

## Frequently Asked Questions (FAQs)

### 1: What is the status of gas Consumers of SNGPL at present?

There are 5,315,885 consumers of SNGPL (as of 30-6-2016).

### 2: What is the status of gas Consumers of SSGCL at present?

There are 2,773,457 consumers of SSGCL (as of 30-6-2016).

### 3: What is the category wise status of all gas consumers in the Country at present?

There are 8,089,342 consumers connected to the piped network consuming natural gas / RLNG in the Country (as of 30-6-2016). The detailed breakup is given as under:

Sector	<u>SNGPL</u>				<u>SSGCL</u>				Total Country
	Punjab	KPK	AJK	Total (SNGPL)	Karachi	Sindh Interior	Balochistan	Total (SSGCL)	
Domestic	4,574,510	669,732	6,652	5,250,894	1,720,164	772,925	253,113	2,746,202	7,997,096
Commercial	49,004	9,181	118	58,303	16,064	4,393	2,624	23,081	81,384
Industrial	5,865	820	3	6,688	3,474	643	57	4,174	10,862
<b>Total</b>	<b><u>4,629,379</u></b>	<b><u>679,733</u></b>	<b><u>6,773</u></b>	<b><u>5,315,885</u></b>	<b><u>1,739,702</u></b>	<b><u>777,961</u></b>	<b><u>255,794</u></b>	<b><u>2,773,457</u></b>	<b><u>8,089,342</u></b>

Source: SNGPL & SSGCL Reports

### 4: Which sector consumes highest volume of gas in Pakistan?

The Power Sector consumes highest share of gas volume in the Country, followed by Residential (Domestic) and Fertilizer Sectors.

### 5: What are the details of sector wise gas consumption in the Country?

Details of sector wise gas consumption for FY: 2016 is given as under:

#### Sector-wise Gas Consumption (in MMCFD) for FY 2015-16

<u>Sector</u>	<i>SNGPL System</i>	<i>SSGCL System</i>	<i>Independent System</i>	<i>Total Country</i>	Percentage Share ( % ) (Net of own use & losses)
Residential	510	231	0	741	21
Commercial	64	28	0	92	3
General industry	137	183	0	320	9
Fertilizer	136	51	533	720	21

Cement	1	1	0	2	0
Captive Power	138	186	65	389	11
Power	379	293	390	1,062	30
Transport (CNG)	97	79	0	176	5
<b>Subtotal (Sector wise Consumption)</b>	1,462	1,052	988	3,502	<b>100</b>
Own use	13	4	0	17	-
UFG, Transmission & Distribution losses / Others	202	227	0	429	-
<b><u>Total</u></b>	<b><u>1,676</u></b>	<b><u>1,283</u></b>	<b><u>988</u></b>	<b><u>3,947</u></b>	-

Source: SNGPL SSGCL and Independent systems.

**6: What measures have been taken by GOP / OGRA to control theft of gas?**

The Gas Utility Companies, being custodian of their transmission / distribution networks have pivotal role to check and control the theft of gas. The Gas (Theft Control and Recovery) Ordinance, 2015 has recently been promulgated by the GOP, to establish a mechanism to check and control theft of natural gas.

OGRA notified "Procedure for Dealing with Theft of Gas Cases" for effective control of gas theft cases, whereby the Gas Utility Companies can effectively take measures against different factors contributing to UFG.

**7: What is the status of demand & supply of natural gas in the Country?**

In winter season there is a constrained demand / supply gap of approx. 2000 MMcfd in Pakistan.

**8: Can OGRA give us future projections of gas demand & supply scenario in Pakistan?**

Projections w.r.t. demand supply scenario (indigenous supplies only) are given as under: (Source: OGRA Annual Report, 2015-16):

**GRAPH TO BE INSERTED HERE FROM OGRA ANNUAL REPORT 2015-16 (Fig: 2.6) FOR DEMAND SUPPLY GAP**

The projections of the natural gas demand and supply suggest that Pakistan is likely to face a huge gap of 8.5 Bcfd by the year 2028-29.

## 9: What are details of Gas Transmission Network of SNGPL?

The total transmission network of SNGPL is 7941 Km (as of 30-6-2016). The details are as under:

Diameter (Inch)														
	3"	4"	6"	8"	10"	12"	16"	18"	20"	24"	30"	36"	42"	Grand Total (Km)
Punjab	0.24	4.43	142.68	1298.33	534.6	301.48	1110.85	663.22	59.35	680.55	617.33	546.57	--	5959.58
KPK	--	--	57.79	678.60	133	104.18	139.66	--	--	148.02	--	--	--	1261.24
Balochistan	--	--	--	--	--	--	--	11.25	--	89.81	19.31	--	--	120.37
Sindh	--	2.41	---	2.87	5.5	4.5	91.27	--	37.8	149.95	67.42	54.95	129.69	546.36
AJK	--	--	--	17.35	--	--	--	--	--	--	--	--	--	17.35
<b>Total</b>	<b>0.24</b>	<b>6.84</b>	<b>200.47</b>	<b>1997.15</b>	<b>673.05</b>	<b>410.16</b>	<b>1341.78</b>	<b>674.47</b>	<b>97.15</b>	<b>1068.33</b>	<b>704.06</b>	<b>601.52</b>	<b>20.92</b>	<b>7941.08</b>

Source: SNGPL Report

## 10: What are details of Gas Transmission Network of SSGCL?

The total transmission network of SSGCL is 3,614 Km (as of 30-6-2016). The details are as under:

Diameter (inch)	6"	12"	16"	18"	20"	24"	30"	42"	Grand Total (Kms)
Length (Km)	36	493	558	950	852	686	9	30	3,614

Source: SSGCL

## 11: What are details of Gas Distribution Network of SNGPL?

The total distribution network of SNGPL is 103,517 Km (as of 30-6-2016). The details are as under:

<b>PUNJAB</b>														
REGION	3/4"	1"	1.25"	1.5"	2"	4"	6"	8"	10"	12"	16"	18"	24"	Total
Islamabad	3603	4137	2486	8	3409	1757	733	223	77	51	36	2	17	16,538
Bahawalpur	803	1245	617	-	1004	550	204	109	46	27	-	-	-	4,605
Gujrat	74	9	155		95	78	15	14	-	-	-	-	-	440
Sahiwal	71	18	111		48	60	9	-	-	-	-	-	-	317
Sheikhupura	71	34	93		65	20	-	-	-	-	-	-	-	284
Sargodha	80	-	234		83	94	25	-	-	-	-	-	-	517

Faisalabad	2974	4358	1381	-	2212	1533	712	358	9	32	26	-	-	13,595
Lahore	4997	8701	2789	12	4661	1759	867	489	120	115	180	33	31	24,753
Multan	1985	916	2201	-	3408	2459	607	220	57	68	12	-	-	11,934
Gujranwala	2855	3209	2105	-	3226	2070	971	534	16	4	27	6	-	15,023
Sub-Total, Punjab	<b>17512</b>	<b>22628</b>	<b>12173</b>	<b>20</b>	<b>18212</b>	<b>10380</b>	<b>4142</b>	<b>1947</b>	<b>324</b>	<b>298</b>	<b>280</b>	<b>41</b>	<b>48</b>	<b>88,005</b>
<b><u>KPK</u></b>														
Peshawar	2414	2801	1059	-	2763	1853	861	305	194	36	32	8	-	12327
Abbottabad	608	1060	315	-	680	352	94	70	-	3	4	-	-	3,185
Sub-Total, KPK	3022	3861	1374	-	3443	2205	955	375	194	39	35	8	-	15,512
Total Distribution Network	<b>20535</b>	<b>26489</b>	<b>13547</b>	<b>20</b>	<b>21655</b>	<b>12585</b>	<b>5097</b>	<b>2321</b>	<b>518</b>	<b>337</b>	<b>316</b>	<b>48</b>	<b>48</b>	<b>103,517</b>

Source: SNGPL

## 12: What are details of Gas Distribution Network of SSGCL?

The total distribution network of SSGC is 46,761 Km (as of 30-6-2016). The details are as under:

Region	Cumulative Distribution Network (KM)									
	SINDH									
	1"-2"	3"	4"	6"	8"	10"	12"	16"	Others	Total
Sindh (Interior)	9015	15	3531	1726	495	33	38	15	6412	21,280
Karachi	5124	--	798	478	606	15	179	99	8497	15,796
Subtotal	14139	15	4329	2204	1101	48	217	114	14,909	37,076
	BALOCHISTAN									
	1"-2"	3"	4"	6"	8"	10"	12"	16"	Others	Total
	Balochistan	3277	--	1151	372	487	6	48	90	2,254
<b>Grand Total</b>	<b>17416</b>	<b>15</b>	<b>5480</b>	<b>2576</b>	<b>1588</b>	<b>54</b>	<b>265</b>	<b>204</b>	<b>17,163</b>	<b>44,761</b>

**13: How can the wastage of natural gas be controlled?**

- I. Energy efficiency audit of industries in the Country.
- II. Control on gas leakages, UFG control and transmission / distribution losses.
- III. Use of efficient appliances / use of timer on gas geysers / water heaters.
- IV. Inefficient gas fired boilers should be replaced.

**14: What are the measures to enhance gas production / availability?**

- Indigenous exploration should be increased and incentivized.
- Tight gas utilization.
- Flare gas utilization.
- Import of gases through LNG and cross country gas transmission pipelines.

**15: What are the measures to control energy crisis in Pakistan?**

- Coal based power be enhanced in total energy mix.
- Bio diesel be promoted in the country on priority basis.
- Enhance LPG share in total energy mix.
- Import of LPG as short term measures to bridge the gap.
- Resolution of large number of court cases of various gas fields by the Federal Government. In this regard appeals in Supreme Court of Pakistan may be filed for speedy disposal.
- Alternate sources (wind, coal, solar, LNG, LPG)
- Energy conservation
- Import of gas through cross border gas transmission pipeline (Iran Pakistan Pipeline, Turkmenistan Afghanistan Pakistan India, etc)
- Import of RLNG.
- Large scale hydroelectric generation power projects to be developed to increase hydroelectric generation component in energy mix.

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