

**CRUDE PIPELINE NETWORK IN INDIA 2018-19**

S. No.	Type of Pipeline/ Owner	Name of Pipeline	Dia	Capacity (MMTPA)		Length (Km)		Thru'put (TMT)	
			Inch	31.03.2018	31.03.2019	31.03.2018	31.03.2019	31.03.2018	31.03.2019
			<b>CRUDE PIPELINES (Onshore)</b>						
<b>1</b>	<b>IOCL:</b>								
	SMPL	Salaya Mathura Pipeline	42/28/24	25.000	25.000	2646	2646	26203	26360
	MPPL	Mundra Panipat Pipeline	28/22	8.400	8.400	1194	1194	8437	7800
	PHBPL	Paradip Haldia Barauni Pipeline	48/36/30/18	15.200	15.200	1355	1355	16437	17171
		<b>Sub-total</b>		<b>48.600</b>	<b>48.600</b>	<b>5195</b>	<b>5195</b>	<b>51077</b>	<b>51331</b>
<b>2</b>	<b>ONGC:</b>								
		14" CTF (Central Tank Farm) Kalol to CTF Nawagam-New (New line commissioned in Aug'2010)		3.14	3.14	62.50	62.50	959.0	986
		18" Nawagam-Koyali pipeline (old)#		5.40	5.40	78.40		1790.0	
		18" Nawagam-Koyali pipeline (new)##		5.40	5.40	79.60	79.60	376.0	2898
		14" Nawagam-Koyali pipeline* (old)		3.30	3.30	78.40	78.40	1325.0	563
		14" MHN-NGM (Mehsana Nawagam) Trunk line- New (New crude oil trunk line commissioned. Under operation since Dec' 2010)		2.265	2.265	77.000	77.000	2061.0	2025
		16" CTF(Central Tank Farm), Ankleshwar to Koyali Oil pipeline (AKCL-Ankleshwar Koyali Crude Line)**		2.199	2.199	94.8	94.8	920.0	908
		8" CTF(Central Tank Farm), Ankleshwar to CPF(Central Processing Facility), Gandhar		0.394	0.394	44.30	44.30	0	0
		12" CPF (Central Processing Facility), Gandhar to Saraswani 'T' point		1.805	1.805	56.70	56.70	686.0	761
		10" Akholjuni-Koyali oil pipeline (Commisioned in July 2010), Akholjuni to Laxmipura 'T' point		0.481	0.481	65.50	65.50	193.0	180
		12" Lakwa-Moran oil line (New)***		1.50	1.50	14.60	14.60	107.0	353

	12" Lakwa-Moran oil line (Old)		1.50	1.50	17.50	17.50	305.0	24
	14" Geleki-Jorhat pipeline (Old)		1.50	1.50	48.50	48.50	417.0	334
	14" Geleki-Jorhat pipeline (New)		0.00	1.50	0.00	48.00	0.0	62
	12" Borholla-Jorhat pipeline (old)		0.60	0.60	42.80	42.80	154.0	145
	12" Borholla-Jorhat pipeline (New)		0.00	0.60	0.00	43.40	0.0	51
	8" NRM (Narimanam) to CPCL(Chennai Petroleum Corporation Limited)		0.74	0.74	4.90	4.90	339.0	387
	4" KSP-WGGS to TPK Refinery (Kesnapalli-West Group Gathering Station to Tatipaka Refinery)		0.083	0.083	13.50	13.50	31.0	3
	4" GMAA EPT (Gopavaram Early Production Terminal) to S. Yanam Unloading Terminal (3.5 km long and 4"). New Line Commissioned on 28.7.2010		0.09	0.09	3.50	3.50	46	16
	<b>Sub-total</b>		<b>21.40</b>	<b>23.50</b>	<b>782.5</b>	<b>795.5</b>	<b>9709.00</b>	<b>9696.00</b>
<b>3</b>	<b>OIL:</b>							
	NBPL	DN 400mm (16")	4.8	6	401.30	401.30	3667.00	3582.00
	NBPL	DN 350mm (14")	3.0	2.3	756.00	756.00	2355.00	2376.00
	Naharkatiya - Digboi Pipeline	DN 200mm (8")	0.65	0.65	35.30	35.30	622.00	605.00
	<b>Sub-total</b>		<b>8.45</b>	<b>8.95</b>	<b>1192.60</b>	<b>1192.60</b>	<b>6644.00</b>	<b>6563.00</b>
<b>4</b>	<b>JV:</b>							
	HMEL (JV with HPCL) (Mundra - Bhatinda Pipeline)		9.00	11.30	1017.00	1017.00	8907.00	12500.00
	BORL (JV with BPCL) (Vadinar - Bina Crude Oil Pipeline)	24"	6.00	7.80	937.00	937.00	6714.00	5757.00
	<b>Sub-total</b>		<b>15.00</b>	<b>19.10</b>	<b>1954.00</b>	<b>1954.00</b>	<b>15621.00</b>	<b>18257.00</b>
<b>5</b>	<b>Cairn:</b>							
	Mangat Bhogat pipeline		8.71	8.71	670.00	660.00	7800.00	7600.00
	<b>Sub-total</b>		<b>8.71</b>	<b>8.71</b>	<b>670.00</b>	<b>660.00</b>	<b>7800.00</b>	<b>7600.00</b>
<b>Total (A) - Crude Pipelines (Onshore)</b>			<b>102.16</b>	<b>108.86</b>	<b>9794.07</b>	<b>9797.07</b>	<b>90851.00</b>	<b>93447.00</b>
<b>CRUDE PIPELINES (Offshore)</b>								
<b>1</b>	<b>IOCL:</b>							
	SMPL	Salaya Mathura Pipeline	42	-	-	14	14	-
	PHBPL	Paradip Haldia Barauni Pipeline	48	-	-	92	92	-
	<b>Sub-total</b>				<b>106.00</b>	<b>106.00</b>		
<b>2</b>	<b>Cairn:</b>							
	Bhogat Marine pipeline		0.40	0.40	28.00	28.00	2120.00	1900.00
	<b>Sub-total</b>		<b>0.40</b>	<b>0.40</b>	<b>28.00</b>	<b>28.00</b>	<b>2120.00</b>	<b>1900.00</b>
<b>3</b>	<b>ONGC:</b>							

	30" MUT (Mumbai Uran Trunk) oil line		15.634	15.634	204.00	204.00	10021.00	8817.00
	24" HUT (Heera Uran Trunk) oil line		11.5 Derated MAOP to 35 kg/cm2 as per FFP certification report 2014-15	11.5 MAOP derated to 35 kg/cm2 as per FFP certification report 2014-15	81	81	3064	2890
	30" BUT (Bombay High Uran subsea Trunk) oil line		18 Derated MAOP to 15 kg/cm2 as per FFP certification report 2013-14	18 MAOP derated to 15 kg/cm2 as per FFP certification report 2013-14	203	203	0	61
	<b>Sub-total</b>		<b>45.134</b>	<b>45.134</b>	<b>488.00</b>	<b>488.00</b>	<b>13085.0</b>	<b>11768.0</b>
	<b>Total (B) - Crude Pipelines (Offshore)</b>		<b>45.534</b>	<b>45.534</b>	<b>622.000</b>	<b>622.000</b>	<b>15205.000</b>	<b>13668.000</b>
	<b>Total Crude (C) = Crude (A) Onshore + Crude (B) Offshore</b>		<b>147.691</b>	<b>154.391</b>	<b>10416.07</b>	<b>10419.07</b>	<b>106056.0</b>	<b>107115.0</b>

**LPG PIPELINE NETWORK IN INDIA 2018-19**

S. No.	Type of Pipeline/ Owner	Name of Pipeline	Capacity (MMTPA)		Length (Km)		Thru'put (TMT)		
			31.03.2018	31.03.2019	31.03.2018	31.03.2019	31.03.2018	31.03.2019	
<b>LPG PIPELINES</b>									
1	<b>IOCL:</b>								
	PJPL	Panipat Jalandhar Pipeline		0.700	0.700	274	280	599	618
	PHDPL	Paradip Haldia Durgapur Pipeline		0.503	1.153	157	673	50	482
		<b>Sub-Total</b>		<b>1.203</b>	<b>1.853</b>	<b>431.00</b>	<b>953.00</b>	<b>649.00</b>	<b>1100.00</b>
2	<b>BPCL:</b>								
		Mumbai-Uran LPG Pipeline (BPCL-HPCL-JV)		0.80	0.80	28.00	28.00	337.00	363.00
		Kochi Udayamperoor LPG Pipeline (Kochi Salem Pipeline Pvt. Ltd.: BPCL-IOCL JV, Onshore Pipeline)		-	0.18	-	11.69	-	90.59
		<b>Sub-Total</b>		<b>0.80</b>	<b>0.98</b>	<b>28.00</b>	<b>39.69</b>	<b>337.00</b>	<b>454</b>
3	<b>HPCL:</b>								
		Mangalore - Hassan - Mysore - Solur LPG Pipeline	14"/16"/10"	1.94	1.94	356	356	783	961
		<b>Sub-Total</b>		<b>1.94</b>	<b>1.94</b>	<b>356.00</b>	<b>356.00</b>	<b>782.87</b>	<b>961.44</b>
4	<b>GAIL:</b>								
		Jamnagar-Loni LPG Pipeline (JLPL)		2.50	2.50	1414	1414	2673.00	2851
		Vizag-Secundrabad LPG Pipeline (VSPL)		1.33	1.33	618	618	1040.00	1123
		<b>Sub-Total</b>		<b>3.83</b>	<b>3.83</b>	<b>2032</b>	<b>2032</b>	<b>3713.00</b>	<b>3974.00</b>
		<b>Total LPG Pipelines</b>		<b>7.77</b>	<b>8.60</b>	<b>2847.00</b>	<b>3380.69</b>	<b>5481.87</b>	<b>6489.03</b>

**PRODUCT PIPELINE NETWORK IN INDIA 2018-19**

S. No.	Type of Pipeline/ Owner	Name of Pipeline	Dia	Capacity (MMTPA)		Length (Km)		Thru'put (TMT)	
			Inch	31.03.2018	31.03.2019	31.03.2018	31.03.2019	31.03.2018	31.03.2019
<b>PRODUCT PIPELINES (Onshore)</b>									
1	<b>IOCL:</b>								
	KAPL	Koyali Ahmedabad Pipeline	8	1.100	1.100	79	79	153	169
	KSPL	Koyali Sanganer Pipeline (Including Jaipur Panipat Naphtha Pipeline)	18/12/10/ 22/16/12	4.600	4.600	1300	1644	4351	4405
	KRPL	Koyali Ratlam Pipeline	16	2.000	2.000	265	265	1452	1487
	KDPL	Koyali Dahej Pipeline	14/12	2.600	2.600	197	197	938	1058
	BKPL	Barauni Kanpur Pipeline	20/12	3.500	3.500	856	857	2257	2769
	HMRPL	Haldia Mourigram Rajbandh Pipeline	12	1.350	1.350	277	277	1824	2049
	HBPL	Haldia Barauni Pipeline	12	1.250	1.250	526	526	1485	1673
	GSPL	Guwahati Siliguri Pipeline	8	1.400	1.400	435	435	1832	1818
	PBPL	Panipat Bhatinda Pipeline	14	1.500	1.500	219	219	1546	1488
	PRPL	Panipat Rewari Pipeline	12	2.100	2.100	155	155	1690	1582
	PAJPL	Panipat Ambala Jalandhar Pipeline	14/12/10	3.500	3.500	434	434	3060	3172
	PDPL	Panipat Delhi Pipeline	14/10	3.000	3.000	189	189	1100	1311
		Panipat Bijwasan ATF Pipeline*	10			111	111		
	MDPL	Mathura Delhi Pipeline	16	3.700	3.700	147	147	2763	2984
	MTPL	Mathura Tundla Pipeline	16	1.200	1.200	56	56	426	424
	MBPL	Mathura Bharatpur Pipeline	8			21	21	165	113
	CTMPL	Chennai Trichy Madurai Pipeline	14/12/10	2.300	2.300	683	683	2841	2959
	CBPL	Chennai Bangalore Pipeline	14/12	2.450	2.450	290	290	1715	1845
	CMPL	Chennai Meenambakkam ATF Pipeline	8	0.180	0.180	95	95	230	279
	DTPL	Digboi Tinsukia Pipeline	8/6	1.000	0.334	75	NA	528	107
	DDPL	Devangonhi Devanhalli Pipeline	8	0.660	0.660	36	36	424	503
	PRRPL	Paradip Raipur Ranchi Pipeline	18/16/14/12/10	5.000	5.000	1073	1073	3169	3839
ATF-KOL	Kolkata ATF Pipeline	8	NA	0.117	NA	27	NA	62	
<b>Sub-Total</b>			<b>44.390</b>	<b>43.841</b>	<b>7519.00</b>	<b>7816.00</b>	<b>33949.00</b>	<b>36096.00</b>	
2	<b>BPCL:</b>								
		Mumbai-Manmad-Bijwasan Multiproduct Pipeline	18"/14"/16"/8"	6.00	6.00	1389	1389	7015	7556
		Bina-Kota Multiproduct Pipeline	18"	4.40	4.40	259	259	3388	3053
		Kota-Jobner Multiproduct Pipeline (Branch Line)	14"	*	*	211	211	*	*
		Mumbai ATF Pipeline	10"	1.44	1.44	15	15	933	908
		Kochi ATF Pipeline	8"	0.60	0.60	34	34	380	525
		Mumbai LOPBS Pipeline	12"	1.30	1.30	12	12	262	146
<b>Sub-Total</b>			<b>13.74</b>	<b>13.74</b>	<b>1920.00</b>	<b>1920.00</b>	<b>11978.00</b>	<b>12188.00</b>	
3	<b>HPCL:</b>								
	White Oil/ HPCL Owned	Mumbai - Pune - Solapur Pipeline (MPSPL)	14"/12"	4.30	4.30	508	508	4655	4268
	White Oil/ HPCL Owned	Visakh - Vijaywada - Secunderabad Pipeline (VVSPL)	18"/16"/14"	5.38	5.38	572	572	5752	5916
White Oil/ HPCL Owned - 1 MMT Common User	Mundra - Delhi Pipeline (MDPL)	18"/16"	5.00	5.00	1054	1054	5943	7002	

White Oil/ HPCL Owned	Ramanmandi - Bahadurgarh Pipeline (RBPL)	18"	4.71	4.71	243	243	4340	6128
White Oil/ HPCL Owned	Ramanmandi - Bhatinda Pipeline (RBhPL)	10"	2.10	2.10	30	30	852	1013
White Oil/ HPCL Owned	Awa - Salawas Pipeline (ASPL)	10"	2.3	2.3	93	93	722	737
White Oil/ HPCL Owned	Bahadurgarh - Tikrikalan Pipeline (BTPL)	10"/8"	0.8	0.8	14	14	528	435
White Oil/ HPCL Owned	Rewari-Kanpur Pipeline (RKPL)	18"	8.0	8.0	443	443	2672	3922
Lube Oil/ HPCL	Mumbai Refinery to Mazagaon Terminal (LOPL)	12"	1.00	1.00	17	17	463	486
Black Oil/ HPCL Owned	Black Oil Pipeline (BOPL)-Mumbai Refinery to Vashi Terminal (BOPL)	12"	1.50	1.50	21.50	21.50	325	443
ATF Pipeline/ HPCL Owned	Mumbai Refinery to Mumbai Airport (ATF Pipeline)	10"	1.10	1.10	20	20	463	478
<b>Sub-Total</b>			<b>25.09</b>	<b>25.09</b>	<b>3015.25</b>	<b>3015.25</b>	<b>20540.94</b>	<b>21530</b>
<b>4</b>	<b>OIL</b>							
NSPL	Numaligarh - Siliguri Product Pipeline		1.72	1.72	654.3	654.3	1872.00	1777.00
<b>Sub-Total</b>			<b>1.72</b>	<b>1.72</b>	<b>654.30</b>	<b>654.30</b>	<b>1872.00</b>	<b>1777.00</b>
<b>5</b>	<b>JV</b>							
PCCK	Cochin - Coimbatore - Karur Multiproduct Pipeline	18"/14"	3.30	3.30	293.00	293.00	2651.00	2790.00
PMHBL ONGC/HPCL JV 26% each	Mangalore - Hassan -Bengaluru Pipeline	20"/24"/20"	2.14	2.14	364.00	364.00	3500.00	3362.00
<b>Sub-Total</b>			<b>5.44</b>	<b>5.44</b>	<b>657.00</b>	<b>657.00</b>	<b>6151.00</b>	<b>6152.00</b>
<b>Total Product (Onshore)</b>			<b>90.38</b>	<b>89.83</b>	<b>13765.55</b>	<b>14062.55</b>	<b>74490.94</b>	<b>77743.41</b>

### GAS PIPELINE NETWORK IN INDIA 2018-19

S. No.	Type of Pipeline/ Owner	Name of Pipeline	Capacity (MMSCMD)		Length (Km)		Thru'put (MMSCMD)	
			31.03.2018	31.03.2019	31.03.2018	31.03.2019	31.03.2018	31.03.2019
<b>GAS PIPELINES (Onshore)</b>								
1	<b>IOCL:</b>							
		Dadri Panipat R LNG Pipeline	9.5	9.5	140	140	4.74	5.17
		ETBPNMTPL	NA	12.19	NA	21	NA	0.12
		<b>Sub-Total</b>	<b>9.50</b>	<b>21.69</b>	<b>140</b>	<b>161</b>	<b>4.74</b>	<b>5.29</b>
2	<b>ONGC:</b>							
		20" Agartala Dome GCS-OTPC, Palatana	3.2	3.2	52.8	52.8	2.20	2.39
		Sonamura-Palatana 16" Trunk Line	0.8	0.8	21.0	21.0	0.09	0.11
		Konaban-Nimbutali 16" Trunk line	1.5	1.5	12.0	12.0	0.69	0.86
		Sonamura-Monarchak 10" Trunk Line	0.5	0.5	10.5	10.5	0.39	0.40
	<b>Sub-Total</b>	<b>6.00</b>	<b>6.00</b>	<b>96.3</b>	<b>96.3</b>	<b>3.37</b>	<b>3.76</b>	
3	<b>GAIL:</b>							
	1.a	HVJ-GREP-DVPL + spur lines (Dia: 36")	53	53	4554	4554	29.52	28.25
	1.b	DVPL-GREP upgradation (DVPL-II & VDPL) (48")	54	54	1385	1385	35.92	38.68
	1.c(i)	CJHPL (SNPL part)* (Dia: 36"/16")	5	5	310	310	1.01	1.03
	1.c(ii)	Dadri Bawana Nangal* (Dia: 36"/30"/24"/18")	31	31	852	852	5.49	6.40
	2	Dahej-Panwal-Dabhol (Dia: 30"/18")	19.90	19.90	928	928	13.94	14.04
	3	Kochi-Manglore- Bengaluru (Ph-1) (Dia: 16"/4")	6	6	48	48	2.29	1.71
	4	Dabhol-Bengaluru (Dia: 36"/4")	16	16	1116	1116	1.27	1.25
	5.a	Gujarat: Baroda sub network (Dia:24"/16")	9	9	685	685	4.37	4.09
	5.b	Gujarat: Motwan sub network (Dia:24"/16")						
	5.c	Gujarat: Kalol Ramol sub network (Dia:24"/16")						
	5.d	Gujarat: kadi Kalol sub network (Dia:24"/16")						
	5.e	Gujarat: paliyad sub network (Dia:24"/16")						
5.f	Gujarat: Mehsana sub network (Dia:24"/16")							
5.g	Gujarat: Ex Hazira (GGCL) (Dia:24"/16")							
6	Rajasthan (Dia:12")	2.35	2.35	151	151	1.35	1.13	
7	Cauvery Basin (Dia:18")	8.662	8.662	306	306	3.25	3.37	
8	Lakwa (Dia: 24")	NA	NA	NA	NA	NA	0.32	

9	Agartala (Dia: 12")	2.30	2.30	60	60	1.30	1.29
10 a.	Mumbai Uran-Thal-Usar (Dia: 26")	3.542	3.542	131	131	6.43	6.37
10 b.	Mumbai Trombay-RCF (Dia: 26")	3.49	3.49				
11	KG Basin (Dia: 18")	15.997	15.997	884	884	5.40	5.18
<b>Sub-total</b>		<b>194</b>	<b>194</b>	<b>11410</b>	<b>11410</b>	<b>105.04</b>	<b>105.68</b>
<b>Total (A) Gas Pipelines Onshore</b>		<b>209.74</b>	<b>221.93</b>	<b>11646.30</b>	<b>11667.70</b>	<b>113.15</b>	<b>114.73</b>
<b>GAS PIPELINES (Offshore)</b>							
1	<b>ONGC</b>						
	28" MUT gas line	12.247	12.247	204.00	204.00	8.79	8.571
	26" BUT gas line	12.5 MAOP derated to 60 kg/cm2 as per FFP certification 2012-13	12.5 MAOP derated to 60 kg/cm2 as per FFP certification 2012-13	203.00	203.00	0.114	0.335
	26" HUT gas line	16.00	16.00	81.00	81.00	2.038	2.020
	36" BPA- Hazira (Gas)	22.00	22.00	231.00	231.00	11.312	9.538
	42" BPB- Hazira (Gas)	37.00	37.00	244.00	244.00	17.343	20.704
	20" Uran Trombay Gas Line	6.00	6.00	24.00	24.00	3.666	3.790
<b>Sub-Total</b>		<b>105.75</b>	<b>105.75</b>	<b>987.00</b>	<b>987.00</b>	<b>43.263</b>	<b>44.96</b>
<b>Total (B) Gas Pipelines Offshore</b>		<b>105.75</b>	<b>105.75</b>	<b>987.00</b>	<b>987.00</b>	<b>43.26</b>	<b>44.96</b>
<b>Total Gas (C) = Gas Pipeline (A) Onshore + Gas Pipeline (B) Offshore</b>		<b>315.49</b>	<b>327.68</b>	<b>12633.30</b>	<b>12654.70</b>	<b>156.41</b>	<b>159.69</b>