भारतीय राष्ट्रीय राजमार्ग प्राधिकरण
(सड़क परिवहन और राजमार्ग मंत्रालय)
National Highways Authority of India
(Ministry of Road Transport & Highways)
क्षेत्रीय कार्यालय, चेन्नई / Regional Office, Chennai
'श्री टावर' 3rd मंजिल, DP-34 (SP), इंडस्ट्रीयल एस्टेट, गिण्डि, चेन्नई - 600 032
'SRI TOWER', 3rd Floor, DP-34 (SP), Industrial Estate, Guindy, Chennai - 600 032.

दूरभाष/Tele : 91-44-2225 2635
फैक्स/Fax : 91-44-2225 2636
ई-मेल/ E-mail: rochennai@nhai.org

NHAI/11019/15/2009/RO Chennai/1887 04th July, 2020

Invitation of Public Comments

Sub: NHAI, RO Chennai – PIU – Coimbatore - Coimbatore six laning from Km 102.035 to Km 144.680 on the Chengapalli to start of Coimbatore Bypass and four laning from Km 170.880 to Km 183.010 on end of Coimbatore bypass to TN/Kerala Border section of NH-47 (New No.NH-544) – M/s.Indian Oil Corporation Limited – Request – Permission for laying of a Public Utility – "City Gas Distribution (CGD) Pipeline and Optic fiber cable from Km170/880 to Km176/520 along NH-544 (Salem – Kochi Highway)– Regarding.

The proposal is regarding permission for laying underground "City Gas Distribution (CGD) Pipeline and Optic fiber cable from Km170/880 to Km176/520 along NH-544 (Salem – Kochi Highway)in the State of Tamil Nadusubmitted to this office by the PD, PIU, Coimbatore letter No. NHAI/PD/ Gas Pipeline/NH-47/ 2019/ 2252dt: 20.12.2019

2. The available width of ROW is 60m (30 + 30) and it is proposed to lay the pipeline on the Utility Corridor as per site conditions on RHS of NH-544.DGM (PJ-CGD), M/s. IOCL, Coimbatorehas proposed to lay Carbon Steel Pipe (API 5L x 52 grade), 12.75" diameter and 6.4mm wall thickness with 3 layer polythene coated for laying of Natural gas Distribution pipelines and 40mm dia OFC Cable along the road at a depth of 1.2 m below the ground level. Further, the applicant has proposed to adopt Open Trench method along the road and by HDD method as per requirement on RHS on increasing chainage from Km 170/880 to Km 176/520 at the extreme. end of RoW

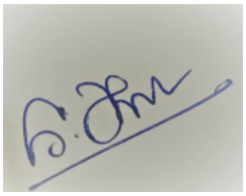
3. DGM (PJ-CGD), M/s. IOCL, Coimbatore has furnished an undertaking to move the utility line for any work of improvement or repairs to the road, if NHAI considers if necessary in future, it will be carried out as desired by the NHAI at their cost within a reasonable time (not exceeding 60 days) of the intimation given. Further, the applicanthas furnished the undertaking for payment of rent / fee as mentioned in the Ministry's Circular No. RW/NH-33044/29/2015-S&R dt. 22.11.2016 as when asked by NHAI.

4. As per the guidelines issued by the Ministry vide letter No.RW/NH-33044/29/2015/ S&R(R) dated 22.11.2016, the proposal submitted by DGM (PJ-CGD), M/s. IOCL, Coimbatorewill be made available for 30 days seeking public comments/objections and the comments shall be furnished within 30 days from the day of closure of public objections.

In view of the above, comments of the public on the above proposal are invited and may be sent to the below mentioned address:

The Regional Officer
National Highways Authority of India
(Ministry of Road, Transport & Highways)
SRI Tower, 3rd Floor
DP - 34 (SP), Industrial Estate,
Guindy - Chennai-600 032

Yours faithfully,



(G.Athipathi)
Manager (Tech)
For Regional Officer, NHAI, Chennai

Copy to:

1. NHAI website
2. The NIC, New Delhi - for uploading in the Ministry's website.
3. PD, NHAI, Coimbatore – for information

[illegible]

[illegible]

[illegible]

REF/CD/[illegible] Date: 13.10.2016

To
The Project Director,
Office of the Project Director
Project Implementation Unit,
National Highways Authority of India,
Chennai-[illegible]

Sub: Permission for laying of a Public Utility - City Gas Distribution (CGD) Pipeline along NH 5[illegible] Chennai-Kolkata Highway in Tamilnadu Highways [illegible] Section to KM 17[illegible]

Dear Sir,

At the outset, we convey our sincere gratitude for [illegible] the above of our proposal for laying of steel pipeline along Mamallapuram to Nellore [illegible] (KM [illegible] to KM [illegible]). Now we are in the process of obtaining permissions for further development of CGD network in Chennai [illegible]. As part of CGD network we are proposing to lay the pipeline along NH 5[illegible] from KM [illegible] to KM 75/320. The proposed specification of [illegible] carbon steel pipe API 5L X52 grade, [illegible] inches diameter and 6 mm wall thickness, 3 layer polyethylene coated as per below details

Details of Road is as follows:

S.No	Road name	NHAI Chainage From	NHAI Chainage To	Length in Km	Proposed Pipeline size	Pipe Laying side
	NH 5[illegible] Chennai-Kolkata Highway	[illegible]	[illegible]	[illegible]	[illegible]	Along Right hand side [illegible]

[illegible]

[illegible]

[illegible]

Chainage from [illegible] to [illegible]. Adequate [illegible] will be [illegible] on safety [illegible] to the [illegible] ongoing traffic and [illegible]. The pipeline design and construction shall conform to all statutory [illegible] standards and [illegible] laid down in OISD- 226, International standard ASME B 31.8 etc.

The laying of HDPE cable [illegible] to the pipeline is for operating, supervisory control and data acquisition for pipeline operation and maintenance above and not for commercialization. [illegible] cable will run along with the pipeline for usage within the organization only.

Shut off valves shall be installed at a spacing of [illegible] KMs [illegible] for valve [illegible] and maintenance purpose. The valve will be under ground with valve chamber [illegible] Operated remotely.

The following documents are enclosed along with this application to facilitate in expedite crossing permission:

i) Authorised Signatory [illegible]
ii) NH Checklist – Annexure II
iii) PNGRB authorization letter – Annexure III
iv) Structural [illegible] for open cut – Annexure IV
v) HDD model drawing – Annexure V
vi) Laying Method [illegible] – Annexure VI
vii) Lease deed – Annexure VII
viii) Undertakings I & II – Annexure VIII
ix) Certificate – Annexure IX
x) Brick Valve chamber & shut off valve – Annexure X
xi) Strip plan – Annexure XI
xii) License fee and BG calculation – Annexure XII

It is requested to kindly accord permission for laying of Steel pipeline for CGD network along the above mentioned National Highway.

Thanking you,

Yours faithfully,

[illegible]

[illegible]

Indian Oil Corporation Ltd.

[illegible]

[illegible]

[illegible] DIVISION

[illegible]

[illegible]

[illegible]

Thanking you,
Yours faithfully

[illegible]

[illegible]
Indian Oil Corporation Ltd.

[illegible]

Guidelines for Project Directors for processing the proposal of laying 12.75" MS Pipes by IOCL Pipelines division in NH land along National Highway 544 vested with NHAI.

- Relevant circulars

1) MoRTH Circular No. [illegible] Dated: 22.1.2015

Check list for getting approval for laying of 12.75" MS Pipes on NH land

S. No.	Item	Information Sought	Remarks
1	General Information		
1.1	Name and Address of the Applicant	Mr. G.V. Satyanarayana Executive General Manager (PE-Civil) Indian Oil Corporation Limited Southern Region Pipelines [illegible] [illegible] 13th Street, Sivananda Nagar, Podanur, Coimbatore 641034	
1.2	National Highway Number	NH-544	
1.3	State	Tamilnadu	
1.4	Location	Ullimadai to Pichanur	
1.5	Chainage in km	[illegible] KM [illegible]	[illegible]
1.6	Length in Meters	5810	
1.7	Width available ROW	60 M	
	(a) Left side from center line towards increasing chainage km direction	30 M	
	(b) Right side from center line towards increasing chainage km direction	30 M	
1.8	Proposal is for laying underground [illegible] along with OFC		
	(a) Left side from center line towards increasing chainage km direction	NA	
	(b) Right side from center line towards increasing chainage km direction	[illegible]	
1.9	Proposed crossing type		
	(a) Left side from center line	NA	
	(b) Right side from center line	NA	
1.10	Whether proposed [illegible]	Yes	
	[illegible]	NA	

[illegible]

[illegible]	[illegible]	N.A.	
[illegible]	Number of lanes (2/4/6/8 lanes) existing	[illegible]	
[illegible]	Proposed number of lanes (2 lane with paved shoulders/4/6/8 lanes)	N/A	
1.14	Service road existing or not		
	(i) Yes: (a) On side	Yes	
	(b) Left side from center line	Yes	
	(c) Right side from center line	Yes	
1.15	Proposed service road	No	
	(a) On side	N/A	
	(b) Left side from center line	N/A	
	(c) Right side from center line	N/A	
1.16	Whether proposed sewage pipe is after the service road or between the service road and main highway	Utility Corridor as per site conditions	RHS
1.17	Whether carrying of sewage/gas pipeline has been proposed on highway bridge i) Yes, then mention the methodology proposed in the same.	N/A	
1.18	Whether carrying of sewage/gas pipeline has been proposed on the carriageway part of the bridge ii) Yes, then the methodology proposed in the same.	NA	
1.19	Crossing of the road involved i) Yes, then it shall be crossed by pipes to through the structure or cardul specially built for that purpose at the expenses of agency owning the line.	N/A	
	Whether existing structure allowed to carry sewage/gas pipeline	NA	
	a) Is it in the line as per IS NH	NA	
	b) What is the distance of crossing the sewage/gas pipeline from the existing structure Crossing should not be too near to existing structure on National Highway the minimum distance should be 15 meters	NA	
	c) [illegible] pipe in the case of [illegible] carrying the utility line [illegible] steel, cast iron or [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]	NA	
	Revised type of casing d) [illegible] casing/conduit shall be [illegible] the outside, so that it cross [illegible]	N.A.	
	[illegible]	N.A.	

[illegible]

	[illegible] top of the casing/conduit cannot be at least 1.2 meters below the surface of the road subject to a depth of at least 0.3 meter below the drain level. Maintain the proposed details.	NA
	f) Modify the methodology for crossing of road for the proposed sewer/gas pipeline. Crossing shall not by using machine (I.E. TRENCHLESS TECHNOLOGY), specially, where the existing road pavement is of concrete concrete or cross bitumen concrete type.	Upon Out Side Condition
	If the casing/conduit pipe shall be installed with an inner bearing throughout its length and in such a manner as to prevent the formation of stagnant water.	NA
2	Document / Drawings indicated with the stages	Provided
2.1	Cross section showing the size of trench for open trenching method. (e.g. normal size of 2m depth x 0.3m width)	Yes
	a) Should not be greater than 30cm wider than the outer diameter of pipe.	
	b) Located as close to the extreme edge of the ROW as possible and not less than 1m away from the centre line of the nearest carriage way.	
	c) Shall not be permitted to run along the eastern highway when the road formation is situated in double cutting, nor shall be laid over existing culverts and bridge.	
	d) It should be laid so that their top is at least 0.5 meter below the ground level so as the construction should not hand.	
2.2	Cross section showing the size of all road crossing machine (I.E. 3D method)	Provided
2.3	Skippable route plan showing the pipeline, gas / water, drainage, sewer, ROW, direction of proposed pipeline, the pipeline in ROW, proposed road crossing, intersection, cross drainage works etc.	Provided
2.4	Methodology for laying of pipe	
2.4.1	Open trenching method (may be allowed in rural areas only where sufficient inner carriage concrete or dense bituminous concrete type)	[illegible] pipeline [illegible] and roll on trench with the excavated soil [illegible]

	If yes, what is the methodology of refilling of trench.	Screening 50mm [illegible]
	a) The bed width should be at least 50cm but not more than 50cm wider than outer diameter of the pipe	Yes
	b) For the filling of the trench, backfill shall be in a layer of not less than 30cm. It shall consist of granular material, free of large rocks and boulders and placed to yield a firm surface without sudden change in the bearing value. Unsuitable soil and rock edges should be excavated and replace by selected material.	Yes
	c) The backfill shall be completed in two stages. First to the level of the top of the pipe and normal to the bottom of the road crust	Yes
	d) For side fill shall consist of granular material such in each layer each compacted by mechanical tamping and controlled watering to a density 95% of the material's density. Overfill shall be compacted to the same density as material has been removed. Consolidation by saturation or ponding will not be permitted	Yes
	e) The road crust shall be built to the same strength as existing crust of either side of the trench. Care shall be taken to avoid flat or steep trench	yes
	f) The excavation shall be primarily by [illegible] but be restricted to daylight hours	Yes
	g) If required, a resident engineer shall be consulted at the expense of agency owning utility line	Yes
7.4.1	Backfill material and compaction Method	As [illegible]
7.4.2	Laying Plastic gas pipelines through LID works and method of laying in case where the existing trench is gas pipeline or sewer pipeline	NA
8	Post Utility Restoration Requirements	Engineer

	[illegible]		
[illegible]	Performance Bank guarantee in favour of NHAI has to be obtained at Rs 1,00,000/- per running meter (parallel to NH) and Rs 1,10,000/- per crossing of NH for period of one year initially (extendable if required) till satisfactory completion of work, as a security for ensuring timely and satisfactory completion of work, as a pipeline laying, filling and connection placing pipes/cases/ducts produced due to excavation of trenching at least 500 away from the edge of ROW. No payment shall be payable to NHAI for the increase for seeking deferment in performance BG as per above is in so outlined	Will be submitted on receipt of approval note from NHAI	
[illegible]	Confirmation of DD has been obtained as per NHAI guidelines	NA	
[illegible]	Availability of Undertaking from the Applicant for [illegible]		
[illegible]	Not to Damage to [illegible] any, if damaged then to pay the [illegible] either to NHAI or to the concerned agency.	Enclosed	
5.2	Renewal of Bank Guarantee	Later stage	
5.3	Conforming all standards condition of NHAI guidelines and ministry's order.	Yes	
5.4	Shifting of Natural gas pipeline as and when required by NHAI	Undertaking enclosed	
5.5	Shifting of Natural gas pipeline due to bridge widening of NH	Undertaking enclosed	
5.6	Indemnity against all damages and claims clause (any)	Undertaking enclosed	
5.7	Traffic management during laying of Natural gas pipeline to be managed by the applicant.	Undertaking enclosed	
5.8	If any claim is raised by the Concessionaire then the same to be paid by the applicant	Undertaking enclosed	
[illegible]	Prior approval of NHAI [illegible] before taking any work [illegible] Natural gas pipeline by other utility [illegible]	Yes	
5.10	Responsibility if any incurred to NHAI in repairing any damage caused to all the [illegible] laying, maintenance [illegible] Natural gas pipeline borne by applicant agency during the line	Yes	
[illegible]	[illegible]		

[illegible]

[illegible]	Undertaking from applicant in following format [illegible] laying of Natural Gas pipeline will not having any conditions either on any of the single component and roadway safety of traffic. 2. "We do undertake that have all relocate service roads/pipelines resultfully at my own [illegible] notwithstanding the permission granted within such time as will be obtained by "NH" for future six laning or any other development work	Enclosed
[illegible]	"We will sign the agreement on behalf of Natural gas pipeline agency Power of Attorney to sign the agreement is available on record	[illegible] (Bi-lingual), Certificate Yes
7.	Certificate of conducting all standard [illegible] issued vide Ministry of Road Transport and Highway, Circular no NH-[illegible] DATED [illegible], RW/NH-[illegible] DATED [illegible] 1992, RW/NH-11337/98 DOI (i) DATED 28.07.1993, RW/NH-[illegible] DATED 25.10.1990 and Circular no RW/NH-[illegible] DATED [illegible] 2004	Enclosed
[illegible]	Undertaking from PIU in following format a) "It is certified that any other location of the Natural gas pipeline would be inconvenient without and unreasonably costly and installation of Natural gas pipeline within ROW will not adversely affect the design stability structural safety of the highway nor are likely to impede improvement such as widening the carriage way, raising the surface etc. b) For [illegible] i. [illegible] by a competent [illegible] certificate [illegible] ii. [illegible]	Enclosed

9	[illegible]	NA
10	Who will ensure that the crossing of Natural gas pipeline are corrected and if not corrected then what action will be taken. a) On behalf of applicant b) On behalf of NHAI	[illegible] Coimbatore [illegible] Coimbatore Yes [illegible] Coimbatore [illegible] Coimbatore [illegible]
11	Who will pay the claims for damages due/disruption in working of Concessionaire if asked by the Concessionaire? On behalf of applicant	[illegible] Coimbatore
12	A certificate from PIU that it will enter the proposed permission in the register of records of the permissions in the prescribed proforma (copy enclosed)	Enclosed
13	If any previous approval is accorded for laying of Natural gas pipeline (with photocopy of register of records of permissions accorded as mentioned by PIU [illegible])	NA

[illegible]

DGM(P) [illegible], Coimbatore
[illegible]

PROJECT DIRECTOR
NHAI, COIMBATORE

[illegible]

[illegible]

[illegible]

Petroleum and Natural Gas Regulatory Board

[illegible]

[illegible] Floor, World Trade Centre, Babar Road, New Delhi – 110001

[illegible] September 2015

To

Indian Oil Corporation Limited
[illegible] Floor, Core-[illegible], Imp. Complex,
[illegible] Mahatma Gandhi Road,
New Delhi – 110001

Subject: Grant of authorization to Indian Oil Corporation Limited for development of City gas Distribution Network in the Geographical Area of Coimbatore District

Sir,

With reference to Indian Oil's request for Performance Bank Guarantee for Geographical Area vide your letter dated [illegible].2015, as per the requirement under Regulation [illegible] of the Petroleum and Natural Gas Regulatory Board (Authorizing Entities to Lay, Build, Operate or Expand City or Local Natural Gas Distribution Network) Regulations, 2008, please find enclosed authorization in Schedule-II for the GA of Coimbatore District in Bagalkot [illegible].

2. The above application is as per the directions of Hon'ble Supreme Court of India in the SLP No. 22211 of 2012.

3. You are requested to sign your name & signature on each page of the authorization and send one copy within 30 days of receipt of this communication to the PNGRB for records.

4. The process authorization issues with the consent of the Board.

Yours faithfully,

Encl: As above.

[illegible]
Additional Advisor

Schedule-C

[See paragraphs [illegible] and [illegible]]

Grant of Authorization for laying, building, operating or expanding CGD network

To

Indian Oil Corporation Limited
[illegible] Floor, Centre-1, Scope Complex,
9 Institutional Area, Lodhi Road,
New Delhi- 110003

Subject: Grant of Authorization to Indian Oil Corporation Limited for development of City Gas Distribution Network in the Geographical Area of Coimbatore District.

Sir,

With reference to your application cum bid for grant of authorization for laying, building, operating or expanding the CGD network in Coimbatore District in the state of Tamil Nadu, I am hereby entitled to grant you the authorization subject to the Petroleum and Natural Gas Regulatory Board (Authorizing Entities to Lay, Build, Operate or Expand City or Local Natural Gas Distribution Networks) Regulations, 2008 subject to the following terms and conditions:

1. The Authorization for laying, building, operating or expanding the mentioned CGD Network shall cover an area of [illegible] square kilometre and as depicted in the map [illegible].
2. The activities of laying, building, operating or expanding of the CGD Network shall commence immediately after the issuance of this authorization.
3. The activities permitted above shall have to be completed as per the work programme mentioned below, namely: -

Serial Number	Description of Work	Number
1	Number of CNG Stations (Online and Daughter Booster stations) to be installed within 8 contract years from the date of authorization	[illegible]
2	Number of domestic PNG (Natural Gas connections) to be installed within 8 contract years from the date of authorization	[illegible]
3	Inch-km of steel pipelines to be laid within 8 contract years from the date of authorization	[illegible]

[illegible]

[illegible] necessary steps to [illegible] each [illegible] work programme [illegible] [illegible] [illegible] per details given below:

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	Nil	[illegible]	Nil	[illegible]	[illegible]
[illegible]	20	[illegible]	[illegible]	[illegible]	20
[illegible]	30	[illegible]	30	[illegible]	40
[illegible]	30	[illegible]	[illegible]	[illegible]	60
[illegible]	40	[illegible]	60	[illegible]	70
[illegible]	60	[illegible]	[illegible]	[illegible]	80
[illegible]	80	[illegible]	90	[illegible]	90
[illegible]	100	[illegible]	100	[illegible]	100

Note:- In case derived numbers are in fraction, the same shall be rounded off to the nearest whole number. [illegible] shall be rounded off to next higher whole number.

[illegible] Any failure on the part of the entity in complying with the milestones present but in the work programme shall [illegible] consequences as specified under regulation 16.

[illegible] The entity shall design and [illegible] size of the infrastructure in terms of pipelines of various [illegible] including [illegible] the [illegible] and the [illegible] of adequate capacity for evacuation of natural gas into CGD [illegible] and facilitate the CGD network depending upon the potential demand for natural gas. The infrastructure in the CGD network should be [illegible] to maintain uninterrupted flow of natural gas in the pipelines and [illegible] able to maintain supplies at [illegible] pressure to online CNG stations.

[illegible] The entity shall maintain an uninterrupted supply of natural gas to all consumers [illegible] in the CGD network. In the event of any disruption in the supply of natural gas in the CGD Network, the entity shall [illegible] to notification of supplies to domestic PNG consumers. In case of disruption of supply to domestic PNG consumers for [illegible] twelve hours, the entity shall compensate [illegible] is entitled to be [illegible]:

(a) [illegible] the normative [illegible] natural gas consumption for the [illegible] domestic PNG connection for cooking [illegible] month [illegible] on the basis [illegible] calculated average [illegible] per day to be applied for [illegible] days disruption [illegible] by [illegible]

(b) [illegible] shall be passed on to all the customers [illegible], gas not supplied [illegible] first domestic PNG [illegible] expenses; and

(c) the value of compensation [illegible] of natural gas consumption [illegible] multiplied by cumulative value [illegible] credit to the domestic PNG customer in the next billing cycle or in the next prepaid [illegible].

(2) The disposition of complaints [illegible] any one of the domestic PNG [illegible] compensation [illegible] by the entity.

7. Exclusivity allowed in [illegible] under the Petroleum and Natural Gas Regulatory Board (Exclusivity for City or Local Natural Gas Distribution Networks) Regulations, 2008 in respect of the following ranges:

(a) 300 months from the date of issue of this authorization for laying, building and expansion of the CGD network; and

(b) 96 months from the date of issue of this authorization in terms of exemption from the purview of being common carrier or contract carrier for the CGD network.

Provided that the entity meets the obligations in line with the Petroleum and Natural Gas Regulatory Board (Exclusivity for City or Local Natural Gas Distribution Networks) Regulations, 2008.

Provided further that the period of exclusivity allowed under sub-clause (a) or sub-clause (b) may be terminated before the expiry of the period mentioned above, in line with the provisions under Petroleum and Natural Gas Regulatory Board (Exclusivity for City or Local Natural Gas Distribution Networks) Regulations, 2008.

8. The authorised entity shall be required to take prior approval from the Board for creation of any lien, charge or hypothecation of the CGD network to secure finance for the project and furnish details of the institution or lenders. And, in case of raising funds from any financial institution or bank, the entity shall be required to notify and inform the Board of the sanction of the funds within a period of seven days.

9. The entity shall submit a detailed financial closure report to the Board within a period of two hundred and seventy days from the date of authorisation issued by the Board under regulation 10.

[illegible]
[illegible] KUMAR
[illegible]
[illegible]
[illegible]
[illegible]
[illegible]
1st Floor, World Trade Centre
[illegible] Road, New Delhi
[illegible]

[illegible]

[illegible]	[illegible]	Rate
[illegible]	[illegible]	24
[illegible]	[illegible]	[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible] Board in public interest from time to time.

We request you to confirm your acceptance by filling in the particulars of the [illegible] authorisation provided below and returning a copy in original.

Yours faithfully,

Date:

Name and Designation of Officer
On behalf of the PNCHB

(Official Seal)

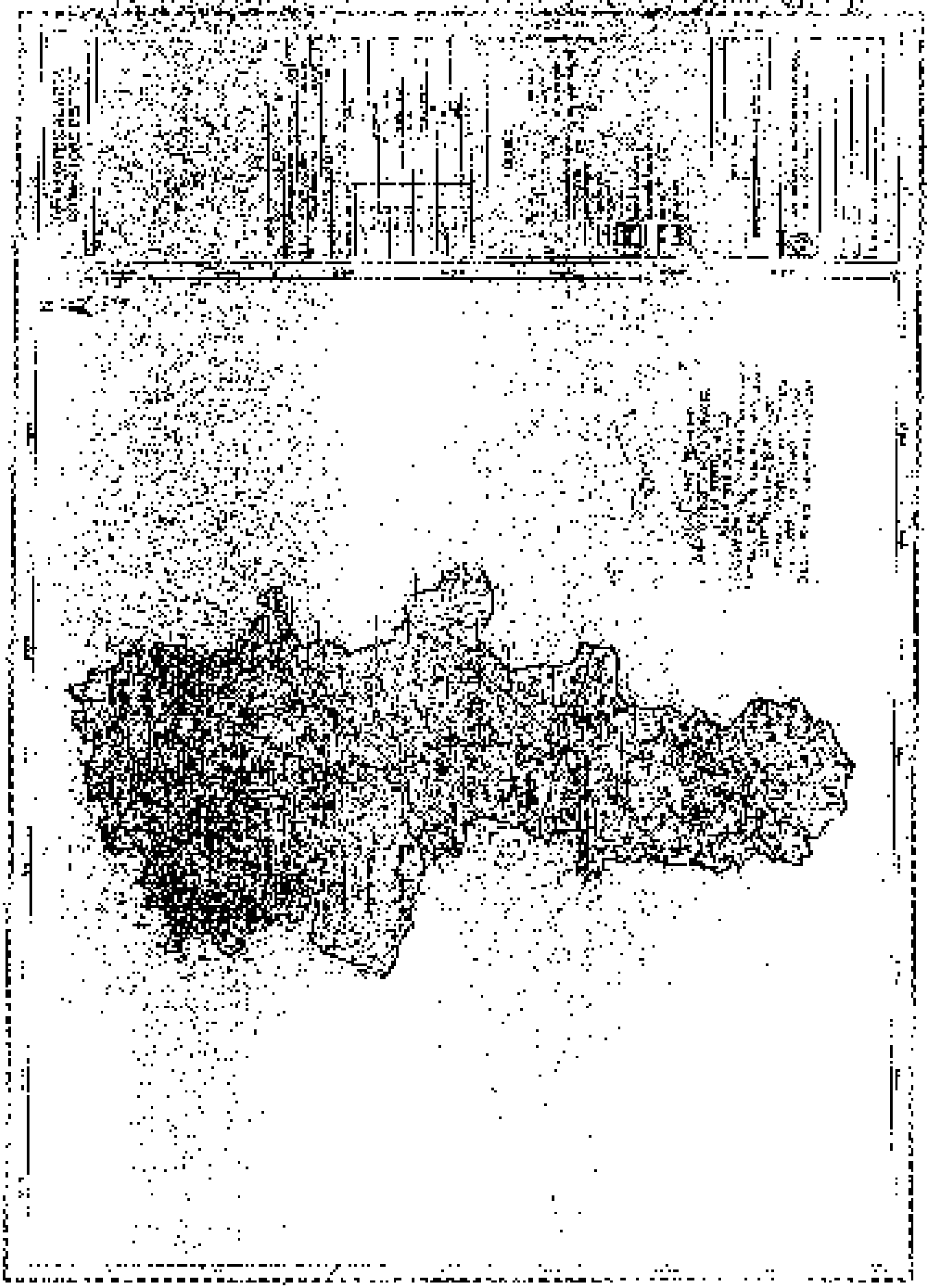
Acceptance of the Grant of Authorisation

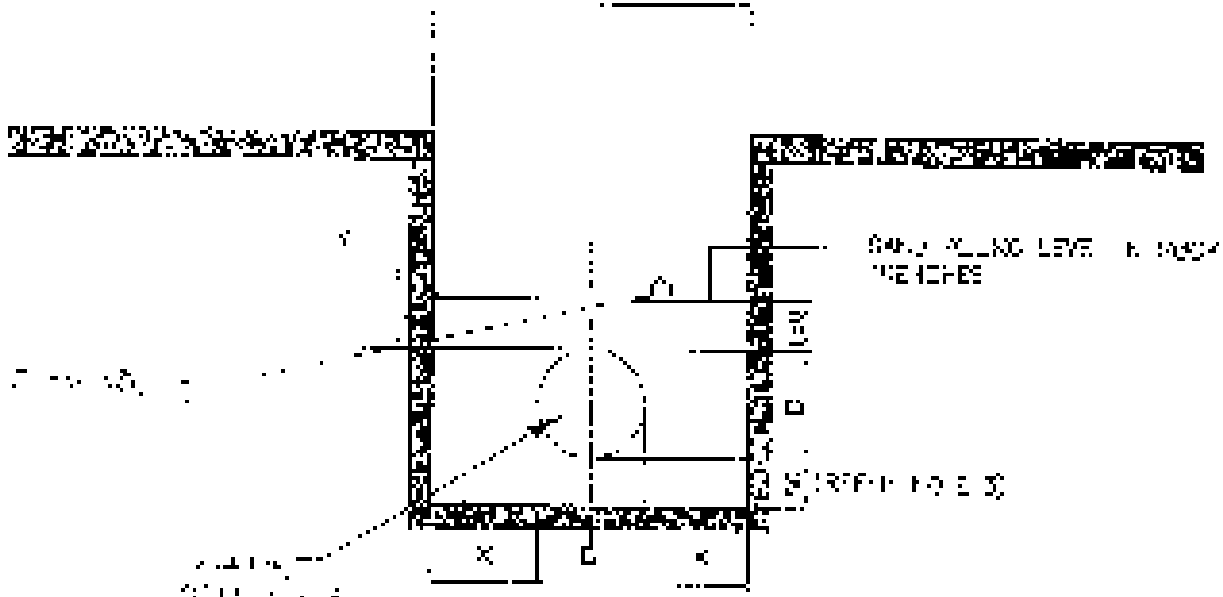
I/We hereby accept the grant of authorisation issued by the PNCHB vide letter ____ dated ____ and undertake to comply with all the terms and conditions subject to which I/We have been granted the authorisation to develop, facilitate, operate and maintain site or local central pipelined network in the authorised area of ____ in the State or the Union Territory of ____.

Date:

Place:

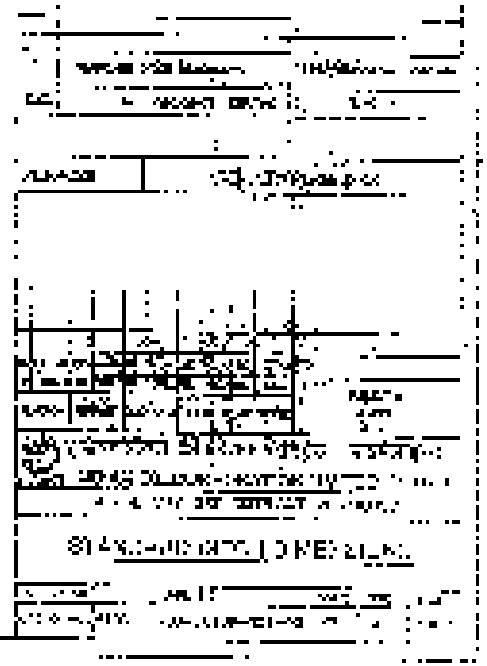
Signature of the Entity or Authorised Signatory
Name and Official Seal





STANDARD DITCH DIMENSIONS

TABLE



STANDARD DITCH DIMENSIONS

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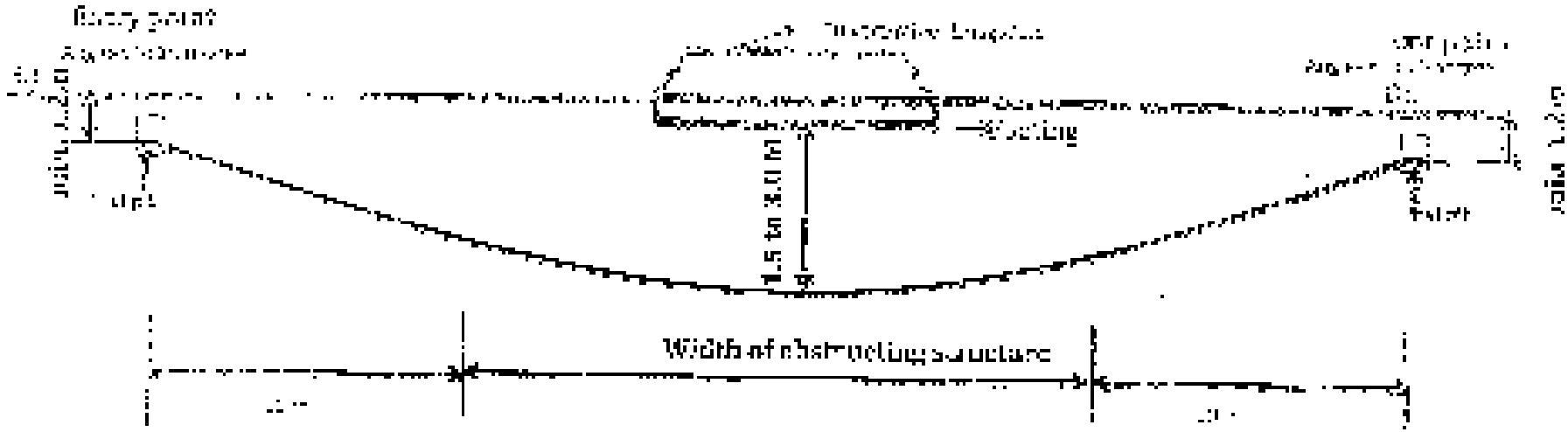
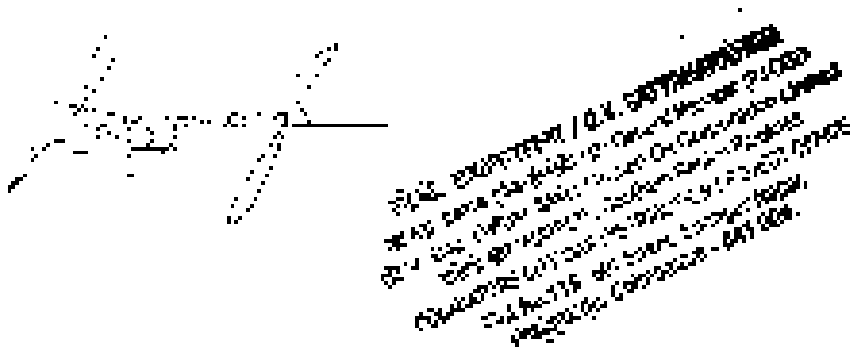

Buoy point
Width of obstructing structure



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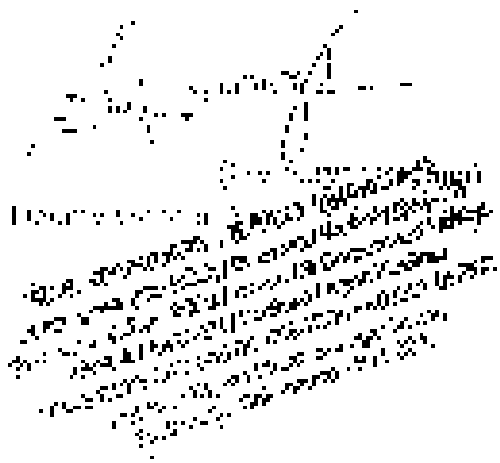
Methodology for Laying Pipes through Trenching & Trenchless (HDD)

1. **Trenching Method:**
   Laying of Pipe along the mentioned route will be done by conventional method with assistance of machine Trenching method. The dimension of the Trench will be 1.5m in depth and 1.5m in width. The pipe laying work will be carried out in channel manner in such a way that after the Pipes are laid the trench will be restored to its Original surface. Excavating trenches of required width for pipes, cables, etc including excavation for sockets, and dressing of sides, ramming of bottoms, depth up to 1.5 m, from top of pipe including getting out the excavated soil and then returning the soil as required, in layers not exceeding 20 cm in depth, including consolidating each deposited layer by ramming, watering, etc. and disposing of surplus excavated soil as directed, within a lead of 500m.

2. **Trench Filling Method:**
   As a measure of abundant precaution against future settlement and other allied problems, only sand or granular material will be used in filling backfilling of trenches. The entire depth of cutting will be filled consistent coarse sand or the excavated material, compacted in layers not exceeding 20cm when compacted by ordinary power roller/vibrator compactor. Special compaction equipment like plate compactor, frog hammer will be utilized besides ordinary power roller.

3. **Trenchless Crossing: HDD Method**
   Horizontal Directional Drilling (HDD) is a technique for installing product pipes, including utility lines, below ground using a surface-mounted drilling rig that launches and places and drills at a shallow angle to the surface and has tracking and steering capabilities. In recent years HDD has been the preferred methodology due to several government policies conducive to infrastructure growth. Major crossings on the Route will be done by Horizontal Directional Drilling method without disturbing the road surface. Slurry liquid used in HDD will be disposed off at suitable locations.



தமிழ்நாடு TAMILNADU

M. DORAISWAMY
STAMP VENDOR
No. 6, Gandhi Irwin Road,
Egmore, Chennai-600 008.

AGREEMENT REGARDING GRANTING RIGHT OF WAY PERMISSION FOR PROPOSED OF UTILITY SERVICES ON NATIONAL HIGHWAYS AS PER RULE 18 (A)(iii)

Application by Underground Gas pipeline along National Highway No. 1-A (Jammu KM 172.800 to KM 173.800) for Indian Oil Corporation Limited, Grinding Gas Distribution Division, Southern Region pipelines, by proposed use of HDD Method (Trenchless Method)

AN AGREEMENT made this Second month of February 2018 between NATIONAL HIGHWAYS AUTHORITY OF INDIA (hereinafter called the "Authority" which expression shall, unless excluded by or repugnant to the context, include its successors in office and assigns of the one part) and INDIAN OIL CORPORATION LIMITED, SOUTHERN REGION PIPELINES, CHENNAI (hereinafter called the Licensee which expression shall, unless excluded by or repugnant to the context, include its successors and permitted assigns) of the second Part.

WHEREAS, the Authority is responsible for creation, development and maintenance of access on NH 70/NH 5 to KM 170.000 to KM 176.000 of NH-1A R/W

WHEREAS, the licensee proposes to lay Pipeline along with OFC cable referred to as utility services in subsequent paras. Whereas the licensee has applied to the Authority for permission to lay utility services from highway chainage KM.170/880 to KM.176/520 along NH-544 for City gas distribution (CGD) project.

AND WHEREAS, the Authority has agreed to grant such permission for way leave on the NH RoW as per terms and conditions hereinafter mentioned.

Now this Agreement witness that, in consideration of the conditions hereinafter contained and on the part of the Licensee to be observed and performed, the Authority hereby grants to the licensee permission to lay utility services (underground Natural gas steel pipeline for City gas distribution network) as per the approved drawing attached hereto subject to the following conditions, namely;-

1. RoW permissions are only enabling in nature. The purpose of extending the way leave facility on National Highway RoW is not for enhancing the scope of activity of a utility service provider, either by content or by intent. Further, enforceability of the permission so granted shall be restricted only to the extent of provisions/scope of activities defined in the license agreement and for the purpose for which it is granted.

2. No licensee shall claim exclusive right on the Row and any subsequent user will be permitted to use the RoW, either above or below or by side of the utilities laid by the first user subject to technical requirements being fulfilled. Decision of the Authority in relation to fulfillment of technical requirements shall be final and binding on all concerned parties. In case any disruption/damage is caused to any existing user by the subsequent user, the Authority shall not be held accountable or liable in any manner.

3. The Licensee shall be responsible for undertaking all activities including but not limited to site identification, survey, design, Engineering, arranging finance, Project Management, obtaining regulatory approvals & necessary clearances, supply of equipment, material, construction, erection, testing and commissioning, maintenance and operation and all other activities essential or required for efficient functioning of their own utility/industrial infrastructure facilities.

4. The licensee shall pay license fees @ Rs_____/sqm/Month to the Authority. The license fee shall become payable from the date of handing over of RoW land the Licensee, for laying of utilities/ Cables/Conduits/pipelines for infrastructure/service provider. As regards Tariff and Terms and conditions for providing common utility ducts along National highways, there shall be separate agreement regime.

5. Fee shall have to be paid in advance for the period for which permission is granted for entering in to a license agreement. In case of renewal, rate prevailing at the time of renewal shall be charged. Delay in deposition of fee shall attract interest @ 15% per annum compounded annually.

6. Present policy of the MoRT&H is to provide a 2.00m wide utility corridor on either side of the extreme edge of RoW. In cases where utility ducts with sufficient space are already available along NH, The utility services shall be laid in such ducts subject to technical requirements being fulfilled.

7. The utility services shall be laid at the edge of the RoW. In case of restricted width of RoW, which may be adequate only to accommodate the carriage way, central verge, shoulders, slopes of embankment, drains, other road side furniture etc: the utility services shall be laid beyond the toe line of the embankments and clear of the drain.

8. The Licensee shall make his own arrangement for crossing of cross drainage structures, rivers,etc. below the bed. In case this is not feasible, the utility services may be carried outside the railings/parapets and the bridge superstructure. The fixing and supporting arrangement with all details shall be required to be approved in advance from the concerned Highway Administration. Additional cost on account of fixing and supporting arrangement as assessed by the Authority shall be payable by the licensee.

9. In exceptional case where RoW is restricted the utility services can be allowed beneath the carriage way of the service road if available, subject to the condition that the utility services be laid in concrete ducts, which shall be designed to carry traffic on top. The width of the duct shall not be less than one lane. In such cases, it is also needs to ensure the maintenance of the utility services shall not interfere with the safe and smooth flow of traffic. The cost of operation and maintenance will have to be borne by the Licensee.

10. It is to be ensured that at no time there is interference with drainage of the road land and maintenance of the National Highways. Towards this the top of the utility services shall be at least 0.6 meter below the ground level. However, any structure above ground shall be aesthetically provided for /landscaped with required safety measures as directed by the concerned authority.

11. The utility services shall be permitted to cross National Highways wither through structure or conduits specially built for that purpose. The casing/ conduit pipe should, as minimum extend from drain to drain in cuts and toe of slope to toe of slope in the fills and shall be designed in accordance with the provision of IRC and executed following the specifications of Ministry.

12. Existing drainage structures shall not be allowed to carry the lines across.

13. The top of the casing/conduit pipe containing the utility services to cross the road shall be at least 1.2m below the top of the subgrade or the existing ground level whichever is lower subject to being at lease 0.3m below the drain inverts. A typical sketch showing the clearances is given in the attachment-I.

14. The utility services shall cross the National Highway preferable on a line normal to it or as nearly as practicable.

15. The casing/conduit pipe for crossing the road may be installed under the road embankment either by boring or digging a trench. Installation by boring method shall be preferred.

16. In case of trenching the sides of the trench should be done as nearly vertical as possible. The trench width should be at least 30cm but not more than 60cms wider than the outer diameter of pipe. Filling of the trench shall conform to the specifications contained herein below or as supplied by the Highway Authority.

    a. Bedding shall be to a depth 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 edges should be excavated and replaced by selected material.
    b. The backfill shall be completed in two stages (1) side fill to the level of the top of the pipe (2) overfill to the bottom of the road crust.
    c. The side fill shall consist of granular material laid in 15cm. Layers each consolidated by mechanical tamping and controlled addition of moisture to 95% of Proctor density. Overall shall be compacted to the same density as a material that has been removed consolidation by saturation or ponding will not be permitted.
    d. The road crust shall be built to the same strength as the existing crust on either side of the trench or to thickness and specifications stipulated by the highway authority

17. The licensee shall ensure making good the excavated trench for laying utility services by the proper filling and compaction, so as to restore the land in to the same condition as it was before digging the trench, clearing debris/ loose earth produced due to execution of trenching at least 50m away from the edge of the right of way

18. All required restoration work subsequent to laying of the cable shall be required to be undertaken by the licensee at its cost either by itself or through its authorized representative in consultation with the authority as per predetermined time schedule and quality standards.

19. Prior to commencement of any work on the ground a performance bank guarantee @Rs. ---------per route metre/ Rs.------ Per Sq.m with a validity of one year initially (extendable if required till satisfactory completion of work) shall have to be furnished by the licensee to the Authority/ its designated agency as a security against improper restoration of ground in terms of filling/ unsatisfactory compaction damages caused to other underground installations/ utility services & interference, interruption, disruption or failure caused thereof to any services etc. In case of the licensee failing to discharge the obligation of making good of the excavated trench/ other restoration work, the Authority shall have a right to make good the damages caused by excavation, at the cost of the licensee and recover the amount by forfeiture of the Bank Guarantee.

20. In case, the Performance Bank Guarantee is invoked as mentioned above, the Licensee shall be required to replenish and reinstate the required Performance Bank Guarantee within one month of such invoking. In case the work contemplated herein is not completed to the satisfaction of the Authority, which has granted the permission, within a period of one year. Notwithstanding this, the licensee shall be liable to pay full compensation to the aggrieved Authority/ its designated agency for any damage sustained by them by reason of the exercise of the RoW facility.

21. The licensee shall shift the utility service within 90days (or as specified by the respective Authority) from the date of issue of the notice by the concerned authority to shift/ relocate the utility services, in case it is so required for the purpose of improvement/ widening of the road/ route/ highway or construction of flyover/ bridge and restore the road/ land to its original conditions at his own cost and risk.

22. The Licensee shall be responsible to ascertain from the respective agency in coordination with Authority, regarding the location of other utilities/ underground installations/ facilities etc. The Licensee shall ensure the safety and security of already existing underground installations/ utilities/ facilities etc. before commencement of the excavation/ using the existing cable ducts. The Licensee shall procure insurance from a reputed insurance company against damages to already existing underground installations/ Utilities/ facilities etc.

23. The Licensee shall be solely responsible/ liable for full compensation/ indemnification of concerned agency/ aggrieved Authority for any direct, indirect or consequential damage caused to them/ claims or replacements sought for, at the cost and risk of the Licensee. The concerned agency in coordination with Authority shall also have a right make good such damages/ recover the claims by forfeiture of Bank Guarantee.

24. If the Licensee fails to comply with any condition to the satisfaction of the Authority, the same shall be executed by the Authority at the cost and risk of the Licensee.

25. Grant of License is subject to the Licensee satisfying (a) minimum disruption of traffic and (b) no damage to the highways. As far as possible, the Licensee should avoid cutting of the road for crossing highway, and other roads and try to carry out the work by trenchless technology. In case any damage is caused to the road pavement in this process, the Licensee will be required to restore the road to the original condition at its cost. If due to unavoidable reasons the road needs to be cut for crossing or laying utility services, the Licensee has to execute the restoration work in a time bound manner at its cost either by itself or through its authorized representative in consultation with the Authority as per predetermined time schedule and quality standards. In case of the Licensee failing to discharge the obligation of making good of the damages caused by excavation, at the cost of the Licensee and recover the amount by forfeiture of the Bank Guarantee.

26. The Licensee shall inform/ give a notice to the concerned agency designated by the authority at-least 15 day in advance with route details prior to digging trenches, for fresh or maintenance/ repair works. A separate Performance Bank Guarantee for maintenance/ repair works shall have to be furnished by the licensee.

27. Each day the extent of digging the trenches should be strictly regulated so that utility services is laid and trenches filled up before the close of the work that day. Filling should be completed to the satisfaction of the concerned agency designated by the authority.

28. The Licensee shall indemnify the concern agency in coordination with Authority against all damages and claims if any due to the digging of trenches for laying cables/ ducts.

29. The Permission for laying utility services is granted maximum for 5 years at a time, which can thereafter be considered for renewal. On payment of additional fee at the time of renewal, the permission shall automatically be renewed, unless default exits. In case of renewal, rate prevailing at the time of renewal shall be charged. Delay in deposition of fee shall attract interest @15% per annum compounded annually.

30. The permission shall be valid only for the period it is issued and fee deposited. However, the Authority also has a right to terminate the permission or to extend the period of Agreement.

31. That the Licensee shall not undertake any work of shifting, repairs or alterations to the utility services without prior written permission of the concerned agency in coordination with the Authority.

32. The permission granted shall not in any way be deemed to convey to the Licensee any ownership right or any interest in route/ road/highway land/ property, other than what is herein expressly granted. No use of NH RoW will be permitted for any other than that specified in the Agreement.

33. During the subsistence of this Agreement, the utility services located in highway land/ property shall be deemed to have been constructed and continued only by the consent and permission of the Authority so that the right of the licensee to the use thereof shall not become absolute and indefeasible by lapse of time.

34. The Licensee shall bear the stamp duty charged on this agreement.

35. Three copies of "as laid drawings" of the utilities (hard and soft copies) with geo-tagged photographs and geo-tagged video recordings of laying of cables in the trench (with respect to NH) and after complete restoration shall be submitted to the Authority for verification and record within a month of completion of works.

36. The Licensee shall allow the free access to the Site at all times to the authorized representatives of Authority to inspect the project facilities and to investigate any matter within their Authority, and upon reasonable notice, shall provide reasonable assistance necessary to carry out their respective duties and functions.

37. The utility services shall not be made operational by the Licensee unless a completion certificate to the effect that the utility services has been laid in accordance with the approved specifications and drawings and the trenches have been filled up to the satisfaction of the concerned agency in coordination with the Authority has been obtained. Notwithstanding anything contained herein, this agreement may be cancelled at any time by the Authority for the breach of any condition of the same and the Licensee shall neither be entitled to any compensation for any loss caused to it by such cancellation not shall it be absolved from any liability already incurred.

38. The Licensee shall ensure adherence to relevant Indian Standards and follow the best industry practices, methods and standards for the purpose of ensuring the safe, efficient and economic design, construction, commissioning, operation, repair and maintenance of any part of the utility lines/Industrial infrastructure facilities and which practices, methods and standards shall be adjusted as necessary to take account of

   a) Operation, repair and maintenance guidelines given by the manufacturers,
   b) The requirements of Law

c) The physical conditions at the site and
d) The Safety of operating personnel and human beings.

39. The Licensee shall have to provide safety measures like barricading, danger lighting and other necessary caution boards while executing the work.

40. While laying utility services, at least one lane of road shall be kept open to traffic at all times. In case of single lane roads, a diversion shall be constructed. If any traffic diversion works are found necessary during the working period such diversion shall be provided at the cost of the Licensee.

41. After the termination /expiry of the agreement, the Licensee shall remove the utility services within 90 days and the site shall be brought back to the original condition failing which the Licensee will lose the right to remove the utility services. However before taking up the work of removal of the utility services the Licensee shall furnish a Bank guarantee to the Authority for a period of one year for an amount assessed by the Authority as a security for making good the excavated trench by proper filling and compaction, clearing debris, loose earth, produced due to excavation of trenching at least50m away from the edge of the RoW.

42. Any disputes in interpretation of the terms and conditions of this agreement or their implementation shall be referred to the redress mechanism prevailing in the Ministry and the decision of the redress mechanism shall be final and binding on all.

43. For PPP projects, in case of any loss incurred by the respective project concessionaries due to such laying/shifting of utility services by the licensee, compensation for the same shall be required to be borne by the licensee in mutual agreement with the respective project concessionaries. MoRT&H/NHAI/implementing authorities for the project shall not be liable to the concessionaire in any way in this regard.

This agreement has been made in duplicate on a stamp paper, Each party to this agreement has retained one stamped copy each.

IN WITNESS WHEREOF THE PARTIES HERETO HAVE CAUSED THIS AGREEMENT TO BE EXECUTED THROUGH THEIR RESPECTIVE AUTHORISED REPRESENTATIVES THE DAY AND THE YEAR FIRST ABOVE WRITTEN.

SIGNED SEALED AND DELIVERED FOR ON BEHALF OF AUTHORITY.

BY SHRI_____

SIGNED ON BEHALF OF M/s INDIA OIL CORPORATION LIMITED (LICENSEE)

BY SHRI G.V. Satyanarayana

HOLDER OF GENERAL POWER OF ATTORNEY DATED _____

EXECUTED IN ACCORDANCE WITH RESOLUTION NO._____ DATED

PASSED BY THE BOARD OF DIREDTORS IN THE MEETING HELD ON _____

IN THE PRESENCE OF (WITNESS):

1.

2.

தமிழ்நாடு TAMIL NADU

BX 212092

M. DORAISWAMY
STAMP VENDOR
[illegible]
COIMBATORE - 641 018.

UNDERTAKING FOR PAYING OF UNDERGROUND PIPELINE ALONG NATIONAL HIGHWAY NH-544 FROM KUMARAPURAM TO GAS PLANT OF INDIAN OIL CORPORATION LIMITED, CITY GAS DISTRIBUTION PROJECT, SOUTHERN REGION PIPELINES, COIMBATORE.

1. Indian Oil Corporation Limited, Pipelines Division, City Gas Distribution, Coimbatore shall be responsible for safety of underground utilities, such as electric lines, phone, water supply and gas sewage lines etc., during trenching.

2. The Indian Oil Corporation Limited, Pipelines Division, City Gas Distribution, Coimbatore shall inform the concerned authority of NHAI appointed as liaison officer 15 days in advance before starting of work.

3. The Indian Oil Corporation Limited, Pipelines Division, City Gas Distribution, Coimbatore shall bear, when the price penalties in writing, to the concerned officer of NHAI incurred by work of trenching, repairs or alterations to the said Indian Oil Corporation Limited, Pipelines Division, City Gas Distribution, Coimbatore.

4. NHAI shall not be responsible for any damage caused to the underground NG pipeline due to any activity of NHAI on the concerned highway. The parties agreed that the Indian Oil Corporation Limited, Pipelines Division, City Gas Distribution, Coimbatore shall lay up underground NG pipeline across the concerned highway at its own cost.

5. The Indian Oil Corporation Limited, Pipelines Division, City Gas Distribution, Coimbatore shall make good excavated trench for laying underground R-LNG pipeline by proper filling and compaction, so as to restore the land in the same condition as it was before digging trench and shall clear the debris /loose earth produced from the execution of trenching to the satisfaction of NH.
6. In any accident occurs during the execution or completion of work by the agency, the complete responsibility will be fully on the head or agency.
7. The Indian Oil Corporation Limited, Pipelines Division, City Gas Distribution, Coimbatore agrees to abide by the directions of the concerned officer of NH appointed in accordance with the National Highways act 1956 and rules in force.
8. We do undertake that we will relocate service/ approach road/ utilities at our own cost notwithstanding the permission granter within such times as will be stipulated by NH.
9. Indian Oil Corporation Limited, Pipelines Division, City Gas Distribution, Coimbatore agrees not to damage to other utility. If damages then to pay losses either to NH or to the concerned agency.
10. We do indemnity against all damages.
11. We do if any claim is raised by the concessionaire then the same has to be paid by the applicant.
12. We do expenditure, if any incurred by NH for repairing any damage caused to the NH by the laying, maintenance or shifting of the underground R-LNG pipeline will be borne by the agency owning the line.
13. Indian Oil Corporation Limited, Pipelines Division, City Gas Distribution, Coimbatore agrees if the NH considers it is 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 NH at the cost of the agency owning the utility line within a reasonable time (not exceeding 60 days) of the intimation given.
14. Laying of underground R-LNG pipeline will not have deleterious effects of any of the bridge components and roadway safety for traffic.
15. For 6-laning "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 NH for future six laning or any other development".
16. All the restoration work will be carried out by Indian Oil Corporation Limited, Southern Region Pipelines, City Gas Distribution, and Coimbatore up to the satisfaction of NH.
17. The Licensee shall make his own arrangement for crossing of cross drainage structures, rivers,etc. below the bed. In case this is not feasible, the utility services may be carried outside the railings/parapets and the bridge superstructure. The fixing and supporting arrangement with all details shall be required to be approved in advance from the concerned Highway Administration. Additional cost on account of fixing and supporting arrangement as assessed by the Authority shall be payable by the licensee.

(GV Satyanarayana)
Deputy General Manager (PJ-CGD)

जी.वी. सत्यानारायणा / G.V. SATYANARAYANA
उप महा प्रबन्धक (पीजे-सीजीडी) / Dy General Manager (PJ-CGD)
दक्षिण क्षेत्र पाइपलाइन डिविजन / Indian Oil Corporation Limit
सिटी गैस वितरण परियोजना कार्यालय / Southern Region Pipelines
CITY GAS DISTRIBUTION PROJECT OFFIC
Nagar Nagar,

Indian Oil Corporation Limited
Pipelines Division

CERTIFICATE

1. This proposal [illegible] will not affect the design, stability and traffic safety of highway.
2. This proposal of installation now will not affect any future [illegible] of highway.
3. This proposal is in accordance with the Specifications laid down by the Ministry of Surface Transport, vide Lr. No. RW/NH/33044/[illegible] dt. [illegible] 2004 without causing any inconvenience to the traffic through the road.
4. Certificate is also issued that they have [illegible] any [illegible] for the NH Road in future development.

License fee to be collected for laying of City Gas distribution Pipeline from Km 170/880 to Km 176/520 (RHS) by open trench method along NH-544(Salem-Kochi Road)

Village name	Chainage		Length in mts	Diameter of Steel pipe & HDPE duct in mts (0.32385+.04)	Area occupied in sqm	Guideline value per Sqm	License Fee per month(Area Occupied*Guideline Value)/(10*12)
	From	To					
Along the road							
Madukarai	170/880	173/750	2870	0.36385	1044.2495	662.25	5762.95
Thirumalayampalayam	173/750	175/000	1250	0.36385	454.8125	496.7	1882.54
Ettimadai	175/000	176/520	1520	0.36385	553.052	579.25	2669.63
License Fee for installation of Block Valves							
Block Valve Village location	Chainage		Length(L)	Width(W)	Area occupied in sqm((L*W)-(PipeDia*L))	Guideline value per Sqm	License Fee per month(Area Occupied*Guideline Value)/(10*12)
Madukarai	170/900		1.5	2	2.4542	662.25	13.54
Thirumalayampalayam	173/850		1.5	2	2.4542	496.7	10.16
Ettimadai	176/350		1.5	2	2.4542	579.25	11.85
Grand Total					2059.476675		₹10,350.67
License Fee for industrial utilities per month	₹10,350.67						
License Fee for public utilities at 33% of industrial utilities per month	₹3,415.72						
License fee for 5 years	₹204,943.35						

-As per MoRTH circular F. No. RWINH-33044/29/201S/S&R(R) dated 22.11.2016:
License Fees (Rs/sq m/ month) = (Utilized NH land area X prevailing Circle Rate of land per unit area) / (10 x 12) where, Utilized NH land area = Outer diameter/width of the concerned utility line X length

Tentative Calculation for License Fee is enclosed.However the final calculation should be checked and to be arranged by NHAI as per their guidelines

Prepared by
G. Gnanadeep Reddy
(G. Gnanadeep Reddy)
AM (PJ-CGD)

Checked by
G.V. Satyanarayana
DGM (PJ-CGD)

जी.वी. सत्यानारायणा / G.V. SATYANARAYANA
उप महा प्रबन्धक (पीजे-सीजीडी) / Dy General Manager (PJ-CGD)
इंडियन ऑयल कॉर्पोरेशन लिमिटेड / Indian Oil Corporation Limited
दक्षिणी क्षेत्र पाइपलाइन्स / Southern Region Pipelines
COIMBATORE CITY GAS DISTRIBUTION PROJECT OFFICE
Plot No.11B, 6th Street, Shringar Nagar,
Peelamedu, Coimbatore - 641 004.

தமிழ்நாடு TAMILNADU

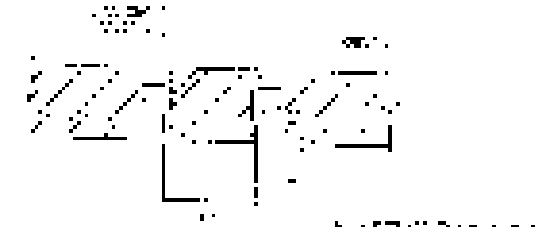
Indian Oil Corporation Limited
Coimbatore

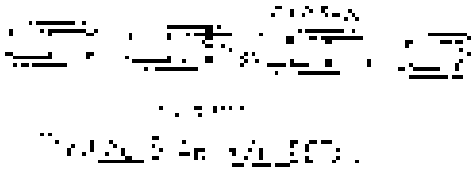
M. DORAISWAMY
STAMP VENDOR
13 A, STATE BANK ROAD,
COIMBATORE - 641 018.
L.No. 7333/5/96/98-3

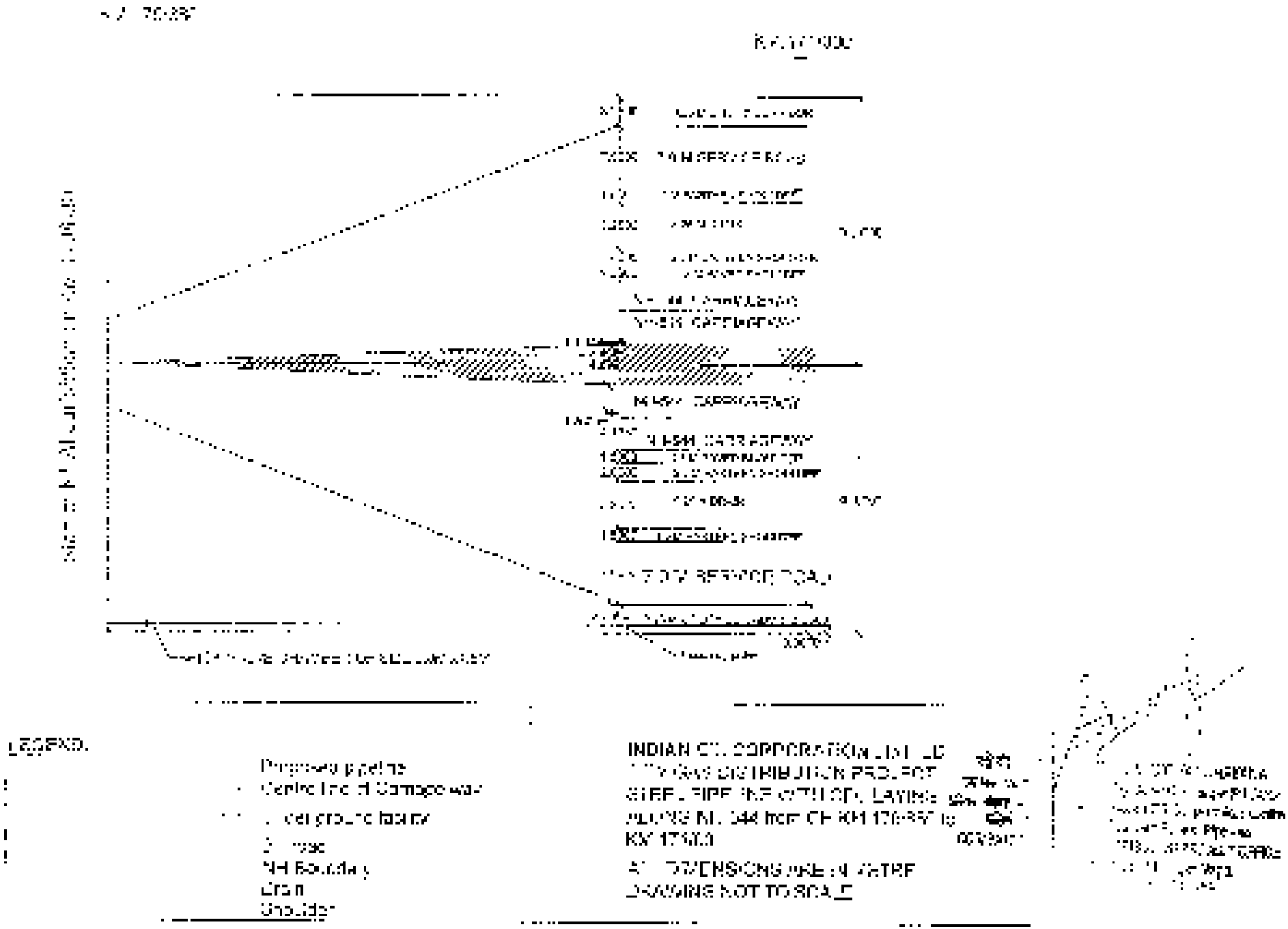
UNDERTAKING FOR LAYING OF UNDERGROUND STEEL PIPELINE ALONG NATIONAL HIGHWAY NH 544 FROM RM 0/0850 TO KM 1/0520 FOR INDIAN OIL CORPORATION LIMITED, CITY GAS DISTRIBUTION PROJECT, COIMBATORE BY RTG GAS PIPELINES, COIMBATORE

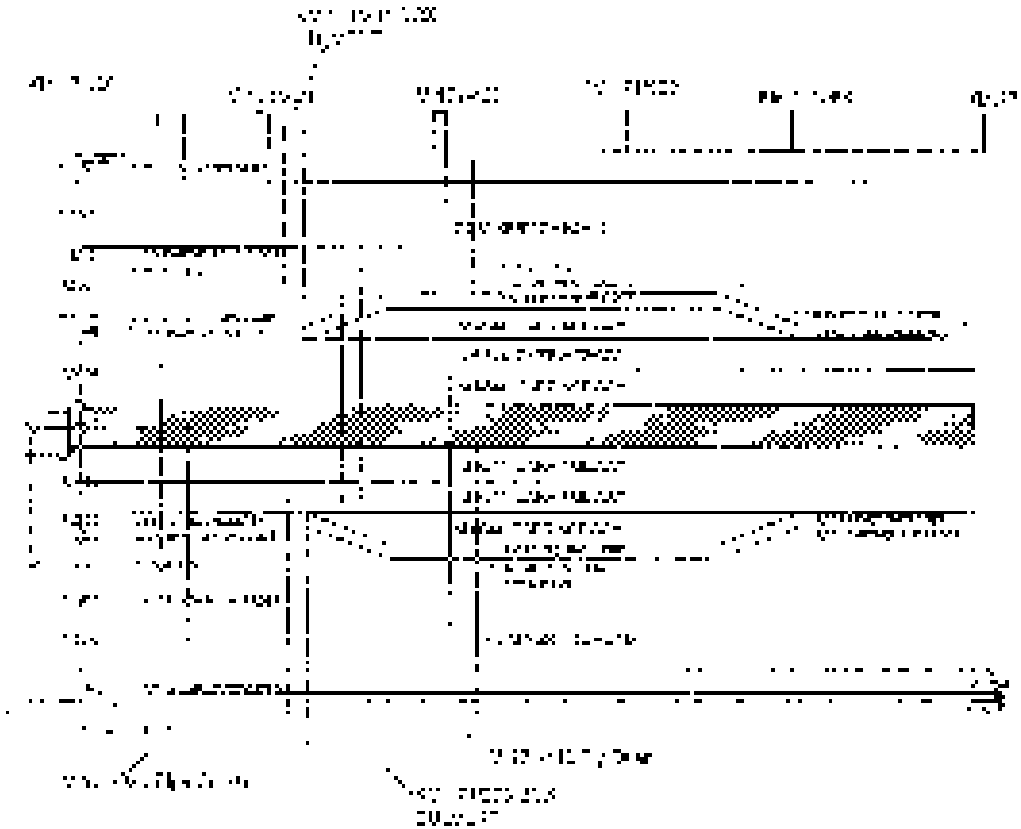
We hereby undertake that we will pay necessary fees/rent as and when required by the NHAI as per their Circular No. 6640 / 20 / 2015 /S&R(R) dated 28.11.2016 without any delay

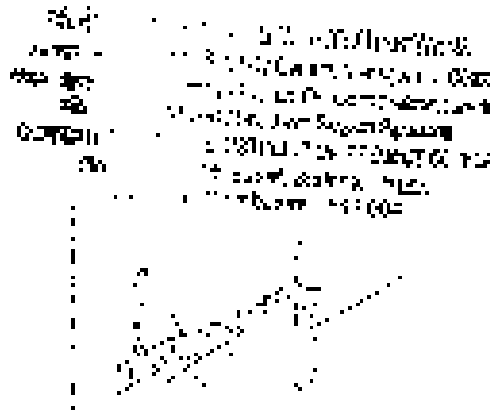
(Authorised Signatory)
Deputy General Manager (P) CGD

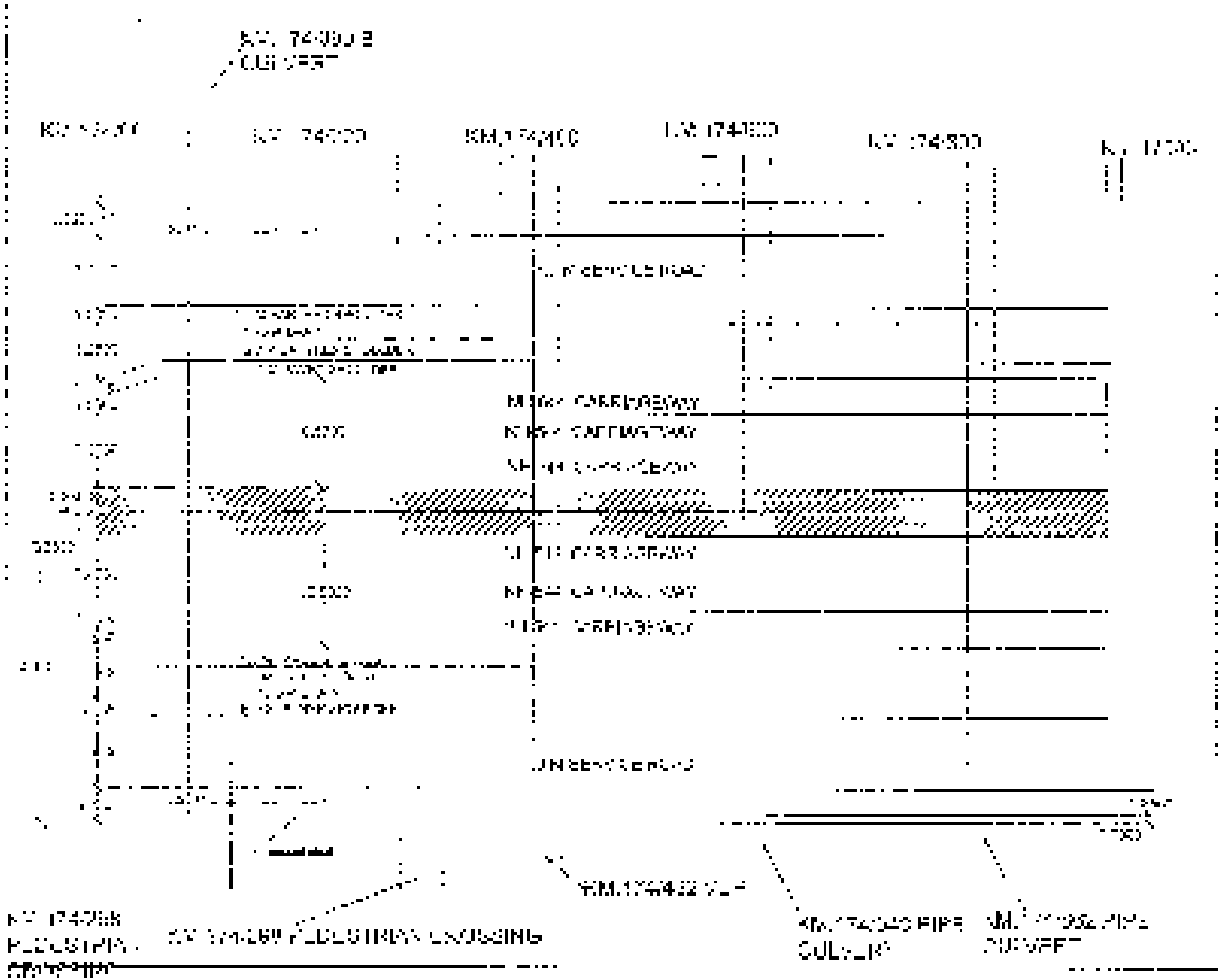




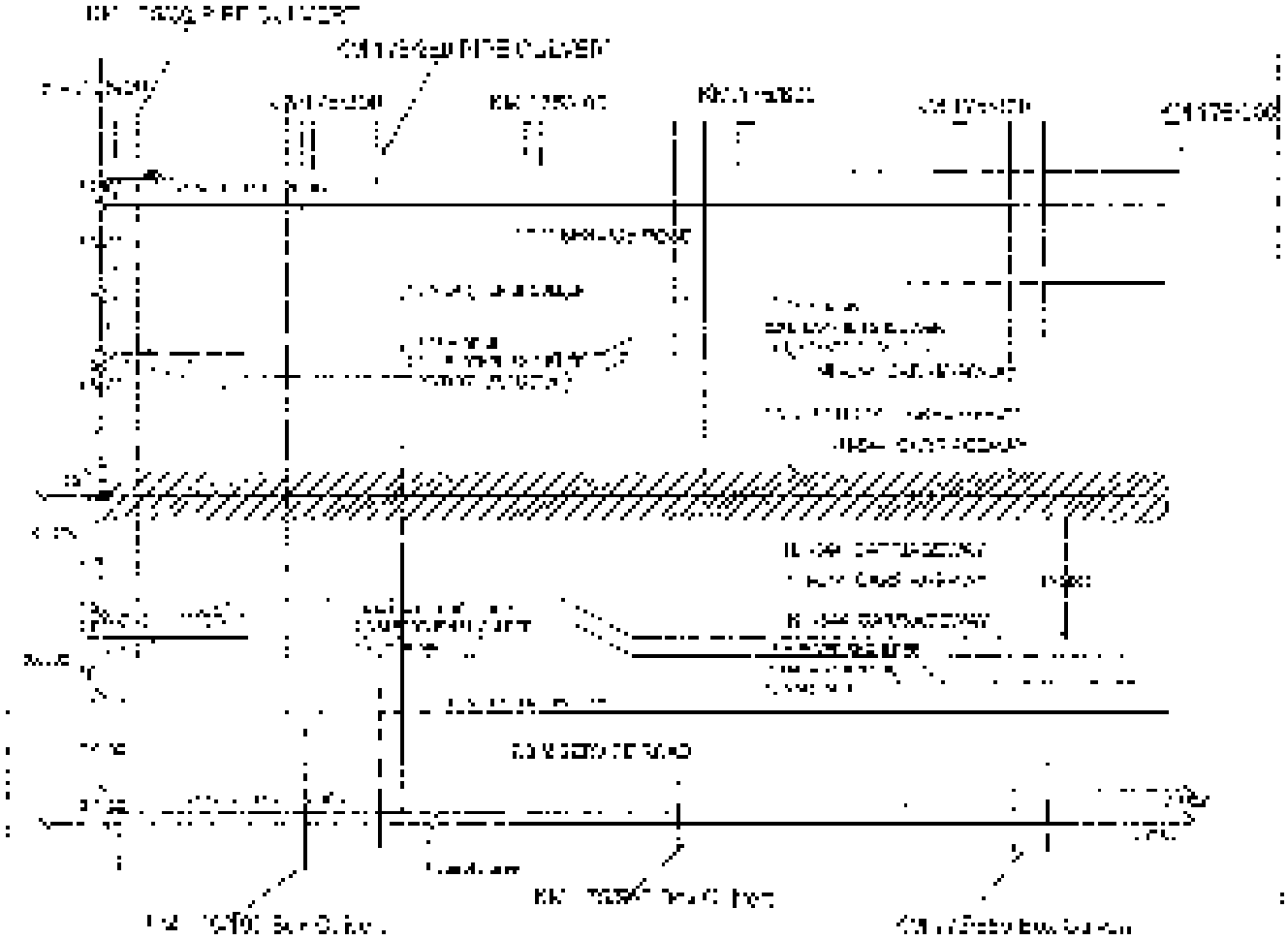

LEGEND.
Proposed pipeline
Centre line of Carriageway
Underground facility
NH Boundary
Drain
Shoulder
INDIAN OIL CORPORATION LTD
DRAWING NOT TO SCALE





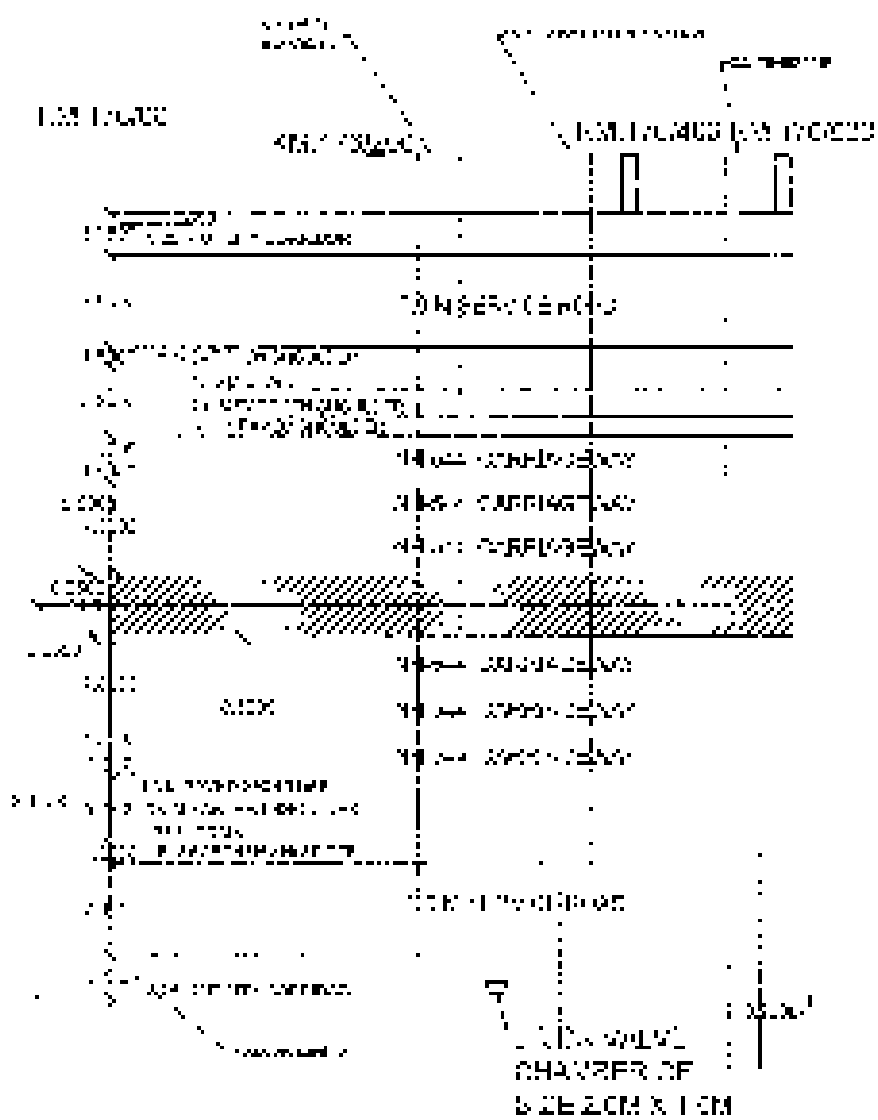


INDIAN OIL CORPORATION LIMITED
CITY GAS DISTRIBUTION PROJECT
STEEL PIPELINE WITH DRIP TANKS
ALL DIMENSIONS ARE IN METRE
DRAWING NOT TO SCALE



INDIAN OIL CORPORATION LIMITED

ALL DIMENSIONS ARE IN METRE



LEGEND:

Proposed pipeline
Centre line of Carriageway
Railway line
Boundary
Field
Road

INDIAN OIL CORPORATION LIMITED
CITY GAS DISTRIBUTION PROJECT
STEEL PIPELINE WITH CPCL LAYING
ALONG NH-344 FROM C-4 (MATHURA)
KM 10.6(62)

ALL DIMENSIONS ARE IN METRES
UNLESS OTHERWISE SPECIFIED

GOVERNMENT OF TAMILNADU
REGISTRATION DEPARTMENT
MARKET VALUE GUIDELINES FROM [illegible]

SRO : [illegible] Village : [illegible]
[illegible] : [illegible]

Survey No.	Total Extent	Classification	Market Value (Rs.) Acre	Market Value (Rs.) Hect.
519/2	[illegible]	Dry Special Type I	1005000	[illegible]
[illegible]	[illegible]	Dry Special Type I	1005000	2483500
519/7	[illegible]	Dry Special Type I	1005000	[illegible]
519/8	[illegible]	Dry Special Type I	1005000	[illegible]
520/1	[illegible]	Dry Special Type I	1005000	[illegible]
520/3	[illegible]	Dry Manavari Lands Type I	[illegible]	1159000
520/4	[illegible]	Dry Manavari Lands Type I	469000	1158500
521/2	[illegible]	Dry Special Type II	[illegible]	[illegible]
522/1	[illegible]	Dry Special Type I	1005000	[illegible]
522/2A1	[illegible]	Dry Special Type I	1005000	2483500
522/2A2	[illegible]	Dry Special Type II	570000	[illegible]
522/2B	[illegible]	Dry Special Type II	[illegible]	[illegible]
522/3	[illegible]	Dry Special Type I	1005000	[illegible]
523/1A	[illegible]	Dry Special Type I	[illegible]	2483500
523/1B	[illegible]	Dry Special Type I	1005000	[illegible]
523/2A	[illegible]	Dry Manavari Lands Type I	[illegible]	[illegible]
523/3	[illegible]	Dry Manavari Lands Type I	[illegible]	[illegible]
524/1A	[illegible]	Dry Manavari Lands Type I	[illegible]	[illegible]
524/1B	[illegible]	Dry Manavari Lands Type I	469000	[illegible]
[illegible]	[illegible]	Dry Special Type I	[illegible]	[illegible]
526/1	[illegible]	[illegible]	[illegible]	[illegible]
526/3	[illegible]	Dry Special Type I	[illegible]	[illegible]
[illegible]	[illegible]	Dry Special Type I	1005000	2483500
529/1	[illegible]	Dry Special Type I	[illegible]	[illegible]
[illegible]	[illegible]	Dry Manavari Lands Type I	1005000	[illegible]
530/1	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

Total No. of Survey Numbers in this Village : 580

GOVERNMENT OF TAMILNADU
REGISTRATION DEPARTMENT
MARKET VALUE GUIDELINES FROM 01-08-2017

District : [illegible]
Village : [illegible]

Survey No.	Total Extent	Classification	Market Value (Rs.) Ac	Market Value (Rs.) Hec
[illegible]	[illegible]	[illegible] Type 1	[illegible]	[illegible]
[illegible]	[illegible]	[illegible] Type 1	[illegible]	[illegible]
[illegible]	[illegible]	[illegible] Type	[illegible]	[illegible]
[illegible]	[illegible]	[illegible] Type	[illegible]	[illegible]
[illegible]	[illegible]	[illegible] Type	2500000	[illegible]
[illegible]	[illegible]	[illegible] Type	2600000	[illegible]
[illegible]	[illegible]	[illegible] Type	2600000	[illegible]
[illegible]	[illegible]	[illegible] Type	2600000	[illegible]
[illegible]	[illegible]	[illegible] Type	1650000	[illegible]
[illegible]	[illegible]	[illegible] Type 1	[illegible]	[illegible]
[illegible]	[illegible]	[illegible] Type	2980000	[illegible]
[illegible]	[illegible]	[illegible] Type	[illegible]	[illegible]
[illegible]	[illegible]	[illegible] Type 1	1000000	[illegible]
[illegible]	[illegible]	[illegible] Type 1	1000000	[illegible]
[illegible]	[illegible]	[illegible] Type 1	[illegible]	[illegible]
[illegible]	[illegible]	[illegible] Type 1	1005000	[illegible]
[illegible]	[illegible]	[illegible] Type 1	1005000	[illegible]
[illegible]	[illegible]	[illegible] Type 1	2600000	[illegible]
[illegible]	[illegible]	[illegible] Type	[illegible]	[illegible]
[illegible]	[illegible]	[illegible] Type	2980000	[illegible]
[illegible]	[illegible]	[illegible] Type 1	[illegible]	[illegible]
[illegible]	[illegible]	[illegible] Type	[illegible]	[illegible]
[illegible]	[illegible]	[illegible] Type	[illegible]	[illegible]
[illegible]	[illegible]	[illegible] Type	[illegible]	[illegible]
[illegible]	[illegible]	[illegible] Type 1	[illegible]	[illegible]
[illegible]	[illegible]	[illegible] Type 1	[illegible]	[illegible]
[illegible]	[illegible]	[illegible] Type 1	[illegible]	[illegible]
[illegible]	[illegible]	[illegible] Type 1	[illegible]	[illegible]
[illegible]	[illegible]	[illegible] Type 1	[illegible]	[illegible]
[illegible]	[illegible]	[illegible] Type 1	[illegible]	[illegible]
[illegible]	[illegible]	[illegible] Type 1	[illegible]	[illegible]

Total No. of Survey Numbers [illegible] : [illegible]

GOVERNMENT OF TAMIL NADU
REGISTRATION DEPARTMENT
MARKET VALUE GUIDELINES FROM [illegible]

SRO : [illegible]
Village : [illegible]

Survey No.	Total Extent	Classification	Market Value (Rs.)	
			Ac.	Ha.
167/6A	[illegible]	Dry Special Type II	[illegible]	1235000
[illegible]/1B	0.1[illegible]	Dry Special Type I	804000	1987000
169/1B2	0.400[illegible]	Dry Abutting National Highways Type I	2010000	4967000
[illegible]	[illegible]	Dry Abutting National Highways Type I	2010000	4967000
169/1B4	[illegible]	Dry Abutting National Highways Type I	2010000	4967000
169/1B5	[illegible]	Dry Abutting National Highways Type I	2010000	4967000
[illegible]/2	[illegible]	Dry Abutting National Highways Type I	2010000	4967000
[illegible]/1B	0.5[illegible]	Dry Abutting National Highways Type I	2010000	4967000
[illegible]/322A	0.2[illegible]	Dry Abutting National Highways Type I	2010000	4967000
[illegible]/1A	[illegible]	Dry Abutting National Highways Type I	2010000	4967000
[illegible]/1G	[illegible]	Dry Abutting National Highways Type I	2010000	4967000
[illegible]	[illegible]	Dry Abutting National Highways Type I	2010000	4967000
[illegible]/1A1A	0.[illegible]	Dry Abutting National Highways Type I	2010000	4967000
[illegible]/1A1B	0.[illegible]	Dry Abutting National Highways Type I	2010000	4967000
173/1A2E	0.[illegible]	Dry Abutting National Highways Type I	2010000	4967000
173/1A3	[illegible]	Dry Abutting National Highways Type I	2010000	4967000
173/2A1A	[illegible]	Dry Abutting National Highways Type I	2010000	4967000
[illegible]/2A1B	[illegible]	Dry Abutting National Highways Type I	2010000	4967000
[illegible]/2A2	0.[illegible]	Dry Abutting National Highways Type I	2010000	4967000
[illegible]/2A2	0.2[illegible]	Dry Abutting National Highways Type I	2010000	4967000
183/2[illegible]	[illegible]	Dry Special Type I	[illegible]	[illegible]
[illegible]/2A	[illegible]	Dry Special Type I	[illegible]	[illegible]
183/[illegible]	[illegible]	Dry Special Type I	[illegible]	[illegible]
[illegible]/3D	[illegible]	Dry Special Type II	[illegible]	[illegible]
[illegible]	[illegible]	Dry Abutting National Highways Type I	2010000	4967000
[illegible]/2	0.[illegible]	Dry Abutting National Highways Type I	2010000	4967000
[illegible]/3	0.[illegible]	Dry Abutting National Highways Type I	2010000	4967000
[illegible]	0.[illegible]	Dry Abutting National Highways Type I	2010000	4967000
[illegible]/25	[illegible]	Dry Special Type I	[illegible]	[illegible]
[illegible]/26	[illegible]	Dry Abutting National Highways Type I	[illegible]	[illegible]

Total No. of Survey Numbers displayed in page : 30

License fee to be collected for laying of City Gas distribution Pipeline from Km 170/880 to Km 176/520 (RHS) by open trench method along NH-544(Salem-Kochi Road)					
Chainage		Length of Pipeline in mts	diameter of Steel pipe & HDPE duct in mts (0.32385+.04)	Bank gaurantee rate per metre for public utility>300 mm but <=1000 mm	Total Bank Gaurantee in Rupees
From	To				
170/880	176/520	5640	0.36385	250	₹1,410,000.00

Tentative Calculation for Bank Gaurantee is enclosed.However the final calculation should be checked and to be arranged by NHAI as per their guidelines

Prepared by
G. Gnanadeep Reddy
(G. Gnanadeep Reddy)
(AM (PJ-CGD).

Checked by
G.V. Satyanarayana
DGM (PJ-CGD)

जी.वी. सत्यानारायणा / G.V. SATYANARAYANA
उप महा प्रबन्धक (पीजे-सीजीडी) / Dy General Manager (PJ-CGD)
इंडियन ऑयल कॉर्पोरेशन लिमिटेड / Indian Oil Corporation Limited
दक्षिणी क्षेत्र पाइपलाइन्स / Southern Region Pipelines
COIMBATORE CITY GAS DISTRIBUTION PROJECT OFFICE
Plot No.11B, 6th Street, Shringar Nagar,
Peelamedu, Coimbatore - 641 004.