

CHECK-LIST

Guidelines for Project Directors for processing the proposal of laying MDPE Pipe Line by private parties in the land along National Highways vested with NHAI.

Relevant circulars

1. Ministry Circular No. RW/NH-33044/29/2015/S&R(R) Dated-22/11/2016.

Check list for getting approval for laying of MDPE Pipe Line on NH land

S. No.	Item	Information/Status	Remarks
1	General Information	Laying of MDPE Pipeline	
1.1	Name and Address of the Applicant	M/s Indraprastha Gas Limited, Arazi Number - 414 & 429 Rooma, Kanpur, Uttar Pradesh- 209402	
1.2	National Highway Number	NH-19	
1.3	State	UTTAR PRADESH	
1.4	Location		
1.5	(Chain age in km)	from 506.100 to 518.760 (LHS), from Km. 515.960 to Km. 516.960 (RHS), from Km. 518.380 to Km. 535.800(RHS), from Km. 521.380 to Km. 521.700 (LHS) & from Km. 544.900 to Km. 546.820 (RHS) & 12 crossing 125 mm MDPE at Km. 511.580, at Km. 512.660, at Km. 515.260, at Km. 515.960, at Km. 518.760, at Km. 520.620, at Km. 521.380, at Km. 522.200, at Km. 532.560, at Km. 544.900, at Km. 546.820 & crossing 100mm CS Pipeline at Km. 546.820. Total Length 33.320 Km. & 720 M Crossing in the state of Uttar Pradesh.	
1.6	Length in Meters	33.320 Km. & 720 M (12 Crossing)	

mit.g


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Arazi 414 & 429 Rooma, Kanpur-209402

1.7	Width of available ROW		
	(a) Left side from center line towards increasing chainage /km direction	30 M & 60 M (at Km.527.320 Toll Plaza)	
	(b) Right side from center line towards increasing chainage/km direction	30 M & 60 M (at Km.527.320 Toll Plaza)	
1.8	Proposal to lay the Pipe Line	UG MDPE Pipe Line	
	(a) Left side from center line towards increasing chainage/km direction	As per cleared and informed RoW by NHAI, at the time of permission/execution of work.	
	(b) Right side from center line towards increasing chainage/km direction	As per cleared and informed RoW by NHAI, at the time of permission/execution of work	
1.9	Proposal to acquire land	NO	
	(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 land acquisition required	
	If not then where to lay the Pipe Line	Crossing at Main Carriageway (Below Road)	
1.11	Details of already laid services, if any, along the proposed route		
1.12	Number of lanes (2/4 / 6/8 lanes) existing	6 lane	
1.13	Proposed Number of lanes (2 lane with paved shoulders/4/6/8 lanes)	NA	
1.14	Service road existing or not	YES	
	If yes then which side		
	(a) Left side from center line		
	(b) Right side from center line		
1.15	Proposed Service Road	NA	
	(a) Left side from center Line	NA	
	(b) Right side from center line	NA	
1.16	Whether proposal to lay Pipe Line is after the service road or between the service road and main carriageway	Crossing at Main Carriageway (Below Road)	

3/10/20

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Arazi 414 & 429 Roama, Kanpur-201 402

1.17	Whether carrying of sewage /gas pipe line has been proposed on highways bridges. If yes, the mention the methodology	NA	
1.18	Whether carrying of sewage/gas pipe line has been proposed on parapet/any part of the bridges. If yes, the mention the methodology	NA	
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.	YES, MDPE Pipe Line will be laid with HDD method for crossing	
	(a)Whether existing drainage structure allowed carrying utility pipeline.	NA	
	(b) Is it on a line normal to NH	Yes	
	(c)What is the distance of crossing the utility pipelines from the existing structures? Crossings shall not to be too near the existing structures on the National Highway, the minimum distance being 15 Meter	AS Per NHAI Norms	
	(d) The casing pipe (or conduit pipe in the case of Carbon Steel Pipe Line) 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/Pipe Line	NA	
	(e) Ends of the casing/conduit pipe /tower foundation shall be sealed from the outside, so that it does not act as a drainage path.	NA	
	(f) The casing/conduit pipe should ,as minimum extend from drain to drain in cuts and toe of slop in the fills	NA	
	(g) The top of the casing /conduit pipe /tower foundation should be at least 1.2 meter below the surface of the road subject to bring at least 0.3 m below the drain inverts.	NA	
	(h) Mention the methodology proposed for crossing of road the proposed UG Carbon Steel Pipe Line, Crossing shall be boring method (HDD) specially where the existing road pavements is of cement concrete or dense bituminous concrete type.	BY HDD Method Drawing of Method enclosed	
	(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	AS per NHAI Norms	


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	along it		
2.	Document/Drawings enclosed with the proposal	Drawing Enclosed	
2.1	Cross section showing the size of trench for open trenching method (Is it normal size of 1.6m deep x 0.3m wide) It should not be greater than 60 cm wider than the outer diameter of the pipe. Located as close to the extreme edge of the right-of-way as possible but not less than 15 meter from the center line of the nearest carriageway 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. These should be so laid that their top is at least 0.6 meter below the ground level so as not to obstruct drainages of the road land.	NA	
2.2	Cross section showing the size of pit and location of Pipe Line for HDD method	Drawing Enclosed	
2.3	Strip plan/Route Plan showing the OFC, Chain age, width of ROW, distance of proposed, Pipe Line from the edge of ROW, important mile stone, intersections, cross drainage works etc.	Yes, Drawing Enclosed	
2.4	Methodology for laying of Carbon Steel Pipe Line	By HDD method	
2.4.1	Open trenching method. If yes, Methodology of refilling of trench	NA	
2.4.2	Horizontal Directional Drilling (HDD) Method	Yes	
2.4.3	Methodology for Laying Carbon Steel Pipe Line Through CD Works And Method Of Laying (Whether to be hung outside parapet)	NA	
3.	Draft license Agreement signed by two witnesses	Yes	
4.	Performance Bank Guarantee	As per MoRTH Guideline	
4.2	Confirmation of BG has been obtained as per NHAI guidelines	As per MoRTH Guideline	
5	Affidavit/ Undertaking from the Applicant for the following is to be furnished	Enclosed	
5.1	Not to Damage to other utility, if damaged then to pay the losses either to NHAI or to the concerned agency.	Yes	


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5.2	Renewal of Bank Guarantee	Yes	
5.3	Confirming all standard condition of NHAI's guideline	Yes	
5.4	Shifting of Carbon Steel Pipe Line as and when required by NHAI	Yes	
5.5	Shifting due to 6 lanning / widening of NH	Yes	
5.6	Indemnity against all damages and claims clause (xxiv)	Yes	
5.7	Traffic movement during laying of Carbon Steel Pipe Line to be managed by the applicant	Yes	
5.8	If any claim is raised by the Concessionaries then the same has to be paid by the applicant	Yes	
5.9	Certificate for 6-lanning from the applicant in following format "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-lane or any other development."	Yes	
6.	Power of Attorney in favor of authorized signatory	Yes	
7.	Copy of DOT license	Yes	
8.	Certificate from the Project Director	NA	
8.1	Certificate for confirming of all standard condition issued vide Ministry Circular No. RW/NH-33044/17/2000-S&R dated 29.9.2000 and NHAI's guidelines issued vide No. NHAI/OEC/2k/Vol II dated 7.11.2000 and Ministry's Circular No. RW/NH-33044/27/2000-S&R dated 21.3.2006.	NA	
8.2	Certificate for 4-lanning from PD in the following format.	NA	
	(a) Where feasibility is available "I do certify that there will be no hindrance to proposed six-lane based on the feasibility report considering proposed structures 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-lane".	NA	

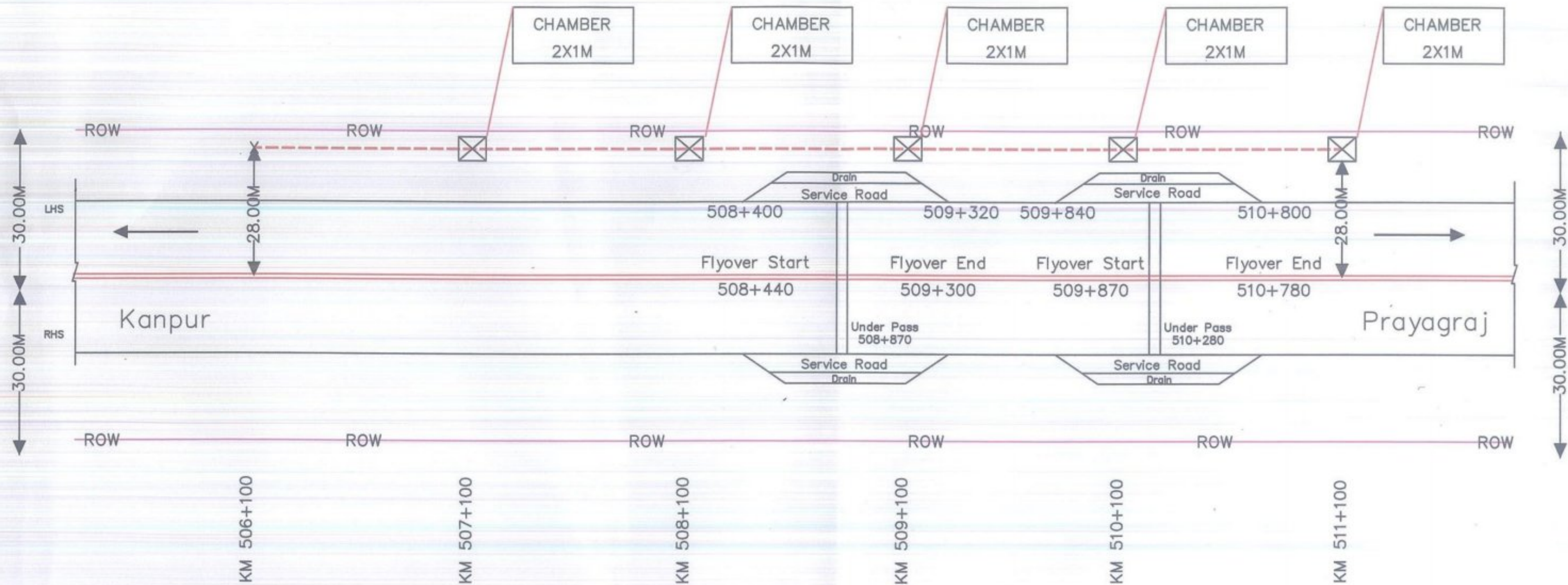
Signature

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Arazi 414 & 429 Rooma, Kanpur-209402

9.	The agreement fee of Rs. 1 shall be charged	Yes	
10.	If NH section proposed to be taken up by NHAI on BOT basis - a clause in para 17 to be inserted in the agreement. <i>"The permitted Highway on which Licensee has been granted the right to lay Pipe Line/duct has also Ben granted as a right of way to the concessionaire under the concession agreement for up=gradation of [..... section from Km ----- to km ----- of NMH No.- ----- on Build, Operate and Transfer Basis] and therefore, the licensee shall honour the same."</i>	NA	
11.	Who will supervise the work of laying of Carbon Steel Pipe Line	M/s Indraprastha Gas Limited	
12.	Who will ensure that the defects in road portion after laying of Carbon Steel Pipe Line are corrected and if not corrected then what action will be taken.	NHAI	
13.	Who will pay the claims for damages done/disruption in working of Concessionaire if asked by the Concessionaire	M/s Indraprastha Gas Limited	
14.	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) issued vide Ministry Circular No. RW/NH/33044/29/2015/S&R (R) dated 22.11.2016.	Yes	
15.	If any previous approval is accorded for laying of Pipe Line then Photocopy of register of records of permissions accorded as maintained by PD (as per Ministry Circular No. RW/NH/33044/29/2015/S&R (R) dated 22.11.2016) as referred in para 13 above is enclosed or not.	Yes	


 For M/s Indraprastha Gas Limited
AMIT DHAR
 (GA Head)
 Indraprastha Gas Limited
 Kanpur (Part) Fatehpur & Hamirpur
 Arazi 414 & 429 Rooma, Kanpur-209402
 Authorized Signatory

**STRIP PLAN OF LAYING U/G MDPE PIPELINE (125MM DIA) BY HDD METHOD ALONG/ACROSS
NH-19 KANPUR-PRAYAGRAJ ROAD FROM Km. 506.100 to Km. 511.100 (LHS)**



Existing Utility:

IGL Gas Pipeline & BSNL OFC

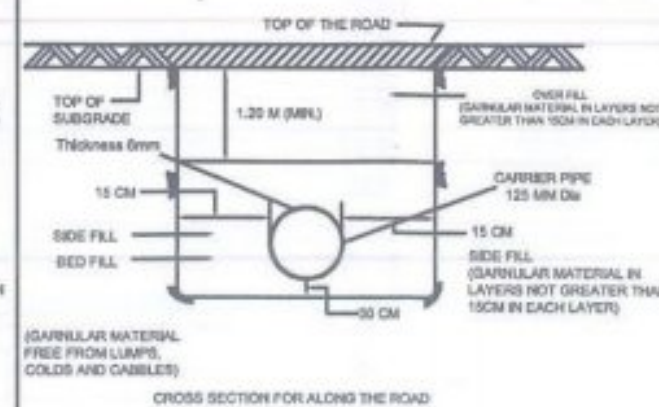
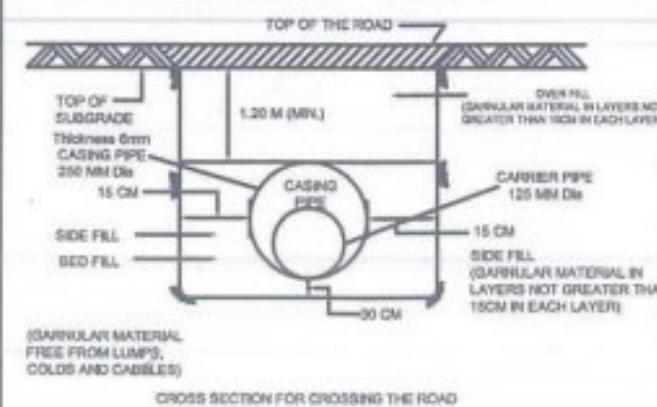
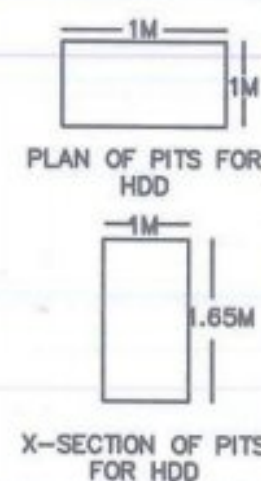
ROUTE LENGTH ON NH LAND LAYING U/G MDPE PIPELINE THROUGH HDD/TRENCH

ALONG LENGTH.....5000 M
 NO. OF CROSSING.....00
 NO. OF CHAMBER & SIZE06(2X1M)
 CROSSING LENGTH.....00 M
 TOTAL LENGTH.....5000 M

Legend: -

Proposed MDPE PIPELINE: -

RIGHT OF WAY: -



NOTES:-

1. Drawing has been prepared as per MORT&H GUIDELINES/CIRCULAR NO. RW/NH-33044/29/2015/S&R (R) DATED 11 Nov 2016.
2. THE UTILITY SERVICES SHALL BE LOCATED BEYOND THE TOE LINE OF THE EMBANKMENT AND DRAIN, AS CLOSE TO THE EXTREME EDGE OF THE ROW AS POSSIBLE.
3. THE TOP OF THE UTILITY SERVICES SHALL BE AT LEAST 1.2M BELOW THE GROUND LEVEL.

SUBJECT:

STRIP PLAN OF LAYING U/G MDPE PIPELINE (125MM DIA) BY HDD METHOD ALONG/ACROSS NH-19 KANPUR-PRAYAGRAJ ROAD FROM Km. 506.100 to Km. 511.100 (LHS)

AUTHORIZED SIGNATORY

[Signature]
AMIT DHAR
 (GA Head)
 Indraprastha Gas Limited
 Kanpur (Part) Fatehpur & Hemipur
 Plot No. 425, Road No. 209402

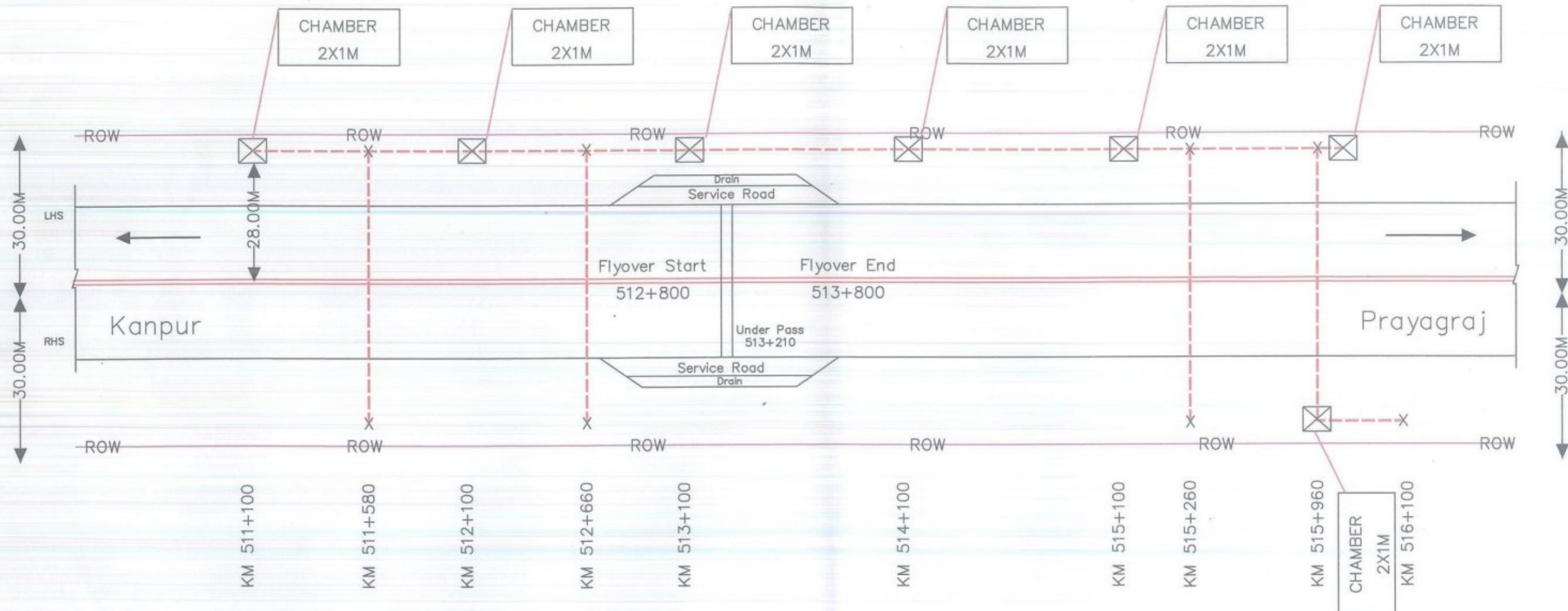
WORK AGE

DATE: 09/06/2025

SCALE: NTS

DRG NO. UP/MDPEPIPELINE/NH19/ 6/2025

**STRIP PLAN OF LAYING U/G MDPE PIPELINE (125MM DIA) BY HDD METHOD ALONG/ACROSS
NH-19 KANPUR-PRAYAGRAJ ROAD FROM Km. 511.100 to Km. 516.100 (LHS), from
Km.515.960 to Km.516.100(RHS) & Crossing at Km.511.580,at Km.512.660,at km.515.260 &
at Km.515.960**



Existing Utility:

IGL Gas Pipeline & BSNL OFC

ROUTE LENGTH ON NH LAND LAYING U/G MDPE PIPELINE THROUGH HDD/TRENCH

ALONG LENGTH.....5140 M

NO. OF CROSSING.....04

NO. OF CHAMBER & SIZE06(2X1M)

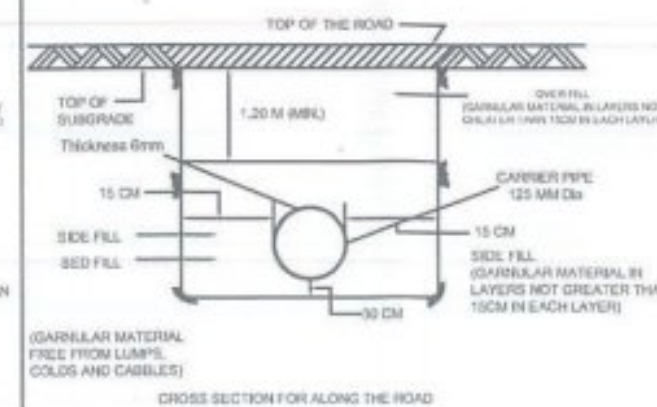
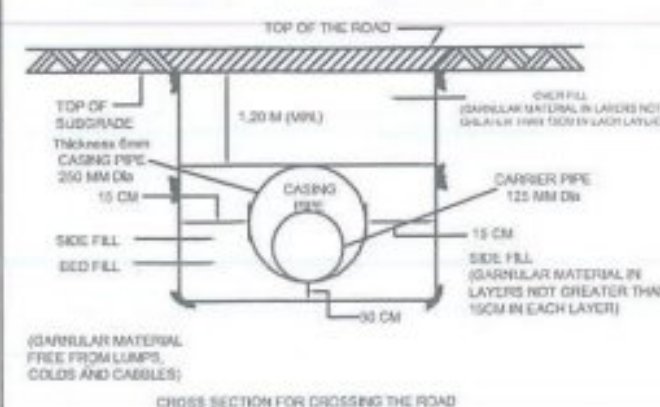
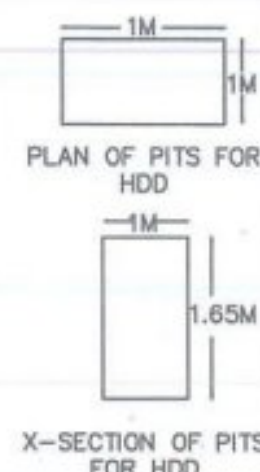
CROSSING LENGTH.....240 M

TOTAL LENGTH.....5380 M

Legend: -

Proposed MDPE PIPELINE: - - - - -

RIGHT OF WAY: - - - - -



NOTES:-

1. Drawing has been prepared as per MORT&H GUIDELINES/CIRCULAR NO. RW/NH-33044/29/2015/S&R (R) DATED 11 Nov 2016.
2. THE UTILITY SERVICES SHALL BE LOCATED BEYOND THE TOE LINE OF THE EMBANKMENT AND DRAIN, AS CLOSE TO THE EXTREME EDGE OF THE ROW AS POSSIBLE.
3. THE TOP OF THE UTILITY SERVICES SHALL BE AT LEAST 1.2M BELOW THE GROUND LEVEL.

SUBJECT:

STRIP PLAN OF LAYING U/G MDPE PIPELINE (125MM DIA) BY HDD METHOD ALONG/ACROSS NH-19 KANPUR-PRAYAGRAJ ROAD FROM Km. 511.100 to Km. 516.100 (LHS) & Crossing at Km.511.580,at Km.512.660,at km.515.260 & at Km.515.960

AUTHORIZED SIGNATORY

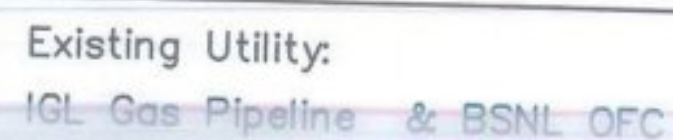
AMIT DHAR
(GA Head)

Indraprastha Gas Limited
Kanpur (Pali) Fatehpur & Hamirpur
Arazi 414 & 423 Roona, Kanpur-209402

DATE: JUNE 2025

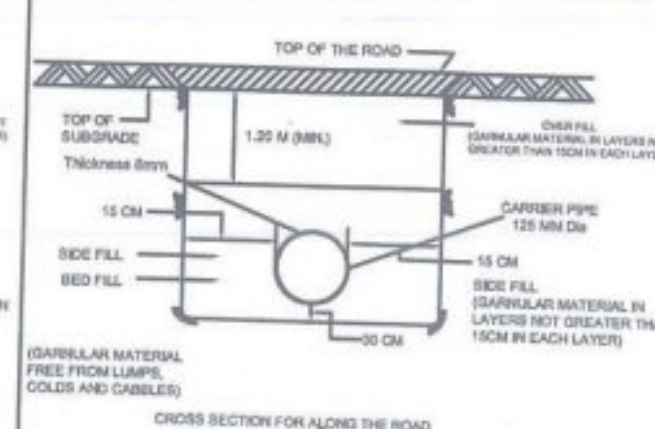
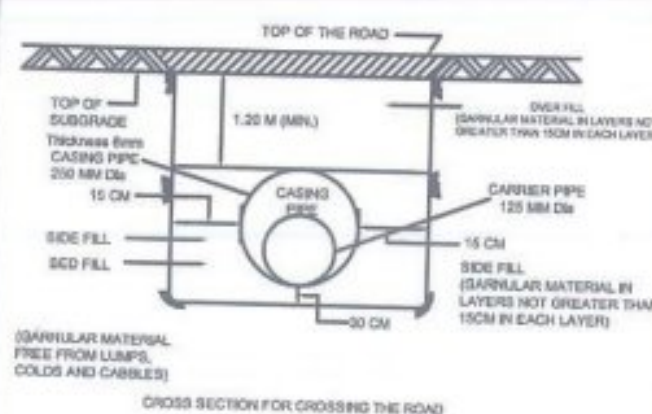
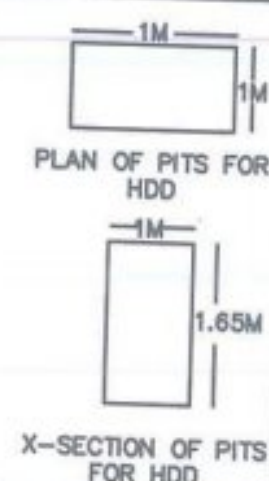
WORK AGE

DRG NO. UP/MDPEPIPELINE/NH19/ 6/2025



ROUTE LENGTH ON NH LAND LAYING U/G MDPE PIPELINE THROUGH HDD/TRENCH	
ALONG LENGTH.....	5940 M
NO. OF CROSSING.....	02
NO. OF CHAMBER & SIZE	06(2X1M)
CROSSING LENGTH.....	120 M
TOTAL LENGTH:.....	6060 M

Legend: —
Proposed MDPE PIPELINE:
RIGHT OF WAY: —



NOTES:-
1. Drawing has been prepared as per MORT&H GUIDELINES/CIRCULAR NO. RW/NH-33044/29/2015/S&R (R) DATED 11 Nov 2016.
2. THE UTILITY SERVICES SHALL BE LOCATED,BEYOND THE TOE LINE OF THE EMBANKMENT AND DRAIN, AS CLOSE TO THE EXTREME EDGE OF THE ROW AS POSSIBLE.
3. THE TOP OF THE UTILITY SERVICES SHALL BE AT LEAST 1.2M BELOW THE GROUND LEVEL.

STRIP PLAN OF LAYING U/G MDPE PIPELINE (125MM DIA) BY HDD METHOD ALONG/ACROSS NH-19 KANPUR-PRAYAGRAJ ROAD FROM Km. 516.100 to Km. 518.760 (LHS) & from Km.518.380 to Km.520.800(RHS) & Crossing at Km.518.760 & at Km. 520.620

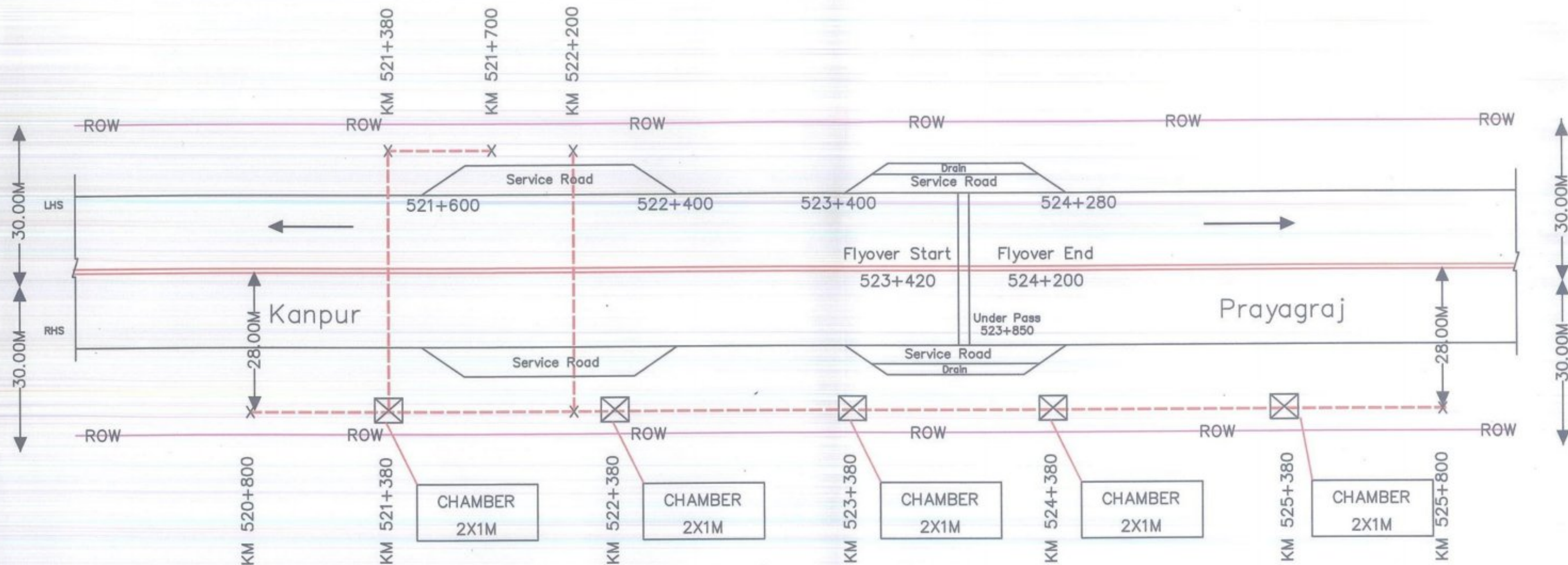
AUTHORIZED SIGNATORY

	WORK AGE
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AMIT DHAR

Indraprastha Gas Limited
Kanpur (Rat) Fatepur & Hamipur
Area 144 & 429 Roona, Kanpur-209402

**STRIP PLAN OF LAYING U/G MDPE PIPELINE (125MM DIA) BY HDD METHOD ALONG/ACROSS
NH-19 KANPUR-PRAYAGRAJ ROAD FROM Km. 520.800 to Km.525.800 (RHS), from
Lm.521.380 to Km.521.700(LHS) & Crossing at Km.521.380 & at Km. 522.200**



Existing Utility:

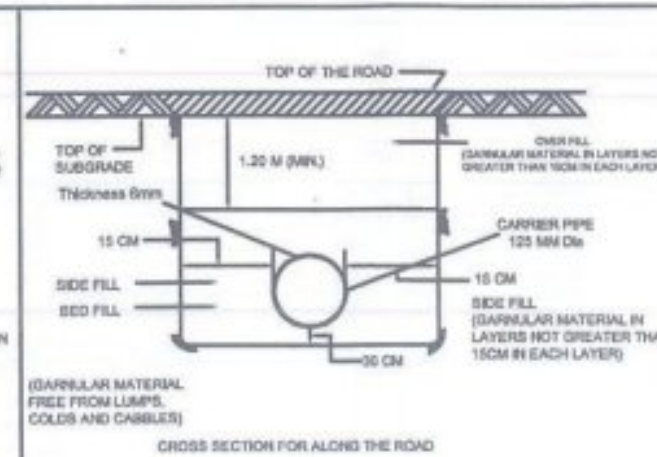
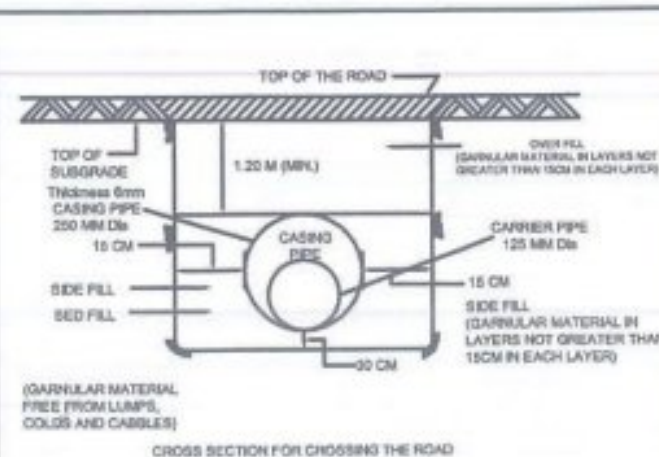
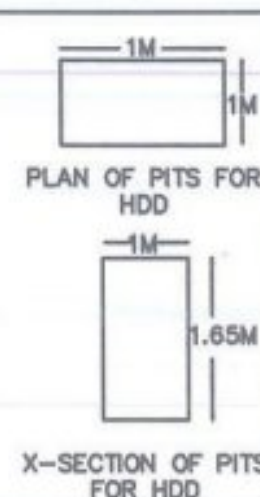
IGL Gas Pipeline & BSNL OFC

ROUTE LENGTH ON NH LAND LAYING U/G MDPE PIPELINE THROUGH HDD/TRENCH

ALONG LENGTH.....5320 M
NO. OF CROSSING.....02
NO. OF CHAMBER & SIZE05(2X1M)
CROSSING LENGTH.....120 M
TOTAL LENGTH.....5340 M

Legend: -
Proposed MDPE PIPELINE: - - - - -

RIGHT OF WAY: - - - - -



NOTES:-

1. Drawing has been prepared as per MORT&H GUIDELINES/CIRCULAR NO. RW/NH-33044/29/2015/S&R (R) DATED 11 Nov 2016.
2. THE UTILITY SERVICES SHALL BE LOCATED BEYOND THE TOE LINE OF THE EMBANKMENT AND DRAIN, AS CLOSE TO THE EXTREME EDGE OF THE ROW AS POSSIBLE.
3. THE TOP OF THE UTILITY SERVICES SHALL BE AT LEAST 1.2M BELOW THE GROUND LEVEL.

SUBJECT:

STRIP PLAN OF LAYING U/G MDPE PIPELINE (125MM DIA) BY HDD METHOD ALONG/ACROSS NH-19 KANPUR-PRAYAGRAJ ROAD FROM Km. 520.800 to Km.525.800 (RHS), from km. 521.380 to Km. 521.700(LHS) & Crossing at Km.521.380 & at Km. 522.200.

AUTHORIZED SIGNATORY

[Signature]
AMIT DHAR
(GA Head)

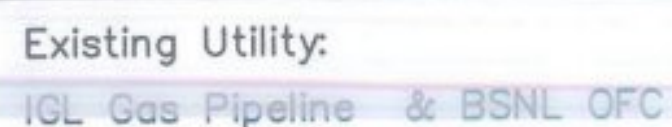
Indraprastha Gas Limited
Kanpur (Part) Patanpur & Hamirpur
Arazi 414 & 429 Rooms, Kanpur-209402

DATE: 06/08/2025

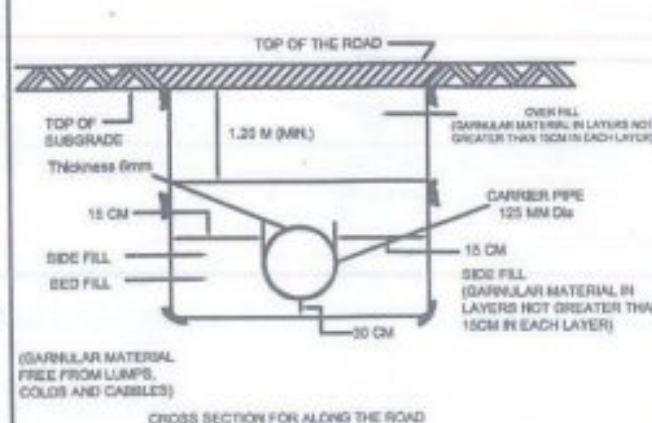
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WORK AGE

DRG NO. UP/MDPEPIPELINE/NH19/ 8/2025



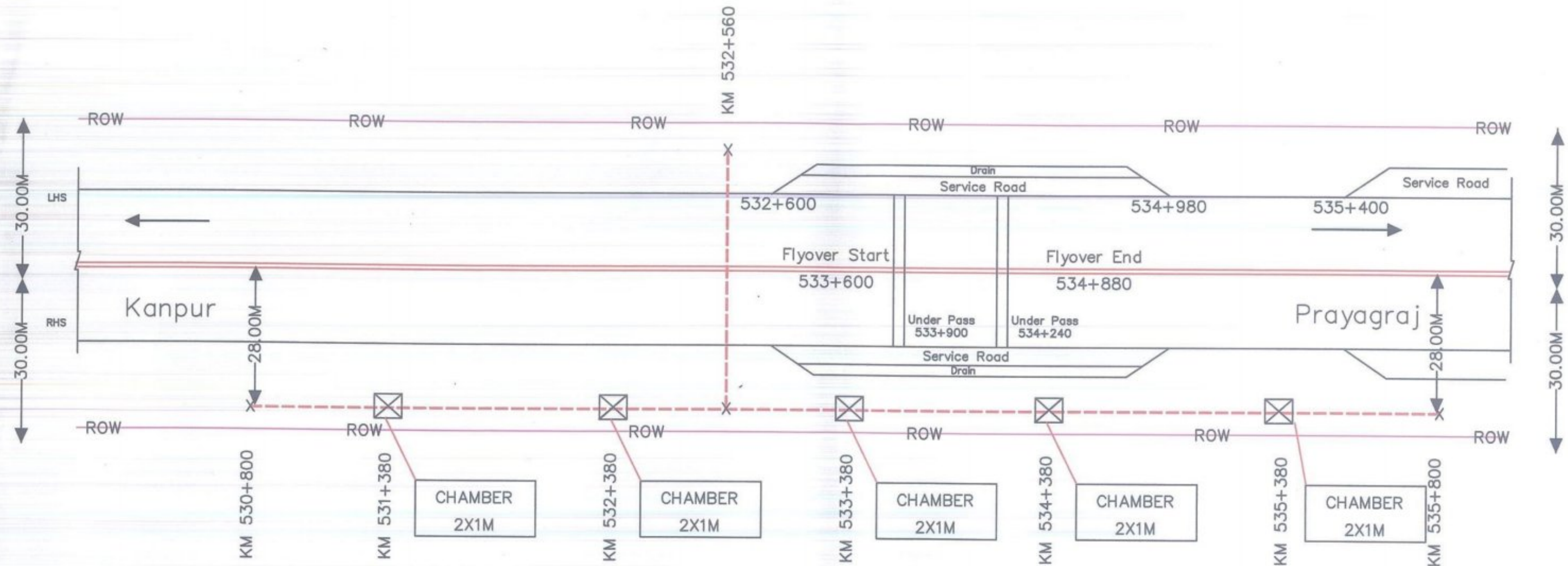
Legend: -
Proposed MDPE PIPELINE: ---
RIGHT OF WAY: _____



DATE: JUNE 2025

DRG NO. UP/MDPEPIPELINE/NH19/ 6/2025

**STRIP PLAN OF LAYING U/G MDPE PIPELINE (125MM DIA) BY HDD METHOD ALONG/ACROSS
NH-19 KANPUR-PRAYAGRAJ ROAD FROM Km. 530.800 to Km.535.800 (RHS) & Crossing at
Km.532.560.**



Existing Utility:

IGL Gas Pipeline & BSNL OFC

ROUTE LENGTH ON NH LAND LAYING U/G MDPE PIPELINE
THROUGH HDD/TRENCH

ALONG LENGTH.....5000 M
NO. OF CROSSING.....01
NO. OF CHAMBER & SIZE05(2X1M)
CROSSING LENGTH.....60 M
TOTAL LENGTH:.....5060 M

Legend: -

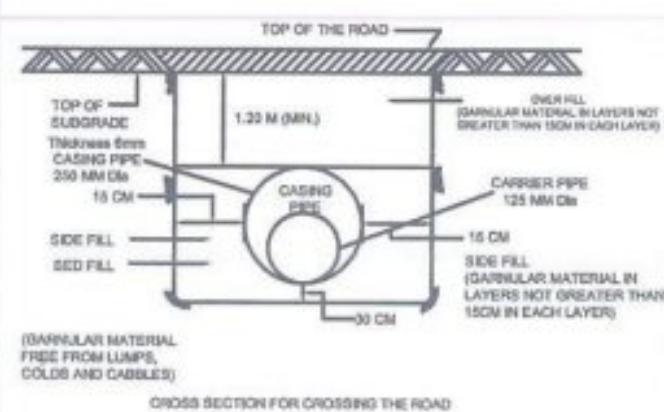
Proposed MDPE PIPELINE: -

RIGHT OF WAY: -

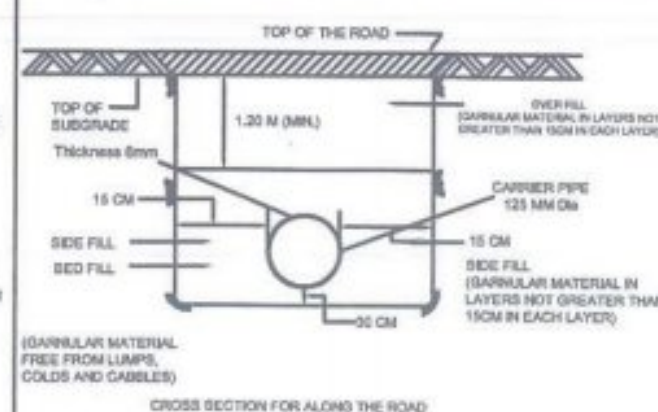
PLAN OF PITS FOR
HDD

1M
1.65M

X-SECTION OF PITS
FOR HDD



CROSS SECTION FOR CROSSING THE ROAD



CROSS SECTION FOR ALONG THE ROAD

NOTES:-

1. Drawing has been prepared as per MORT&H GUIDELINES/CIRCULAR NO. RW/NH-33044/29/2015/S&R (R) DATED 11 Nov 2016.
2. THE UTILITY SERVICES SHALL BE LOCATED BEYOND THE TOE LINE OF THE EMBANKMENT AND DRAIN, AS CLOSE TO THE EXTREME EDGE OF THE ROW AS POSSIBLE.
3. THE TOP OF THE UTILITY SERVICES SHALL BE AT LEAST 1.2M BELOW THE GROUND LEVEL.

SUBJECT:

STRIP PLAN OF LAYING U/G MDPE PIPELINE (125MM DIA) BY HDD METHOD ALONG/ACROSS NH-19 KANPUR-PRAYAGRAJ ROAD FROM Km. 530.800 to Km.535.800 (RHS) & Crossing at Km.532.560

AUTHORIZED SIGNATORY

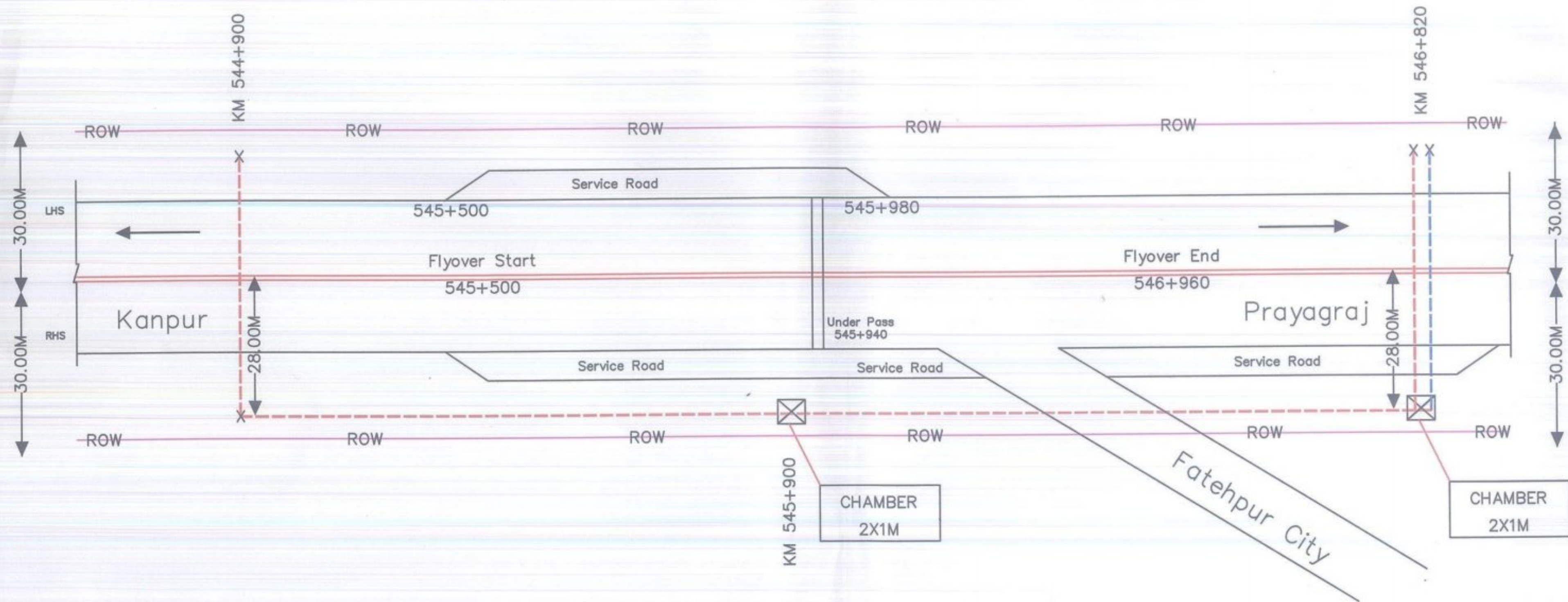
[Signature]
AMIT DHAR
(GA Head)

WORK AGE

DATE: JUNE 2025
Indraprastha Gas Limited
Kanpur Region, Prayagraj & Rampur
Arazi 414 & 429, Rooma, Kanpur-209402

DRG NO. UP/MDPEPIPELINE/NH19/ 6/2025

**STRIP PLAN OF LAYING U/G MDPE PIPELINE (125MM DIA) BY HDD METHOD ALONG/ACROSS
NH-19 KANPUR-PRAYAGRAJ ROAD FROM Km. 544.900 to Km.546.820 (RHS) & Crossing at
Km.544.900 & at Km. 546.820(125 MM MDPE & 100 MM CS PIPELINE).**



Existing Utility:

IGL Gas Pipeline & BSNL OFC

ROUTE LENGTH ON NH LAND LAYING U/G MDPE & CS PIPELINE THROUGH HDD/TRENCH

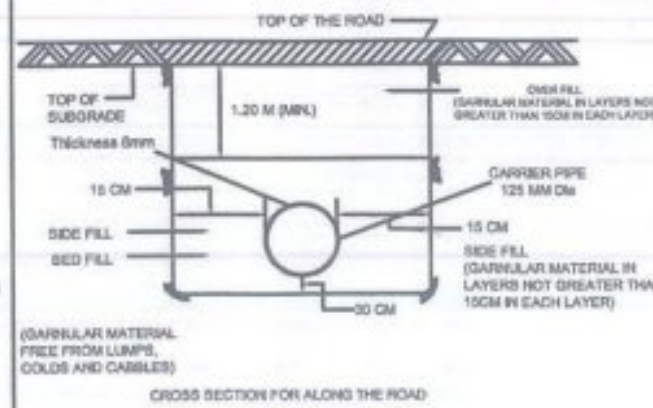
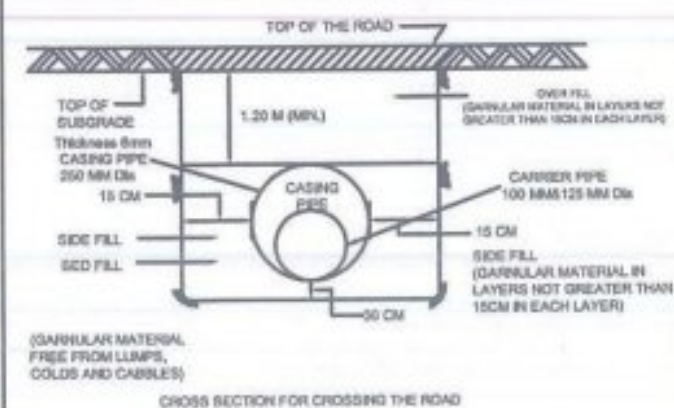
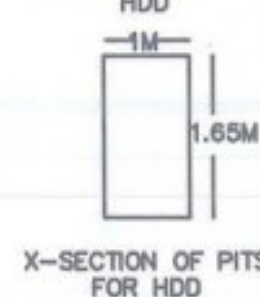
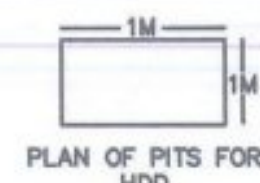
ALONG LENGTH.....1920 M
NO. OF CROSSING.....03
NO. OF CHAMBER & SIZE05(2X1M)
CROSSING LENGTH.....180 M
TOTAL LENGTH:.....2100 M

Legend:-

Proposed MDPE PIPELINE: ---

Proposed CS PIPELINE: ---

RIGHT OF WAY: ---



NOTES:-

1. Drawing has been prepared as per MORT&H GUIDELINES/CIRCULAR NO. RW/NH-33044/29/2015/S&R (R) DATED 11 Nov 2016.
2. THE UTILITY SERVICES SHALL BE LOCATED BEYOND THE TOE LINE OF THE EMBANKMENT AND DRAIN, AS CLOSE TO THE EXTREME EDGE OF THE ROW AS POSSIBLE.
3. THE TOP OF THE UTILITY SERVICES SHALL BE AT LEAST 1.2M BELOW THE GROUND LEVEL.

SUBJECT:

STRIP PLAN OF LAYING U/G MDPE PIPELINE (125MM DIA) BY HDD METHOD ALONG/ACROSS NH-19 KANPUR-PRAYAGRAJ ROAD FROM Km.544.900 to Km.546.820 (RHS) & Crossing at Km.544.900, at Km. 546.820(125 MM MDPE & 100 MM CS PIPELINE)

AUTHORIZED SIGNATORY

[Signature]

AMIT DHAR
(GA Head)

Indraprastha Gas Limited
Kanpur (GAS) Limited
429 Rooms, Kanpur-205002

WORK AGE

DATE: JUNE 2025 SCALE: 1:1000

DRG NO. UP/MDPEPIPELINE/NH19/ 6/2025