per above is to be obtained	Yes	
4.2	Confirmation of BG has been obtained as per NHAI Guidelines	Yes	
5	Affidavit/undertaking from the application		
5.1	Not to Damage to other utility, If damaged then pay the losses either to NHAI or to the concerned agency	Yes	
5.2	Renewal of Bank Guarantee	Yes	
5.3	Confirming all standard condition of NHAI'S guideline	Yes	
5.4	Shifting of Gas supply pipe line as and when required by NHAI at their own cost	Yes	
5.5	Shifting due to 6 lanning/widening of NH	Yes	
5.6	Indemnity against all damages	Yes	

परियोजना निदेशक  
PROJECT DIRECTOR  
भारतवाणी, पकाड़, झोसी  
NHAI, PIU, JHANSI

Team Leader

Lion Engineering Consultants  
Jhansi (U.P.)

Highway Maintenance Engineer  
Lion Engineering Consultants  
Jhansi (U.P.)

Signature



	and claims clause (xxiv)		
5.7	Traffic movement during laying of Gas supply pipe line to be managed by the applicant	Yes	
5.8	If any claim is raised by the Concessionaire then the same has to be paid by the applicant	Yes	
5.9	Prior approval of the NHAI shall be obtained before undertaking any work if installation, shifting or repairs, or alteration to the Gas supply pipe line located in the National Highway right-of-ways.	Yes	
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 Gas supply pipe line will be borne by the agency owning the line.	Yes	
5.11	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.	Yes	
5.12	Certificate from the application in the following format		
	(i) Laying of Gas supply pipe line will not have any deleterious effects on any of the bridge components and roadway safety for traffic.	Yes	
	(ii) for 6-laning "We do undertake that I will relocate service road/approach road/utilities at my own cost notwithstanding the permission granted with such time as will be stipulated by NHAI" for future six-laning or any other development."	Yes	
6	Who will sign the agreement on behalf of gas supply pipe line	Ch. Mgr. (Project), Central UP Gas Limited	

परियोजना निदेशक  
PROJECT DIRECTOR  
भारतगैस, पकड़, जंसी।  
NHAI; PIU; JHANSI

Team Leader  
Lion Engineering Consultants  
Jhansi (U.P.)

Highway Maintenance Engineer  
Lion Engineering Consultants  
Jhansi (U.P.)

manys(CT)

	agency?		
7	Certificate from the Project Director		
7.1	Certificate for confirming of all standard condition issued vide ministry circular no. Ministry circular no NH-41 (58)/68 dated 31.01.1969, Ministry circular no. RW/NH-III/P/66/76 dated 18/19.11.1976, Ministry Circular NO. RW/NH-1103/1/86-DOI (ii) Dated 28.07.1993. Ministry circular No. RW/NH-34066/2/9/S&R dated 25.10.1999 and Ministry Circular No. RW/nh-330231/19/99 dated 17.10.2003		



*[Signature]*  
Highway Maintenance Engineer  
Lion Engineering Consultants  
Jhansi (U.P.)

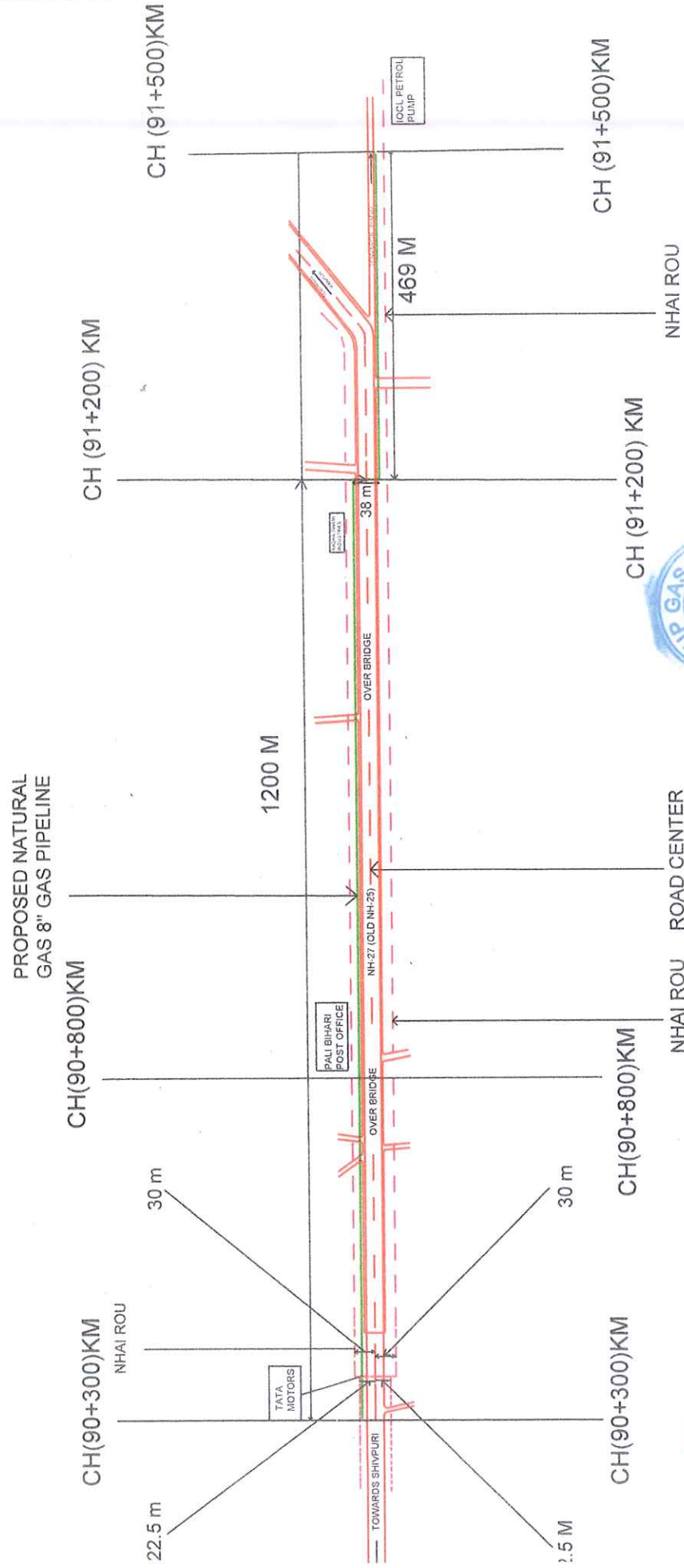
*[Signature]*  
Team Leader  
Lion Engineering Consultants  
Jhansi (U.P.)

*[Signature]*  
Manager (CT)

*[Signature]*  
परियोजना निदेशक  
PROJECT DIRECTOR  
भाराराप्रा, पकड़, झोंसी।  
NHAI, PIU, JHANSI



# STRIP PLAN FOR PROPOSED ROUTE MAP OF NATURAL GAS PIPELINE FROM Ch.90+300 - Ch.91+500



*[Signature]*  
Highway Maintenance Engineer  
Lion Engineering Consultants  
Jhansi (U.P.)

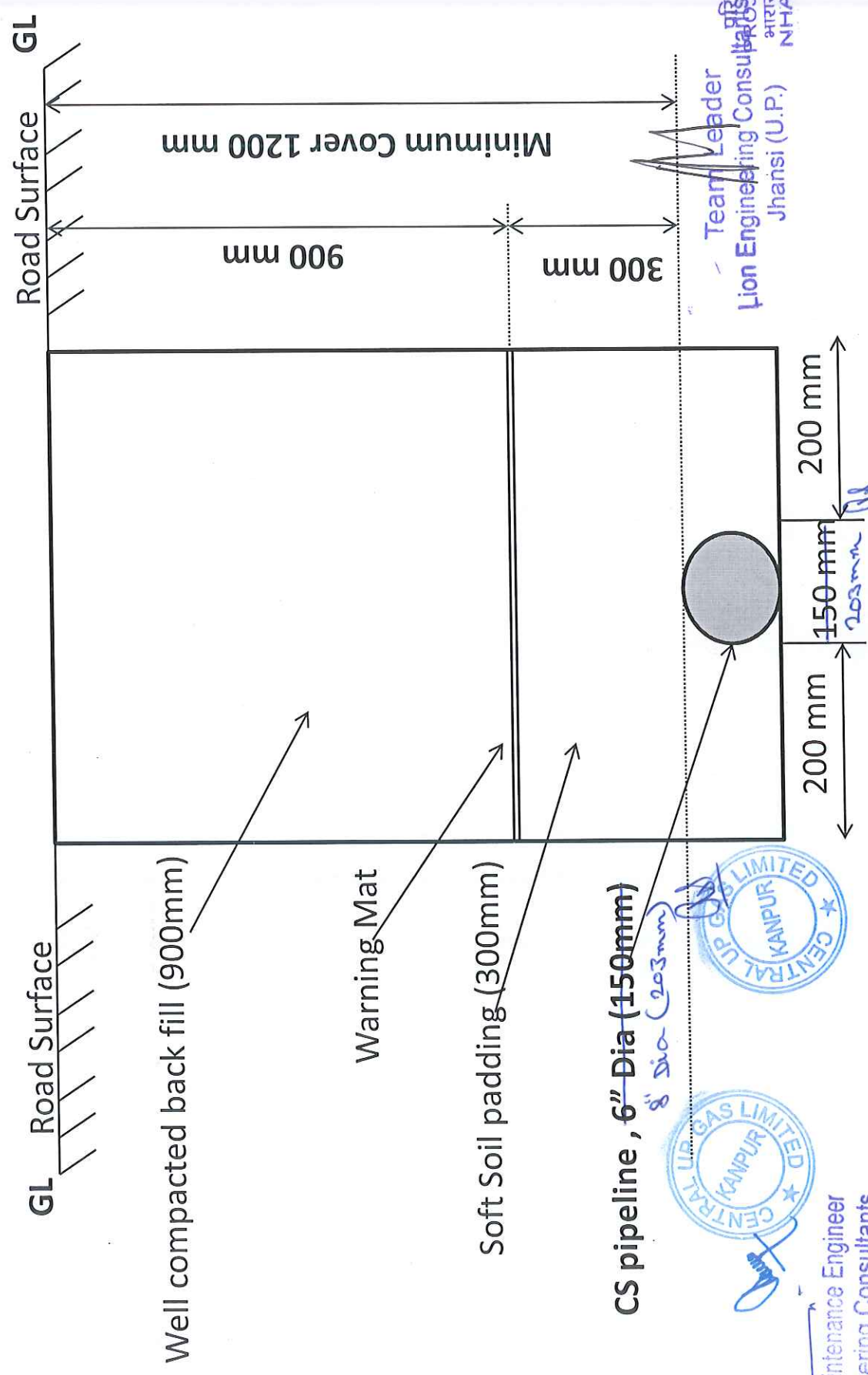
*[Signature]*  
Team Leader  
Lion Engineering Consultants  
Jhansi (U.P.)

*[Signature]*  
mmpes (T)

परियोजना निदेशक  
PROJECT DIRECTOR  
भारतीय, पब्लिक, वर्कस  
NHAI, P.U., JHANSI

# TYPICAL CROS SECTION OF TRENCH, FOR CS GAS PIPELINE LAYING

## SECTION (E-D)



परियोजना निदेशक  
PROJECT DIRECTOR  
भारता, पञ्जाब, अस्सी  
NHAI, PIU, JHANSI

Lion Engineering Consultants  
Jhansi (U.P.)



Highway Maintenance Engineer  
Lion Engineering Consultants  
Jhansi (U.P.)