Ujjwala rollout
Safety until the last mile ...........

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Ujjwala rollout

Safety until the last mile........
Salient points of LPG marketing as brought out in the LPG Profile for the period April-December 2018:-

- PSU OMCs (IOCL, BPCL and HPCL) together have **252 million** active LPG customers in the domestic category which are being served by **22,654 LPG distributors**. The LPG coverage of the country estimated on the basis of active domestic connections and estimated households as on 1st January 2019 is around **89.9%**.

- PSU OMCs have a total of **191 LPG bottling plants** all over India with rated bottling capacity of around **17.6 Million Metric Tonnes per Annum (MMTPA)**.

- PSU OMCs have sold nearly **15.8 Million Metric Tonnes (MMT)** of packed domestic LPG during April-December 2018.

- **31.2 million new domestic customers** were enrolled by PSU OMCs during April-December 2018 out of which **23.8 million were enrolled under Pradhan Mantri Ujjwala Yojana (PMUY)**. To cater to the increased customer base, 2536 distributorships were added by PSU OMCs during April-December 2018.
Before last mile......

Before we proceed with discussing safety until last mile......

......Let us also focus on safety of processes involved in making Ujjwala roll out possible.

• Before the cylinder reaches the Ujjwala customer ....
## Bottling / Tankage capacity

<table>
<thead>
<tr>
<th>YEAR</th>
<th>BOTTLING CAPACITY (In TMTPA)</th>
<th>BOTTLING PLANTS (In Nos.)</th>
<th>TANKAGE (In TMT)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mar'2010</td>
<td>11,559</td>
<td>181</td>
<td>307</td>
</tr>
<tr>
<td>Mar'2011</td>
<td>11,303</td>
<td>182</td>
<td>324</td>
</tr>
<tr>
<td>Mar'2012</td>
<td>11,904</td>
<td>183</td>
<td>333</td>
</tr>
<tr>
<td>Mar'2013</td>
<td>12,668</td>
<td>186</td>
<td>337</td>
</tr>
<tr>
<td>Mar'2014</td>
<td>13,515</td>
<td>186</td>
<td>340</td>
</tr>
<tr>
<td>Mar'2015</td>
<td>14,044</td>
<td>186</td>
<td>347</td>
</tr>
<tr>
<td>Mar'2016</td>
<td>15,172</td>
<td>188</td>
<td>359</td>
</tr>
<tr>
<td>Mar'2017</td>
<td>16,264</td>
<td>189</td>
<td>362</td>
</tr>
<tr>
<td>Mar'2018</td>
<td>17,395</td>
<td>190</td>
<td>368</td>
</tr>
<tr>
<td>Dec'2018</td>
<td>17,564</td>
<td>191</td>
<td></td>
</tr>
</tbody>
</table>
## Expansion of customer base

<table>
<thead>
<tr>
<th>YEAR</th>
<th>LPG DISTRIBUTOR (In Nos.)</th>
<th>ACTIVE DOMESTIC LPG CUSTOMER (In Million)</th>
<th>CONSUMPTION OF LPG (In TMT)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mar'2010</td>
<td>9,686</td>
<td>116.3</td>
<td>13,135</td>
</tr>
<tr>
<td>Mar'2011</td>
<td>10,541</td>
<td>125.4</td>
<td>14,331</td>
</tr>
<tr>
<td>Mar'2012</td>
<td>11,489</td>
<td>138.7</td>
<td>15,350</td>
</tr>
<tr>
<td>Mar'2013</td>
<td>12,610</td>
<td>152.3</td>
<td>15,601</td>
</tr>
<tr>
<td>Mar'2014</td>
<td>13,896</td>
<td>166.3</td>
<td>16,294</td>
</tr>
<tr>
<td>Mar'2015</td>
<td>15,930</td>
<td>184.0</td>
<td>17,639</td>
</tr>
<tr>
<td>Mar'2016</td>
<td>17,916</td>
<td>166.3</td>
<td>19,623</td>
</tr>
<tr>
<td>Mar'2017</td>
<td>18,786</td>
<td>198.8</td>
<td>21,608</td>
</tr>
<tr>
<td>Mar'2018</td>
<td>20,146</td>
<td>224.3</td>
<td>23,342</td>
</tr>
<tr>
<td>Dec'2018</td>
<td>22,654</td>
<td>250.5</td>
<td></td>
</tr>
</tbody>
</table>

Data source Industry/ PPAC
AUGMENTATION

Additional infrastructure at Bottling Plants to handle increased bottling:

- **Equipment** i.e. carousel/ pumps/ compressors/ conveyors/ QC
- **Increase in shed size** to accommodate additional bottling equipment and LPG cylinders
- **Tankage** for storing additional quantity of LPG
- Construction of **additional TLD bays** for unloading LPG
- **Additional trucks** for bulk LPG transportation
- Laying of **pipeline** / enhancement of capacity to meet additional bulk LPG demand
- **Additional trucks** for transporting packed cylinders to the market
- **Additional parking area** for the increased truck fleet
Pradhan Mantri Ujjwala Yojana (PMUY)
The Cabinet Committee on Economic Affairs, chaired by the Hon’ble Prime Minister Shri Narendra Modi, approved PMUY scheme for providing **LPG connections to women from BPL households**. Under the scheme, **Rs. 8,000 crore** was earmarked for providing five crore LPG connections to BPL households over the period of three years, namely, the FY 2016-17, 2017-18, and 2018-19.

The scheme was formally inaugurated by Hon'ble PM on **1st May 2016** in Ballia, Uttar Pradesh and subsequently the scheme was launched in other states.

Considering the overwhelming response to PMUY and to cover such households not having LPG connection, the Cabinet Committee on Economic Affairs, chaired by the Prime Minister Shri Narendra Modi, has approved to enhance the target of **EPMUY-2** (Extended PMUY-2) from 5 crore to **8 crore** with an additional allocation of **Rs. 4,800 Crore**. The revised target of PMUY will be achieved by **March 2020**.
The scheme is aimed at replacing the unclean cooking fuels mostly used by BPL households in the rural India with the clean and more efficient LPG (Liquefied Petroleum Gas).

Release of LPG connection under this scheme shall be in the name of the women belonging to the BPL family.

As per official website of PMUY (www.pmujiwalamayojana.com) 6,29,18,784 connections have been released.

**Target beneficiaries under the scheme:**

- SC/STs households
- Beneficiaries of Pradhan Mantri Awas Yojana (Gramin)
- Antyoday Anna Yojana (AAY)
- Forest dwellers
- Most Backward Classes (MBC)
- Tea & Ex-Tea Garden Tribes
- People residing in islands/ river islands.
- Poor Households as per 14 point declaration
Concern: Safety until last mile....

- Quality of education in many cases is not upto the mark and hence knowledge of **precautions** to be taken while handling LPG cylinder/burner does not percolate to the desired level despite Safety Clinics/leaflets

- Nil or very meagre **prior experience** in handling such equipment

- Small single room dwelling with availability of **flammable material** (clothes/dry vegetation/straw) in the **immediate vicinity** of the LPG Cylinder/burner

- Many BPL households with LPG connections do not have **concrete slabs** for cooking, separate kitchen and pucca house

- **Alternate fuel** (firewood/agriculture waste/biomass/kerosene) is used for cooking next to LPG cylinder/burner
Right from the inception of the Ujjwala program, emphasis has been laid on safe usage of LPG.

- While providing new connections under PMUY, it is ensured that beneficiaries are properly educated about the safety norms.
- PMUY safety-cum-insurance leaflet being given to all beneficiaries.
- At the time of issue of connection, each customer is given a safety card outlining the Dos and Don'ts of using LPG.
- A trained mechanic does the installation of LPG cylinder and also gives the customer a demo of how to use LPG safely.
- Regular Safety Clinics are being organised by the Distributors to educate the LPG consumers.
- LPG Panchayats are conducted to spread the message of safe and responsible LPG usage, providing new users hand holding support in their journey towards clean energy.
Conclusion: Safety until last mile....

- The benefits of LPG usage in rural India by BPL families far outweigh the adverse impact of safety issues mentioned.
- More lives are lost due to use of unclean cooking fuels mostly used in the rural India.
- Each life is important, hence following measures are suggested to ensure last mile safety....
Suggestions : Safety until last mile....

- Instructions/ safety leaflets do not serve the anticipated purpose when the consumer education is not upto the desired level. **Specific training to the Distributor staff** on handling BPL customers keeping in mind their educational background, economic status and fact that they are not accustomed to using modern day equipment.

- The efficacy of **practical hands-on training** to targeted users on use of the equipment to be improved.

- It has been observed that reception to the message is more efficient when **delivered by a person who is “one of their own”**. Sarpanch of the village or his nominated person (Asha worker / Midday Meal Coordinator etc.) can be trained to educate/ monitor/ counsel the target users.
• **Short films for enhancing safety awareness on safe** operation of LPG Cylinder/ burner should be shown at village Panchayat/ school. This film should also cover other topics related to safety e.g. electrical safety/ snake bite etc.

• LPG connection to be issued only after certification by Distributor that concrete/ stone cooking **platform** (at level above the LPG cylinder) for keeping the burner, is available

• **Mandatory free of cost inspection** of the kitchen/ burner once a year during delivery of the refill.

• Display of instructions for **Pre Delivery Checks (PDC)** at Distributor Gowdown in local language
Thank you!