



भारतीय राष्ट्रीय राजमार्ग प्राधिकरण

(सड़क परिवहन और राजमार्ग मंत्रालय, भारत सरकार)

NATIONAL HIGHWAYS AUTHORITY OF INDIA

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

क्षेत्रीय कार्यालय / REGIONAL OFFICE

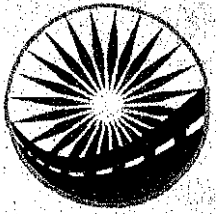
ई-2/167, अरेरा कॉलोनी, हबीबगंज रेल्वे स्टेशन के पास, भोपाल (म.प्र.) 462016

E-2/167, Arera Colony, Near Habibganj Railway Station, Bhopal (M.P.) 462016

दूरभाष/Phone : 0755-2426638, फैक्स /Fax : 0755-2426698, ई-मेल/E-mail : robhopal@nhai.org

NHAI/RO-MP/IND/LPG Pipe Line/IHB/2021/43757

Date: 02.08.2021



भारतमाला
प्रगति के पथ पर अग्रसर
BHARATMALA
ROAD TO PROSPERITY

Invitation of Public Comments

Sub: 4-laning of Indore-Gujarat border section of NH-59 from Km 9.500 to Km 171.000 on DBFOT in the State of Madhya Pradesh under NHDP-III – **Permission for laying of LPG pipeline along with OFC across one location on NH-47 from Km 29+507 village-Kalosura, Tehsil-Depalpur, Distt.-Indore - Reg.**

Ref: PD, PIU-Indore e-office proposal (Computer No. 75345).

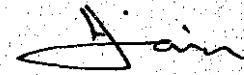
Vide above reference proposal for permission for laying of LPG pipeline along with OFC across one location on NH-47 from Km 29+507 village-Kalosura, Tehsil-Depalpur, Distt.-Indore.

2. As per Ministry vide OM No. RW/NH-33044/29/2015/S&R (R) dated 22.11.2016, the Highways Administrator will make available the proposal seeking permission for utility laying for public comments for 30 days on ground of public interest.

3. In view of the above the comments of public are invited on captioned proposal and the same should reach to below mentioned address till 02.09.2021 beyond which no comments will be considered.

**The Highway Administrator
O/o Regional Officer,
National Highways Authority of India
E-2/167, Arera Colony,
Near Habibganj Railway Station,
Bhopal (MP)-462016
E-mail ID:robhopal@nhai.org**

This issues with the approval of Regional Officer cum Highway Administration.


(Anil Kumar Jain)
DGM (Tech.)

Copy to:

- Web Admin, NHAI-HQ-with request for uploading on the NHAI website.
- The Senior Technical Director, NIC, Transport Bhawan, New Delhi-110001 for uploading on Ministry's Website.
- The Project Director, NHAI, PIU-Indore (M.P.) for information.
- M/s IHB Private Limited, 610, 6th Floor, Princess Business Skypark, Sch. No. 54, Opposite Orbit Mall, AB Road, Indore (M.P.)-452001.

CHECK - LIST

Guidelines for Project Directors for processing the proposal for laying of Natural Gas pipeline along with Optical Fiber Cable(OFC) in the land along National Highways vested with NHAI.

- **Relevant circulars of Ministry of Road Transport and Highways**

1) Circular No. RW/NH-33044/29/2015/S&R (R) dated 22.11.2016

Check list for getting approval for laying of Gas pipeline along with OFC on NH land.

The permission for laying of Gas 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 the process of corrosion or may cause explosions, thus, being much more injurious than leakage of water.

(b) 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.

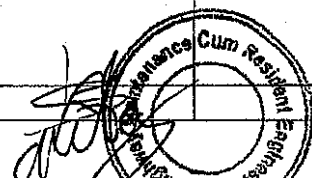
Guidelines for processing the proposal for laying of utility line in the land along National Highways/Expressway vested with NHAI/PWD/BRO.

S.NO	Item	Information/Status	Remarks
1	General Information		
1.1	Name and Address of the Applicant/Agency	IHB Private Limited, 6 TH Floor, Princes Business Skypark SCH No.54, Opposite Orbit Mall, AB Road, Indore, Madhya Pradesh 452010	
1.2	National Highway Number	NH-47 (Indore to Dhar Section)	
1.3	State	Madhya Pradesh	
1.4	Location	NH-47 (Indore to Dhar Section) in Village - Mothala, Taluka - Depalpur, Distict - Indore.	
1.5	(Chainage in km)	NH-47 (Indore to Dhar Section) at Km 29 + 507.35	
1.6	Length in Meters	60 m	Crossing
1.7	Width of available ROW		
	(a) Left side from center line towards increasing chainage/km direction	NH-47 (Indore to Dhar Section) - 30 m	Crossing
	(b) Right side from center line towards increasing chainage/ km direction	NH-47 (Indore to Dhar Section) - 30 m	Crossing
1.8	Proposal to lay underground electrical cable/OFC		
	(a) Left side from center line towards increasing chainage/km direction.	NH-47 (Indore to Dhar Section) - 30 m	Crossing
	(b) Right side from center line towards increasing chainage/km direction.	NH-47 (Indore to Dhar Section) - 30 m	Crossing
1.9	Proposal to acquire land		

ANIL CHAUHAN

PROJECT MANAGER

IHB PVT. LTD.

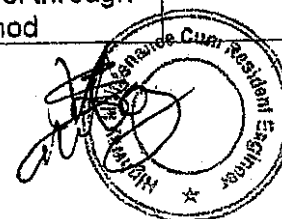


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	(a) Left side from center line.	NA	
	(b) Right side from center line.	NA	
1.10	Whether proposal is in the same side where land is not to be acquired	NA	
	If not then where to lay the cable.	NA	
1.11	Details of already laid services, If any, along the proposed route	NA	
1.12	Number of existing lanes (2/4/6/8 lanes)	4 lanes	
1.13	Proposed Number of lanes (2 lanes with paved shoulders/4/6/8 lanes)	6 lanes	
1.14	Service road existing or not	Not	
	If yes then which side		
	(a) Left side from centre line		
	(b) Right side from centre line		
1.15	Proposed service road	Not	
	(a) Left side from center line		
	(b) Right side from center line		
1.16	Whether proposal to lay gas pipeline is after the service road or between the service road and main carriageway	No	
1.17	Whether carrying of sewage / gas pipeline has been proposed on highway bridges. If yes, then mention the methodology proposed for the same.	No	
1.18	Whether carrying of sewage / gas pipeline has been proposed on the parapet/any part of the bridges If yes, then mention the methodology proposed for the same.	No	
1.19	If crossing 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	Mild Steel Carrier Pipe Through HDD method	
	(a) Whether existing drainage structures are allowed to carry sewage / gas pipeline	No	
	(b) Is it on a line normal to NH	Yes	
	(c) What is the distance of crossing the sewage/gas pipelines from the existing structures. Crossings shall not be too near the existing structures on the National Highway, the minimum distance being 15 meter.	No near by structure till 1 km (approx.)	
	(d) The casing pipe (or conduit pipe in the case of electric / OFC 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. Mention type of casing.	Not applicable	
	(e) Ends of the casing/conduit pipe shall be sealed from the outside, so that it does not act as a drainage path.	Not applicable	
	(f) The casing/conduit pipe should, as minimum extend from drain to drain in cuts and toe of slope in the fills.	Not applicable	
	(g) The top of the casing/conduit pipe should be at least 1.2meter below the surface of the road subject to being at least 0.3 m below the drain inverts. Mention the proposed details.	Carrier pipe will be laid at depth of 7.73 Mtr below the lowest ground level through HDD method	

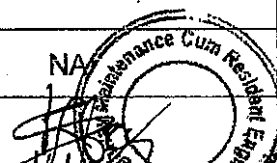
ANIL CHAUHAN
PROJECT MANAGER
IHB PVT. LTD.
INDORE (M.P.)



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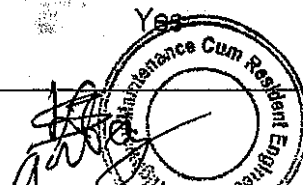
	(h) Mention the methodology proposed for crossing of road for the proposed sewage / gas pipeline. Crossing shall be by boring method (HDD) [Trench-less Technology] especially where the existing road pavement is of cement concrete or dense bituminous concrete type.	HDD, trench less Technology	
	(I) The 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.	Not Applicable	
2	Document / Drawings to be enclosed with the proposal.		
2.1	Cross section showing the size of trench for open trenching method (Is it normal size of 1.2m deep X 0.3m wide)	NA	
	(i) Should not be greater than 60 cm wider than the outer diameter of the pipe.	NA	
	(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.	NA	
	(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.	NA	
	(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.	NA	
2.2	Cross section showing the size of pit and location of cable for HDD method.	Yes	
2.3	Strip plan / Route Plan showing Gas pipe line, Chainage, width of ROW, distance of proposed Gas pipeline with OFC from the edge of ROW, important mile stone, intersections, cross drainage works etc.	Incorporated in the Drawing	
2.4	Methodology for laying of Gas pipe line.		
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, What is the Methodology of refilling of trench.	NA	
	(a) The trench width should be at least 30 cm, but not more than 60 cm wider than the outer diameter of the pipe.	NA	
	(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.	NA	
	(c) The backfill shall be completed in two stages (i) side fill to the level of the top to the pipe and (ii) overfill to the bottom of the road crust.	NA	
	(d) The side fill shall consist of granular material laid in 15cm 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.	NA	
	(e) The road crust shall be built to the same strength as the existing crust on either side of the trench.	NA	



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	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.	NA	
	(g) If required, a diversion shall be constructed at the expenses of agency owning the utility line	NA	
2.4.2	Horizontal Directional Drilling (HDD) Method	Yes	
2.4.3	Methodology for laying of Gas Pipe Line through CD works and method of laying. In cases where the carrying of gas pipeline on the bridge becomes inescapable.	NA	
3	Draft License Agreement signed by two witnesses	Yes	
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 if required till satisfactory completion of work) as a security for ensuring/making good the excavated trench for laying the Gas pipeline with OFC /ducts by proper filling and compaction, clearing Debris/loose earth produced due to execution of trenching at least 50m 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. Performance BG as per above is to be obtained.	IHB Private Limited will pay Bank Guarantee as and when intimated by NHAI.	
4.1	Confirmation of BG has been obtained or not as per NHAI guidelines		
5	Affidavit / Undertaking from the Applicant for the following is to be furnished.		
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	For Renewal of Bank Guarantee	Yes	
5.3	For Confirming all standard condition of Ministry Circulars and NHAI's guideline	Yes	
5.4	For Shifting of Gas pipe line as and when required by NHAI at their own cost	Yes	
5.5	For Shifting of Gas pipeline due to 6 lanning / widening of NH	Yes	
5.6	For Indemnity against all damages and claims	Yes	
5.7	For Traffic movement during laying of Gas 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 alterations to the Gas pipe line/any other utility 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 pipe line will be borne by the applicant 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	Yes	



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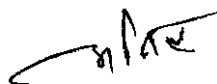
	utility line within a reasonable time (not exceeding 60 days) of the intimation given.		
5.12	Certificate from the applicant in the following format		
	(i) <i>Laying of Gas pipe line will not have any deleterious effects on any of the bridge components and roadway safety for traffic.</i>	Yes	
	(ii) <i>"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 NHA" for future six-laning or any other development."</i>	Yes	
6	Who will sign the agreement on behalf of Gas pipe line agency?	Project Manager, IHB Private Limited	
	Power of Attorney to sign the agreement is available or not	Yes	
7	The Project Director, will submit the following Certificates.		
7.1	Certificate for proposal 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 11.5.1982, RW/NH-11037/1/86/DOI (ii) dated 28.7.1993, RW/NH-11037/1/86/DOI dated 19.1.1995, RW/NH-34066/2/95/S&R dated 25.10.1999 and Circular No. RW/NH-34066/7/2003 S&R (B) dated 17.9.2003		
7.2	Certificate from PD in the following format		
	(i) "It is certified that any other location of the Gas pipeline would be extremely difficult and unreasonable costly and the installation of Gas 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".		
	(ii) for 6-laning		
	(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".		
	(b) In case feasibility report is not available "I do certify that sufficient ROW is available at site for accommodating proposed six-laning".		
8	If NH section proposed to be taken up by NHA on BOT basis – a clause is to be inserted in the agreement. "The permitted Highway on which Licensee has been granted the right to lay gas pipeline with OFC/duct has also been granted as a right of way to the concessionaire under the concession agreement for up-gradation of [----- ----- Section from Km ----- to Km ----- of NH No. ----- on Build, Operate and Transfer basis] and therefore, the licensee shall honour the same."		
9	Who will supervise the work of laying of Gas pipe line		
	(a) On behalf of the Applicant	Indian Oil Corporation Ltd	
	(b) On behalf of NHA	ANIL CHAUHAN PROJECT MANAGER IHB PVT. LTD. INDORE (M.P.)	

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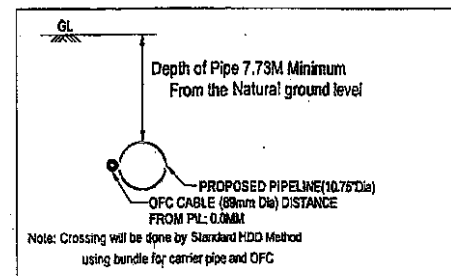
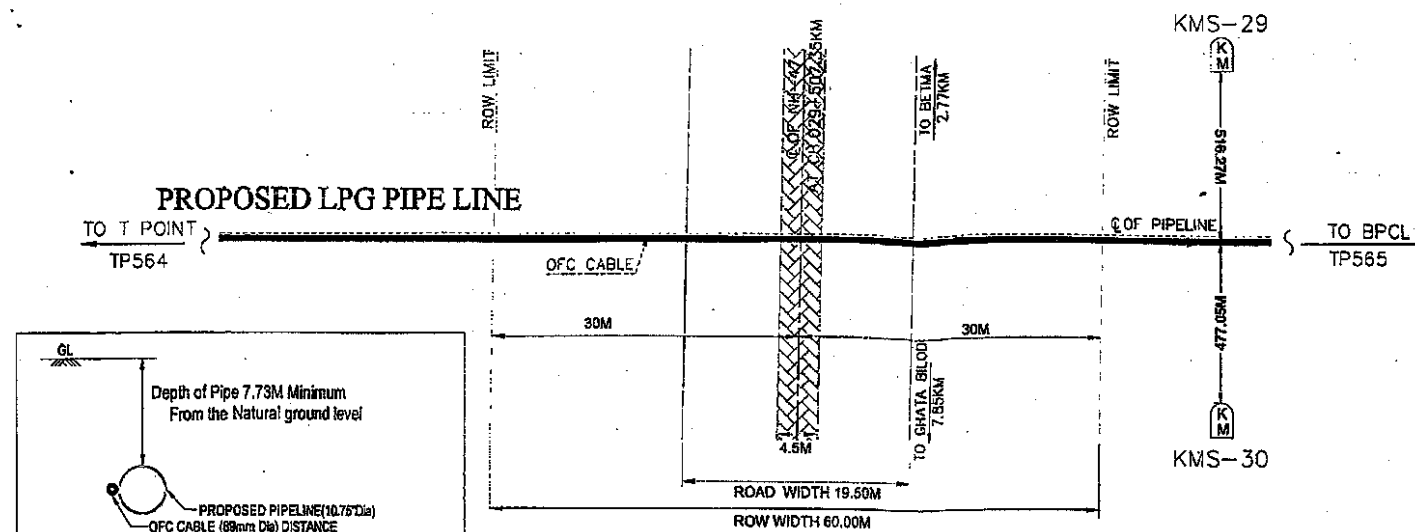
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10	Who will ensure that the defects in road portion after laying of Gas Pipe line are corrected and if not corrected then what action will be taken		
	(a) On behalf of the Applicant	Indian Oil Corporation Ltd	
	(b) On behalf of NHAI		
11	Who will pay the claims for damages done/disruption in working of Concessionaire if asked by the Concessionaire?	IHB Private Limited	
	On behalf of the Applicant		
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).		
13	If any previous approval is accorded for laying of underground Gas pipeline then Photocopy of register of records of permissions accorded as maintained by PD then copy be enclosed		
14	Name of Highway authority of NHAI/PWD/BRO	National Highway Authority of India, PIU-Indore	
15	Highway Administration address	Project Director, NHAI, PIU - Indore, 14, Sampat Hills, Opp. Sahara City, Indore-Dewas Bypass, Bicholi Mardana, Indore, Distt. -Indore.	

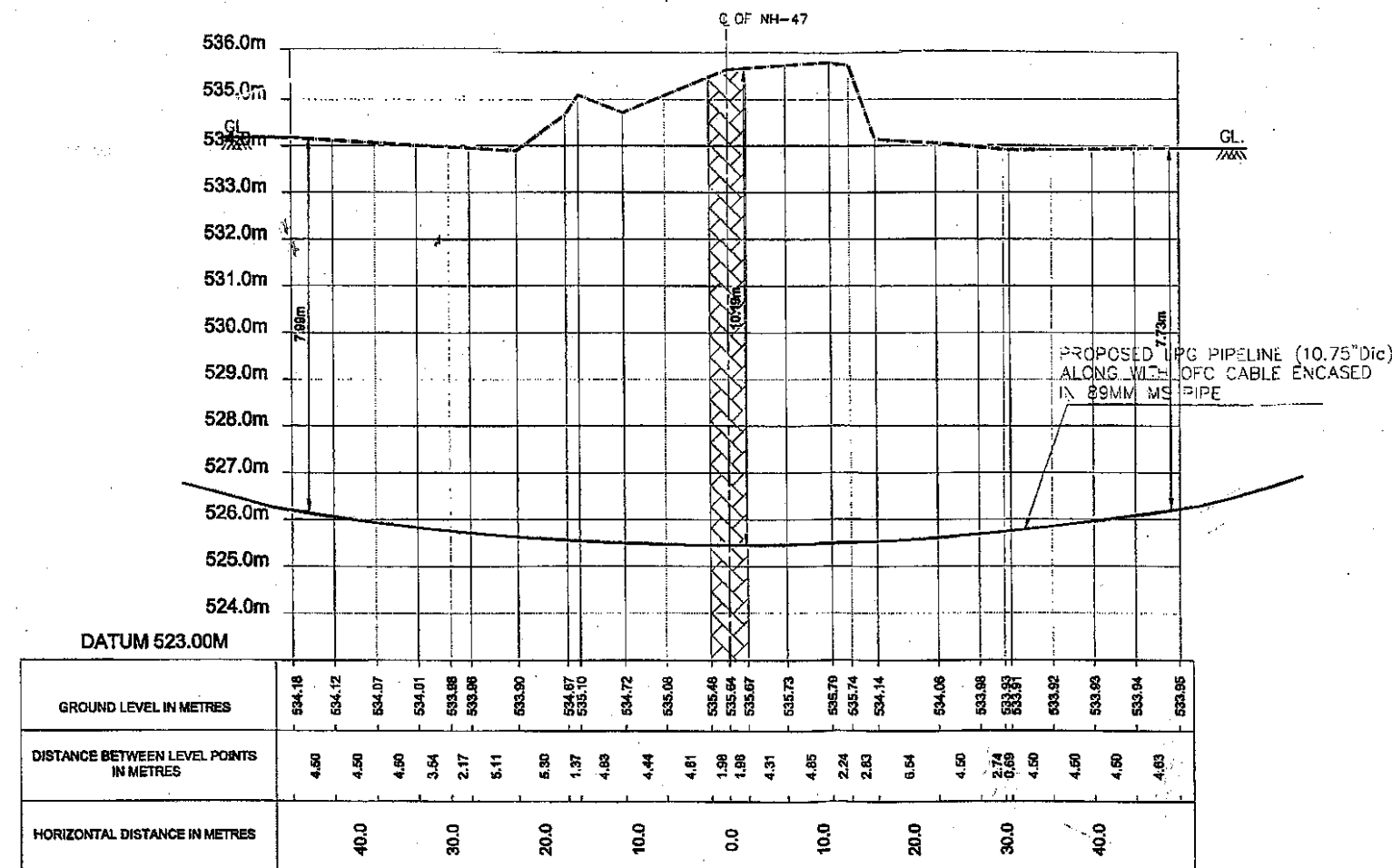
Verified by




Project Director
National Highway Division, Indore

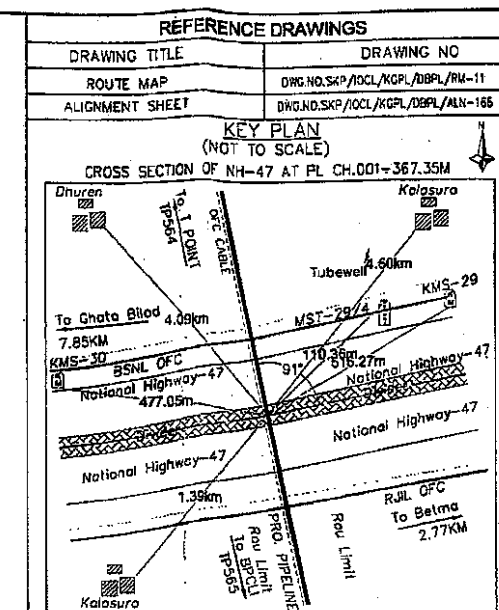


PLAN



GROUND PROFILE

NAME OF CROSSING	VILLAGE	TALUKA	DISTRICT	STATE	CROSSING CHAINAGE IN METRES
NH-47	MOTHALA	DEPALPUR	INDORE	MADHYA PRADESH	AT CH.001+367.35M



SR. NO.	PARTICULARS	DETAILS
1	Origin-Destination	To Belma To Ghata Bilod
2	Road Name As Per Authority	NATIONAL HIGHWAY-47
3	Road Chainage (km)	CH.029+507.35KM
4	Nearest TP or IP a) Before Crossing b) After Crossing	TP564 TP565
5	Crossing Angle	91°
6	ROW Width of Crossing in 'm'	60M
7	Crossing Control Point	E 561026.046 N 2508511.046

NOTES:-

1. ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE MENTIONED.
2. ALL LEVELS ARE WITH RESPECT TO MEAN SEA LEVEL.

ANIL CHAUHAN
PROJECT MANAGER
IHB PVT. LTD.
INDORE (M.P.)

REV	DATE	INITIAL SIGN	INITIAL SIGN	INITIAL SIGN	SUB OF REV
CLIENT	INDIAN OIL CORPORATION LIMITED PIPELINES DIVISION, NOIDA				
SURVEYED & PREPARED BY	S.K.P. PROJECTS PVT. LTD. 201 - 205, Sri Sankar Complex, Near Maseji Crossing, Udaipur Road, Vadodra - 390010. Phone : (0265) 8451001/2 Fax : (0265) 2641059 (AN ISO 9001:2015 CERTIFIED COMPANY)				
PROJECT	ROUTE SURVEY AND GEOTECHNICAL INVESTIGATION WORK FOR "MUNDLA GORANGPUR LPG PIPELINE & MUNDLA WITH ROHAR LPG PIPELINE" PROJECT GROUP-C, DUMAD-BHOPAL SECTION (INCLUDING SPUR LINE)				
JOB NO.	SHEET OF : 01 OF 01				
DWG TITLE	CROSS SECTION				
SECTION	GROUP-C DUMAD-BHOPAL PIPELINE (RE ROUTE-1)				
DETAILS OF	NH-47 CROSSING AT PL CH.001+367.35M				
SCALE	DRAWING NO. : DWG.NO.SKP/IOCL/KGPL/DBPL/CS-351				
HOR 1:200 VER 1:100	REV. : 0				

