



PNGRB/ 6449  
Dt. : 30/11/18

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गेल (इंडिया) लिमिटेड  
(भारत सरकार का उपक्रम - महारत्न कंपनी)  
GAIL (India) Limited

(A Government of India Undertaking - A Maharatna Company)

GAIL/HVJ/Final Tariff/352283/2018/ 2246

29.11.2018

To  
The Secretary  
Petroleum and Natural Gas Regulatory Board  
1<sup>st</sup> Floor, World Trade Centre  
Babar Road, New Delhi-110001

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Respected Madam,

**Sub: Final Tariff Determination of HVJ-GREP-DVPL and DVPL/GREP Upgradation Natural Gas Pipeline Network of GAIL (India) Limited.**

This has reference to Record Notes of Open House Meeting held at PNGRB on 26.11.2018 in respect of the subject pipeline network.

2. In accordance with the Record Notes the following are submitted:

- (i) Note on Integrated Tariff of HVJ and HVJ Upgradation pipeline – Already submitted vide letter dated 27.11.2018.
- (ii) Updated list of pipelines including spurlines of HVJ / HVJ Upgradation pipeline network (**Annexure-A**).
- (iii) GAIL views regarding consideration of economic life of Pipeline as 30 years instead of current 25 years (**Annexure-B**).
- (iv) Note on modification for enhancing Operational Efficiency and Improving Flexibility of Operations in the HVJ Natural Gas Pipeline System (**Annexure-C**).

Submitted please.

Thanking you,

Yours sincerely,

S. Kumar.

(Kumar Shanker)  
Chief General Manager (Mktg.-RA)  
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**HVJ and HVJ Upgradation Pipeline Network****Updated List of Pipelines including Spurlines**

S.No.	Pipeline Segment	Name of Pipeline Section	Diameter (Inch)	Length (km)	Year of Commissioning
1	HAZIRA - VIJAIPUR	HAZIRA - JHAGADIA	36	81.7	1987
2	HAZIRA - VIJAIPUR	JHAGADIA - VAGHODIA	36	69.9	1987
3	HAZIRA - VIJAIPUR	VAGHODIA - D. BARIA	36	78.19	1987
4	HAZIRA - VIJAIPUR	D. BARIA - JHABUA	36	70.14	1987
5	HAZIRA - VIJAIPUR	JHABUA - K. BARODA	36	83.75	1987
6	HAZIRA - VIJAIPUR	K. BARODA - KHERA	36	90.09	1987
7	HAZIRA - VIJAIPUR	KHERA - GORAKHPURA	36	82.3	1987
8	HAZIRA - VIJAIPUR	GORAKHPURA - VIJAIPUR	36	85.78	1987
9	DAHEJ - VIJAIPUR - I	DAHEJ - VEMAR	42	83.76	2004
10	DAHEJ - VIJAIPUR - I	VEMAR - SHERPURA	42	86.23	2004
11	DAHEJ - VIJAIPUR - I	SHERPURA - JHABUA	42	99.24	2004
12	DAHEJ - VIJAIPUR - I	JHABUA - K. BARODA	42	83.47	2004
13	DAHEJ - VIJAIPUR - I	K. BARODA - KHERA	42	90.22	2004
14	DAHEJ - VIJAIPUR - I	KHERA - GORAKHPURA	42	82.46	2004
15	DAHEJ - VIJAIPUR - I	GORAKHPURA - VIJAIPUR	42	85.41	2004
16	DAHEJ - VIJAIPUR - II	DAHEJ - VEMAR	48	83.76	2011
17	DAHEJ - VIJAIPUR - II	VEMAR - SHERPURA	48	86.23	2011
18	DAHEJ - VIJAIPUR - II	SHERPURA - JHABUA	48	99.24	2011
19	DAHEJ - VIJAIPUR - II	JHABUA - K. BARODA	48	83.47	2011
20	DAHEJ - VIJAIPUR - II	K. BARODA - KHERA	48	90.22	2011
21	DAHEJ - VIJAIPUR - II	KHERA - GORAKHPURA	48	82.46	2011
22	DAHEJ - VIJAIPUR - II	GORAKHPURA - VIJAIPUR	48	85.41	2011
23	HAZIRA-KAWAS	HAZIRA-KAWAS	12	7.5	1987
24	ONGC -HAZIRA	ONGC -HAZIRA - I	30	0.8	1986
25	ONGC -HAZIRA	ONGC -HAZIRA - II	30	0.8	2000
26	GREP-RIL PIPELINE (SGPL), UNDERA	GREP-RIL PIPELINE (SGPL), UNDERA	16	30.02	2004
27	VAGHODIA - RIL VADODARA	VAGHODIA - RIL VADODARA	18	32.44	1987
28	IP2 VAGHODIA-GREP VAGHODIA	IP2 VAGHODIA-GREP VAGHODIA-HVJ	30	3.3	1993
29	IP2 VAGHODIA-GREP VAGHODIA	GREP VAGHODIA-IP2 VAGHODIA-HVJ	30	3.3	1993
30	LSV-5 VAGHODIA-GREP VAGHODIA	LSV-5 VAGHODIA-GREP VAGHODIA-DVPL	36	3.3	2004
31	LSV-5 VAGHODIA-GREP VAGHODIA	GREP VAGHODIA-LSV-5 VAGHODIA-DVPL	36	3.3	2004
32	LMC-SANGHAVI FORGING	LMC-SANGHAVI FORGING	4	1.1	2013
33	RIL TERMINAL TO GIPCL TERMINAL HVJ SPUR LINE	RIL TERMINAL TO GIPCL TERMINAL HVJ SPUR LINE	8	4.93	2000
34	IPCL - GIPCL (RLNG)	IPCL - GIPCL (RLNG)	8	5.99	2004
35	NADESWARI TPT. - DIPAK NITRATE	NADESWARI TPT. - DIPAK NITRATE	4	2.97	2004
36	VAGHODIA-RIL (DASRATH TAP OFF) - GSFC	VAGHODIA-RIL (DASRATH TAP OFF) - GSFC	12	1.06	2003
37	BARSADA CHAR RASTA - FLOROCHEM	BARSADA CHAR RASTA - FLOROCHEM	4	7.02	2005
38	VAGHODIA COMPR. - APOLLO TYRE	VAGODIA COMPR. - APOLLO TYRE	4	1.7	2004
39	DVPL1 TO GFL	DVPL1 TO GFL	4	1.2	2012
40	DVPL1 TO GSPL	DVPL1 TO GSPL	12	0.06	2004
41	FILATEX P/L	FILATEX P/L	8	3.2	2012

S.No.	Pipeline Segment	Name of Pipeline Section	Diameter (Inch)	Length (km)	Year of Commissioning
42	VEMAR(IP) – NTPC, BHARUCH	VEMAR(IP) – NTPC TERMINAL	14	24.06	2000
43	DVPL DAHEJ TO GACL	DVPL-I DAHEJ TAP OFF TO GACL TERMINAL	6	1	2004
44	GACL TO HINDALCO	GACL TAP OFF ON 6 INCH.TO HINDALCO TERMINAL	4	7.3	2008
45	SAMNER - DEWAS	SAMNER - DEWAS	12	19.65	2007
46	IDS-1, PITHAMPUR-IDS-2, PITHAMPUR	IDS-1, PITHAMPUR-IDS-2, PITHAMPUR	12	11.15	2007
47	TOP FROM 12" LINE-M/S BRIDGE STONE TYRES	TOP FROM 12" LINE-M/S BRIDGE STONE TYRES	4	0.4	2007
48	TOP FROM 12" LINE-M/S CIPLA	TOP FROM 12" LINE-M/S CIPLA	4	1.5	2010
49	LINE EXTENDED FROM CIPLA-M/S SYMBIOTIC	LINE EXTENDED FROM CIPLA-M/S SYMBIOTIC	4	0.25	2010
50	TOP FROM 12" LINE-M/S PRATIBHA SYNTEX	TOP FROM 12" LINE-M/S PRATIBHA SYNTEX	4	0.26	2007
51	IDS-2 -M/S SHIVANGI STEEL	IDS-2 -M/S SHIVANGI STEEL	4	6.63	2007
52	TOP FROM 4" LINE-M/S SRF	TOP FROM 4" LINE-M/S SRF	4	1.24	2012
53	TOP FROM 4" LINE-M/S MITTAL CORP-1	TOP FROM 4" LINE-M/S MITTAL CORP-1	4	1.44	2012
54	LINE EXTENDED FROM MC-1-M/S MITTAL CORP-2	LINE EXTENDED FROM MC-1-M/S MITTAL CORP-2	4	0.82	2013
55	TOP FROM 4" LINE-M/S ANANTH STEEL	TOP FROM 4" LINE-M/S ANANTH STEEL	4	0.11	2007
56	TOP FROM 4" LINE-M/S KESAR STEEL	TOP FROM 4" LINE-M/S KESAR STEEL	4	0.02	2011
57	IDS-2 -M/S NATIONAL STEEL	IDS-2 -M/S NATIONAL STEEL	4	16.72	2007
58	NATIONAL STEEL-M/S RUCHI STRIP	NATIONAL STEEL-M/S RUCHI STRIP	4	0.02	2007
59	TAPPING FROM NATIONAL STEEL LINE-M/S JAIDEEP ISPAT	TAPPING FROM NATIONAL STEEL LINE-M/S JAIDEEP ISPAT	4	0.3	2011
60	TAPPING FROM NATIONAL STEEL LINE-M/S RATHI IRON	TAPPING FROM NATIONAL STEEL LINE-M/S RATHI IRON	4	0.2	2010
61	TAPPING FROM NATIONAL STEEL LINE-M/S BANSHALI	TAPPING FROM NATIONAL STEEL LINE-M/S BANSHALI	4	0.4	2010
62	TAPPING FROM NATIONAL STEEL LINE-M/S MID INDIA (SHREYAM POWER)	TAPPING FROM NATIONAL STEEL LINE-M/S MID INDIA	4	1.2	2010
63	TAPPING FROM IDS-1/3-M/S PORWAL AUTO	TAPPING FROM IDS-1/3-M/S PORWAL AUTO	4	0.44	2007
64	TAPPING FROM IDS-1/3-M/S EICHER MOTORS	TAPPING FROM IDS-1/3-M/S EICHER MOTORS	4	4.14	2007
65	TOP FROM EICHER LINE-M/S FORCE MOTORS	TOP FROM EICHER LINE-M/S FORCE MOTORS	4	0.12	2007
66	TOP FROM EICHER LINE-M/S RAJRATAN GLOBAL	TOP FROM EICHER LINE-M/S RAJRATAN GLOBAL	4	1.06	2007
67	TAPPING FROM DEWAS-M/S HR JHONSON	TAPPING FROM DEWAS-M/S HR JHONSON	4	1.36	2007
68	TOP FROM HR JONSON LINE-M/S ROCA	TOP FROM HR JONSON LINE-M/S ROCA	4	0.4	2007
69	TOP FROM 16" DIA JIPPL-M/S AVANTIKA GAS	TOP FROM 16" DIA JIPPL-M/S AVANTIKA GAS	10	5.77	2008
70	TAPPING EXTENDED FROM KESAR-M/S TANEJA STEELS	TAPPING EXTENDED FROM KESAR-M/S TANEJA STEELS	4	0.82	2013

S.No.	Pipeline Segment	Name of Pipeline Section	Diameter (Inch)	Length (km)	Year of Commissioning
71	JAGOTI - PITHAMPUR (JIPPL)	JAGOTI - PITHAMPUR (JIPPL)	16	90.73	2007
72	TAPPING FROM TOP-1 OF JIPPL -M/S AGL, UJJAIN	TAPPING FROM TOP-1 OF JIPPL -M/S AGL, UJJAIN	8	5.8	2015
73	MID (SHREYAM POWER) TO CNG IGL	MID (SHREYAM POWER) TO CNG IGL	4	0.28	2015
74	VIJAIPUR - AURAIA	VIJAIPUR - PIRONTH	30	79.23	1988
75	VIJAIPUR - AURAIA	PIRONTH - RAKSHA	30	98.56	1988
76	VIJAIPUR - AURAIA	RAKSHA - KHERI	30	84.93	1988
77	VIJAIPUR - AURAIA	KHERI - AURAIA	30	88.77	1988
78	VIJAIPUR-NFL	VIJAIPUR-NFL	18	3.5	1987
79	VIJAIPUR - GGL CNG STATION	VIJAIPUR - GGL CNG STATION	4	2.5	2010
80	AURAIA - JAGDISHPUR	AURAIA - SACHENDI	18	71.05	1988
81	AURAIA - JAGDISHPUR	SACHENDI - MAURWAN	18	76.57	1988
82	AURAIA - JAGDISHPUR	MAURWAN - JAGDISHPUR	18	70.19	1988
83	AURAIA - SACHENDI (SV-1)	AURAIA - SACHENDI (SV-2)	24	46.205	2013
84	DIBIYAPUR-PATA	DIBIYAPUR-PATA	30	5.5	1997
85	PATA -DIBIYAPUR	PATA -DIBIYAPUR	30	5.5	1997
86	DIBIYAPUR-NTPC DIBIYAPUR	DIBIYAPUR-NTPC DIBIYAPUR	12	2.08	1989
87	DIBIYAPUR-GAIL GAS	DIBIYAPUR-GAIL GAS	4	1.42	2014
88	SACHENDI - KFCL	SACHENDI - KFCL	12	13.7	2013
89	SACHENDI - KANPUR	SACHENDI - KANPUR	8	18.25	2006
90	MAURAWAN- LUCKNOW	MAURAWAN- LUCKNOW	8	37.44	2006
91	THULENDI-PHULPUR	THULENDI-PHULPUR	18	139.98	2007
92	JAGDISHPUR LMC	IGFL -BHEL	2	1.92	2005
93	JAGDISHPUR LMC	IGFL - WIPE	4	3.12	2015
94	JAGDISHPUR LMC	WIPE PL TOP TO FARCO	4	0.02	2015
95	PIPROLA -KSFL	PIPROLA -KSFL	12	0.55	1995
96	SV-11 CHOUBARI-BAREILLY CGS	SV-11 CHOUBARI-BAREILLY CGS	6	10	2006
97	VIJAIPUR - DADRI (GREP)	VIJAIPUR - CHITARA	36	79.3	1997
98	VIJAIPUR - DADRI (GREP)	CHITARA - BURDHA	36	90.7	1997
99	VIJAIPUR - DADRI (GREP)	BURDHA - SONE KA GURJA	36	82.85	1997
100	VIJAIPUR - DADRI (GREP)	SONE KA GURJA - BAJHERA	36	82.29	1997
101	VIJAIPUR - DADRI (GREP)	BAJHERA - JATAULI	36	90.5	1997
102	VIJAIPUR - DADRI (GREP)	JATAULI - DADRI	36	73.65	1997
103	VIJAIPUR - DADRI (VDPL)	VIJAIPUR - KULVARA	48	107.35	2010
104	VIJAIPUR - DADRI (VDPL)	KULVARA - KAILARAS	48	120.85	2010
105	VIJAIPUR - DADRI (VDPL)	KAILARAS - BAJHERA	48	106.49	2010
106	VIJAIPUR - DADRI (VDPL)	BAJHERA - CHHAINSA	48	122.14	2010
107	VIJAIPUR - DADRI (VDPL)	CHHAINSA - DADRI	48	43.62	2010
108	KAILARAS - MALANPUR(KMPL)	KAILARAS - MALANPUR(KMPL)	12	71.55	2006
109	BAJHERA-AGRA	BAJHERA-AGRA	10	52.7	1997
110	BAJHERA-AGRA	BAJHERA-AGRA	12	52.7	2011
111	AGRA-FIROZABAD	AGRA-FIROZABAD	10	34.3	2003
112	AGRA-FIROZABAD	AGRA-FIROZABAD	8	34.9	1997
113	LALPUR-MATHURA	LALPUR-MATHURA	14	12.5	1997
114	IBRAHIMPUR-DHOLPUR	IBRAHIMPUR-DHOLPUR	10	30.5	2007
115	BANMORE-GWALIOR	BANMORE-GWALIOR	10	11.87	2011
116	BANMORE-GWALIOR	TOP (BANMORE-GWALIOR) - AGL RAIRU	4	0.06	2011
117	MALANPUR -CADBURY	MALANPUR -CADBURY	6	5.17	2006
118	MALANPUR -CADBURY	CADBURY PL TOP TO U-FLEX	4	0.2	2010

S.No.	Pipeline Segment	Name of Pipeline Section	Diameter (Inch)	Length (km)	Year of Commissioning
119	MALANPUR -CADBURY	CADBURY PL TOP TO GOADREJ SOAP	4	0.068	2006
120	MALANPUR - SURYA MAST	MALANPUR - SURYA MAST	4	0.13	2010
121	MALANPUR -GRAINTECH	MALANPUR -GRAINTECH	4	1.475	2013
122	MALANPUR -GRAINTECH	GRAINTECH PL TOP TO TEVA	4	0.012	2010
123	MALANPUR -GRAINTECH	GRAINTECH TO VIKRAM FOOD	4	0.457	2014
124	BANMORE -MAGNUM	BANMORE -MAGNUM	4	5.578	2010
125	MALANPUR-JAMUNA AUTO	MALANPUR-JAMUNA AUTO	4	0.03	2007
126	MALANPUR TO MCPL	MALANPUR TO MCPL	4	1.307	2007
127	MALANPUR TO SURYA ROSHNI	MALANPUR TO SURYA ROSHNI	4	0.23	2007
128	MALANPUR TO SURYA ROSHNI	SURYA ROSHNI PL TOP TO SUPREME	4	0.84	2007
129	MALANPUR -HOTLINE	HOTLINE PL TOP TO MCPL	6	3.93	2006
130	CHATTA -SOUMYA GAS	CHATTA -SOUMYA GAS	4	1.5	2011
131	AURAIA - BABRALA - DADRI	AURAIA - MALIKPUR	24	62.89	1988
132	AURAIA - BABRALA - DADRI	MALIKPUR - PIPRAULA	24	81.7	1988
133	AURAIA - BABRALA - DADRI	PIPRAULA - AONLA	24	89.53	1988
134	AURAIA - BABRALA - DADRI	AONLA - BABRALA	24	81.94	1988
135	AURAIA - BABRALA - DADRI	BABRALA - DADRI	24	105.17	1988
136	VIJAI PUR-BORERER-GADEPAN	VIJAI PUR - ATTRU	18	69.73	1989
137	VIJAI PUR-BORERER-GADEPAN	ATTRU - BORERER	18	40.28	1989
138	VIJAI PUR-BORERER-GADEPAN	BORERER - GADEPAN	18	29.17	1989
139	VKPL - I	VIJAI PUR - GADEPAN (VKPL-I)	18	140	2007
140	VKPL - II	VIJAI PUR - BORERER (VKPL-II)	18	112.29	2013
141	BORERER-ANTA	BORERER-ANTA	12	14.5	1988
142	GADEPAN-NAYANOHRA	GADEPAN-NAYANOHRA	16	30	2007
143	GADEPAN-SAMCORE	GADEPAN-SAMCORE	4	30	1989
144	NAYANAHORA-SRIRAM	NAYANAHORA-SRIRAM	8	8	2007
145	DADRI - DESU	DADRI - DESU	18	46.438	1989
146	DADRI - SIKANDRABAD	DADRI - SIKANDRABAD	4	14.71	1992
147	LADPURA - CGS GRATER NOIDA	LADPURA - CGS GRATER NOIDA	8	3.836	2012
148	SIKANDRABAD PIPELINE NETWORK	SIKANDRABAD PR TO GOOD LUCK INDUSTRY	4	3.13	1992
149	SIKANDRABAD PIPELINE NETWORK	GOOD LUCK IND TO GOOD LUCK INDUSTRY-II	4	0.81	1992
150	SIKANDRABAD PIPELINE NETWORK	GOOD LUCK INDUSTRY-II PL TOP TO GOOD LUCK	4	0.67	1992
151	SIKANDRABAD PIPELINE NETWORK	GOOD LUCK STEEL PL TOP TO KCL	4	0.74	1992
152	SIKANDRABAD PIPELINE NETWORK	KCL PL TOP TO UPT	4	0.05	1992
153	SIKANDRABAD PIPELINE NETWORK	UPT PL TOP TO HIGH TECH PIPE	4	0.047	1992
154	SIKANDRABAD PIPELINE NETWORK	KCL PL TOP TO OCIL	4	0.24	1992
155	GHAZIABAD PIPELINE NETWORK	KURIKHERA T.OFF - BAMHETA - GHAZIABAD PL	6	7.764	1992
156	GHAZIABAD PIPELINE NETWORK	GHAZIABAD PL TOP TO SAMTEL	4	1.144	1992
157	GHAZIABAD PIPELINE NETWORK	SAMTEL TO HVR ALLOYS	4	0.343	1992
158	GHAZIABAD PIPELINE NETWORK	HVR ALLOYS PL TOP TO RATHI INDUSTRY	4	0.015	1992
159	GHAZIABAD PIPELINE NETWORK	HVR ALLOYS PL TOP TO SEA SHELL	4	0.176	1992
160	GHAZIABAD PIPELINE NETWORK	SAMTEL TO KL RATHI	4	1.824	1992
161	GHAZIABAD PIPELINE NETWORK	KL RATHI PL TOP TO IED	4	0.019	1992
162	GHAZIABAD PIPELINE NETWORK	BAMHETA TO ATMA STEEL	4	1.406	1992

S.No.	Pipeline Segment	Name of Pipeline Section	Diameter (Inch)	Length (km)	Year of Commissioning
163	GHAZIABAD PIPELINE NETWORK	ATMA STEEL PL TOP TO RATHI ISPAT	4	4.205	1992
164	GHAZIABAD PIPELINE NETWORK	RATHI ISPAT PL TOP TO RATHI UDYOG	4	0.225	1992
165	GHAZIABAD PIPELINE NETWORK	RATHI ISPAT PL TOP TO RATHI SUPER	4	0.004	1992
166	GHAZIABAD PIPELINE NETWORK	ATMA STEEL PL TOP TO UPC	4	2.868	1992
167	GHAZIABAD PIPELINE NETWORK	ATMA STEEL PL TOP TO DELTA FOOD	4	0.334	1992
168	GHAZIABAD PIPELINE NETWORK	DELTA FOOD P TOP TO LM STEEL	4	0.017	1992
169	SAHIBABAD - PIPELINE NETWORK	NOIDA T. OFF - GAZIPUR IGL	8	8.873	2011
170	SAHIBABAD - PIPELINE NETWORK	NOIDA TOP TO GTI	4	1.19	1994
171	SAHIBABAD - PIPELINE NETWORK	GTI TOP TO ZEE	4	0.18	1994
172	SAHIBABAD - PIPELINE NETWORK	NOIDA TOP - UGL SAHIBABAD	6	15.34	1994
173	SAHIBABAD - PIPELINE NETWORK	UGL PL TOP TO IGL MAYUR VIHAR	4	0.49	2003
174	SAHIBABAD - PIPELINE NETWORK	UGL PL TOP TO PUSHPANJALI CROSS LAY REMEDIES	4	0.5	2010
175	SAHIBABAD - PIPELINE NETWORK	UGL PL TOP TO BHUSHAN-II	4	0.22	1994
176	SAHIBABAD - PIPELINE NETWORK	UGL PL TOP TO BHUSAN-I-1	4	0.95	1994
177	SAHIBABAD - PIPELINE NETWORK	UGL PL TOP TO BHUSAN-I-2	4	1.04	1994
178	SAHIBABAD - PIPELINE NETWORK	BHUSAN STEEL TO EDM	4	0.599	1994
179	SAHIBABAD - PIPELINE NETWORK	EDM PL TOP TO PAHARAPUR P3P	4	0.027	1994
180	SAHIBABAD - PIPELINE NETWORK	EDM PL TOP TO NAMAN	4	0.032	1994
181	SAHIBABAD - PIPELINE NETWORK	EDM PL TOP TO STC DEVELOPERS	4	3.49	1994
182	SAHIBABAD - PIPELINE NETWORK	UGL SAHIBABAD-SIDHMOL	4	5.484	1994
183	SAHIBABAD - PIPELINE NETWORK	SIDHMOL PL TOP TO TIRUPATI	4	0.82	2010
184	SAHIBABAD - PIPELINE NETWORK	SIDHMOL PL TOP TO MOHAN MEAKINS	4	0.1	1994
185	BAWANA - SPL (BAHADURGARH)	BAWANA - SPL (BAHADURGARH)	8	29.021	1992
186	KHERAKALAN - SV-8 RASOI	KHERAKALAN - SV-8 RASOI	8	15.715	1992
187	SONIPAT PIPELINE NETWORK	TOP TO BENLON	4	0.02	1992
188	SONIPAT PIPELINE NETWORK	BENLON PL TOP TO BENLON2	4	2.553	1992
189	SONIPAT PIPELINE NETWORK	BISWAMIL TO BENLON TO GGL VALVE	4	5.274	2018
190	SONIPAT PIPELINE NETWORK	BISWAMIL TO OSRAM	4	10.508	2018
191	SONIPAT PIPELINE NETWORK	SV8 TO OSRAM	4	12.408	1992
192	SONIPAT PIPELINE NETWORK	HARYANA CITY GLASS PIPELINE	4	1.33	1992
193	BAHADURGARH - PIPELINE NETWORK	DESU-SPL PL TOP TO SKPM	3	0.646	1992
194	BAHADURGARH - PIPELINE NETWORK	DESU-SPL PL TOP TO DURATUF 8" 0.25 KM & 4" 1.1KM	8	1.12	1992
195	BAHADURGARH - PIPELINE NETWORK	HNG TO SPL	4	6.56	1992
196	BAHADURGARH - PIPELINE NETWORK	HNG-SPL PL TOP TO SURYA	4	0.041	1992
197	BAHADURGARH - PIPELINE NETWORK	HNG-SPL PL TOP TO PARLE	4	0.011	1992
198	BAHADURGARH - PIPELINE NETWORK	HNG-SPL PL TOP TO GIRIRAJ	4	0.04	1992
199	BAHADURGARH - PIPELINE NETWORK	HNG-SPL PL TOP TO SCHABLONA	4	0.022	1992
200	BAHADURGARH - PIPELINE NETWORK	HNG-SPL PL TOP TO IUP JINDAL	4	9.808	1992

S.No.	Pipeline Segment	Name of Pipeline Section	Diameter (Inch)	Length (km)	Year of Commissioning
201	BAHADURGARH - PIPELINE NETWORK	IUP JINDAL PL TOP TO DIAMOND	4	0.321	1992
202	BAHADURGARH - PIPELINE NETWORK	IUP JINDAL PL TOP TO SWASTIK	4	0.213	1992
203	BAHADURGARH - PIPELINE NETWORK	SWASTIK PL TOP TO ALLIED	4	1.699	1992
204	CHAINSA-FARIDABAD	CHAINSA-FARIDABAD	14	13.465	1999
205	CHAINSA - GURGAON	CHAINSA - GURGAON	16	59.136	2004
206	CGPL LMC NETWORK GURUGRAM-I	CGS KANHAI GAON - HERO MOTO CORP	8	7.529	2011
207	CGPL LMC NETWORK GURUGRAM-I	HERO MOTO CORP PL TOP TO DLF	8	2.453	2011
208	CGPL LMC NETWORK GURUGRAM-I	HERO MOTO CORP PL TOP - RICO	8	1.524	2011
209	NTPC – GPU GANDHAR PIPELINE, BHARUCH	NTPC TERMINAL – GPU GANDHAR PIPELINE, BHARUCH	12	35.97	2001
210	KARANPUR - KASIPUR (KKRPL)	KARANPUR - KASIPUR (KKRPL)	12	102.408	2012
211	SV-1A - SITI ENERGY MURADABAD	SV-1A - SITI ENERGY MURADABAD	8	23.118	2012
212	KASHIPUR - RUDRAPUR	KASHIPUR - RUDRAPUR	8	45.913	2013
213	KASHIPUR PIPELINE NETWORK	KASHIPUR RT - SURYA ROSHNI 12" 3.5Km & 8"14.2Km	12	16.602	2012
214	KASHIPUR PIPELINE NETWORK	SURYA ROSHNI PL TOP TO SHARWANT HI POWER	12	0.119	2012
215	KASHIPUR PIPELINE NETWORK	SURYA ROSHNI PL TOP TO GAMA POWER	8	0.274	2012
216	KASHIPUR PIPELINE NETWORK	SURYA ROSHNI PL TOP TO BETA POWER	12	0.817	2012
217	RUDRAPUR PIPELINE NETWORK	RUDRAPUR - BAJAJ AUTO 8"8.5Km & 4"1.0 Km	8	9.047	2014
218	RUDRAPUR PIPELINE NETWORK	BAJAJ AUTO PL TOP TOP PL - DUKES	4	0.433	2014
219	RUDRAPUR PIPELINE NETWORK	BAJAJ AUTO - METAL MAN	4	1.921	2014
220	RUDRAPUR PIPELINE NETWORK	METAL MAN TOP PL TO ENDURANCE	4	0.177	2014
221	RUDRAPUR PIPELINE NETWORK	METAL MAN TOP PL NEEL AUTO	4	0.011	2014
222	RUDRAPUR PIPELINE NETWORK	METAL MAN TOP MINDA CORPORATION	4	0.361	2014
223	RUDRAPUR PIPELINE NETWORK	MINDA CORPORATION TOP TO BADVE	4	0.031	2014
224	RUDRAPUR PIPELINE NETWORK	TOP (RT RUDRAPUR -BAJAJ AUTO) - KIRAN UDYOG	4	0.56	2018
225	KOTA CHITTAURGARH NETWORK	KOTA (NAYANOHRA) - BIJAULIYA	16	70	2017
226	KOTA CHITTAURGARH NETWORK	BIJAULIYA - KANDAKOTA CHITTORGARH	16	58	2017
227	KOTA CHITTAURGARH NETWORK	KANDA - BILIYA (CHITTAURGARH)	12	40	2017

**Annexure B****Consideration of Economic Life of Natural Gas Pipelines as 30 years from the current 25 years**

At present, under the extant provisions of PNGRB (Determination of Natural Gas Pipeline Tariff) Regulations, 2008, Economic Life of a Natural Gas Pipeline is being considered as 25 years from the date of commissioning of the pipeline for computation of transportation tariffs.

However, Schedule II of Companies Act, 2013, provides for considering the Useful Life of Pipelines as 30 years. In line with the same, GAIL is already following the depreciation rate considering the useful life of pipelines as 30 years in the books of accounts.

There is an emerging view that, for the purpose of computation of tariff also, there are merits in considering the Economic Life of Natural Gas Pipelines as 30 years, in alignment with the said Useful Life of Pipelines.

Earlier, in pre-PNGRB period also, Tariff Commission had considered the Economic Life for the purpose of arriving at net fixed assets of pipelines as 30 years.

In this regard, a wider stakeholder consultation process may be necessary, and accordingly, if deemed fit to change the economic life as 30 years for the purpose of tariff computation of all pipelines coming under PNGRB regulatory purview, then suitable amendments may have to be introduced in the extant PNGRB regulatory framework.

Till then, in accordance with the extant notified regulatory provisions, let the transportation tariff be determined for all the natural gas pipelines by considering the economic life as 25 years, with the provision that, at the end of 25 years, PNGRB may suitably extend it as the Board may deem it fit at that point in time.

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**Modification For Enhancing Operational Efficiency and Improving Flexibility of Operations in the HVJ Natural Gas Pipeline System**

HVJ Pipeline system transports natural gas from Hazira to Vijaipur, and thereafter, to various units downstream of Vijaipur, viz., Auraiya, Dadri etc.

In the Hazira to Vijaipur section, the HVJ pipeline system has compressor stations at Hazira, Vaghodia, Jhabua, Khera and Vijaipur for boosting / re-boosting the gas pressure at various points to transport the gas up to Vijaipur and beyond. Also, between Hazira and Vijaipur, the system comprises three trunk lines, i.e., 36" dia Hazira-Vijaipur section and the two DVPL pipelines (i.e., 42" DVPL-I and the 48" DVPL-II which run in parallel to the 36" HVJ from Vemar to Vijaipur) for carrying the gas available from Hazira, Dahej and Ankot to Vijaipur.

At present, in the normal course of operation, all the compressor stations on 36" HVJ pipeline remain in operation to handle the available volume of natural gas from Hazira to Vijaipur and DVPL pipelines are not fully utilized and they can handle more gas flows through them up to Vijaipur. Hence it is found prudent to utilize the higher capacity in these DVPL pipelines so that the injected gas from Hazira, Dahej and Ankot can be more economically transported up to Vijaipur without running some compressors in 36" HVJ pipeline at Jhabua and Khera.

Therefore necessary modifications are being undertaken under the subject project to enhance operational flexibility between the HVJ and DVPL pipelines. The said modification project is undertaken to potentially save up to 0.34 MMSCMD of compressor fuel, by re-routing some gas through the said DVPL pipelines and by avoiding running of some compressors at Jhabua and Khera. Thus the subject modification project would lead to optimization of running compressors in the system. Also, the modification project would help in maintaining uninterrupted gas flow to customers during occasional downtime of any one of the pipelines.

Extant PNGRB Tariff Regulations also provide for consideration of cost incurred in improvement/modifications.

Keeping in view, the modification project is being undertaken for the benefit of all the gas suppliers, shippers and consumers of the HVJ pipeline system, it is submitted that the entailed capex in this regard may kindly be considered in the tariff determination.

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