

# Scaling infrastructure for potential demand clusters in India for hydrogen offtake

Part-7 ( Global demand clusters, international trade and development hydrogen strategy roadmaps for different geographies )

# Development of support infrastructure index



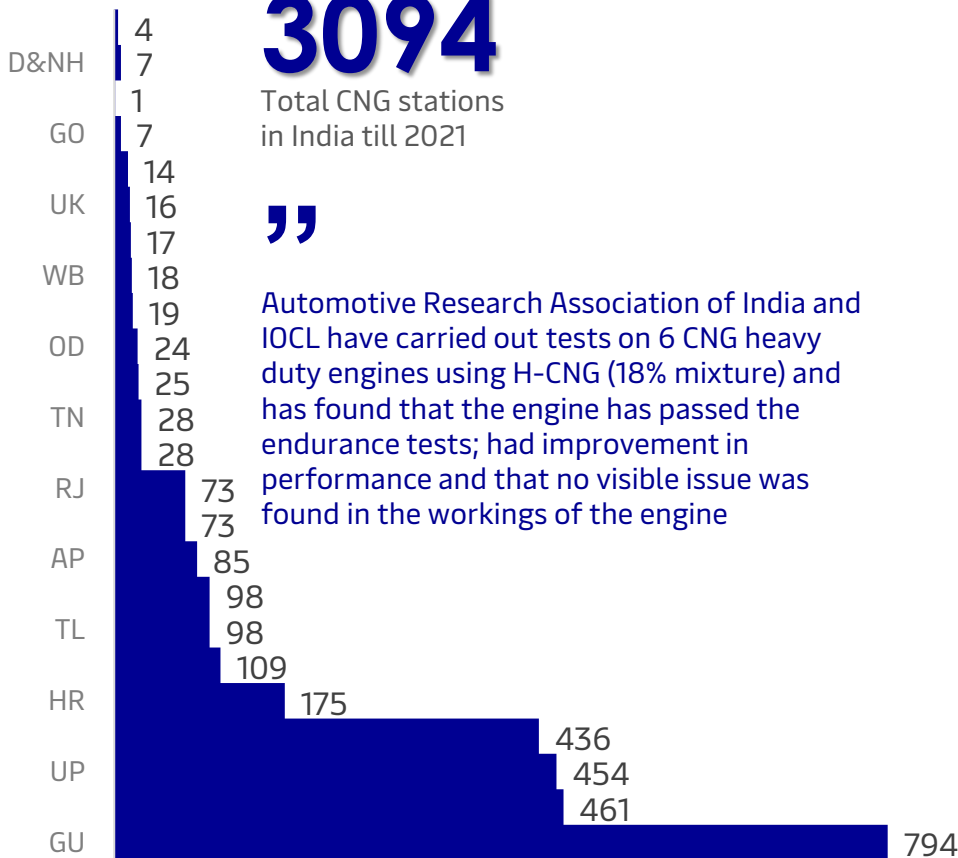
Potential locations for hydrogen fuel stations w.r.t existing CNG stations

# 3094

Total CNG stations in India till 2021



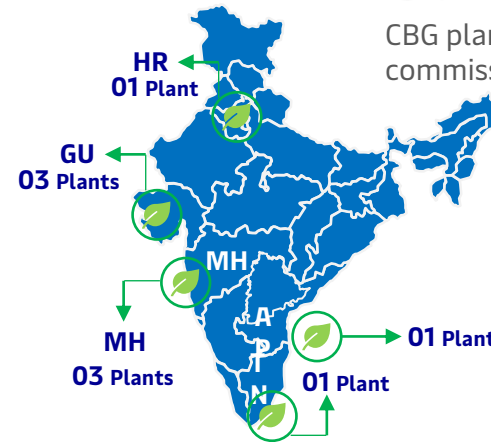
Automotive Research Association of India and IOCL have carried out tests on 6 CNG heavy duty engines using H-CNG (18% mixture) and has found that the engine has passed the endurance tests; had improvement in performance and that no visible issue was found in the workings of the engine



Government of India is also committed to augment the hydrogen supply chain infrastructure in the country including integrating it with the flagship programs like SATAT that generates CBG from municipal and agri wastes

# 09

CBG plants commissioned in India



- |                     |                 |                       |                  |
|---------------------|-----------------|-----------------------|------------------|
| UP – Uttar Pradesh  | Pradesh         | BI- Bihar             | Nagar Haveli     |
| AP – Andhra Pradesh | RJ – Rajasthan  | KR- Kerala            | D&D- Daman & Diu |
| TN – Tamil Nadu     | HR – Haryana    | HP- Himachal Pradesh  | TR- Tripura      |
| KA – Karnataka      | PU- Punjab      | MG- Meghalaya         | GO-Goa           |
| MH- Maharashtra     | OD- Odisha      | AR- Arunachal Pradesh |                  |
| GU- Gujarat         | AA – Assam      | Pradesh               |                  |
| MP – Madhya Pradesh | TL –Telangana   | CHD- Chandigarh       |                  |
|                     | UK- Uttarakhand | D&NH – Dadar          |                  |

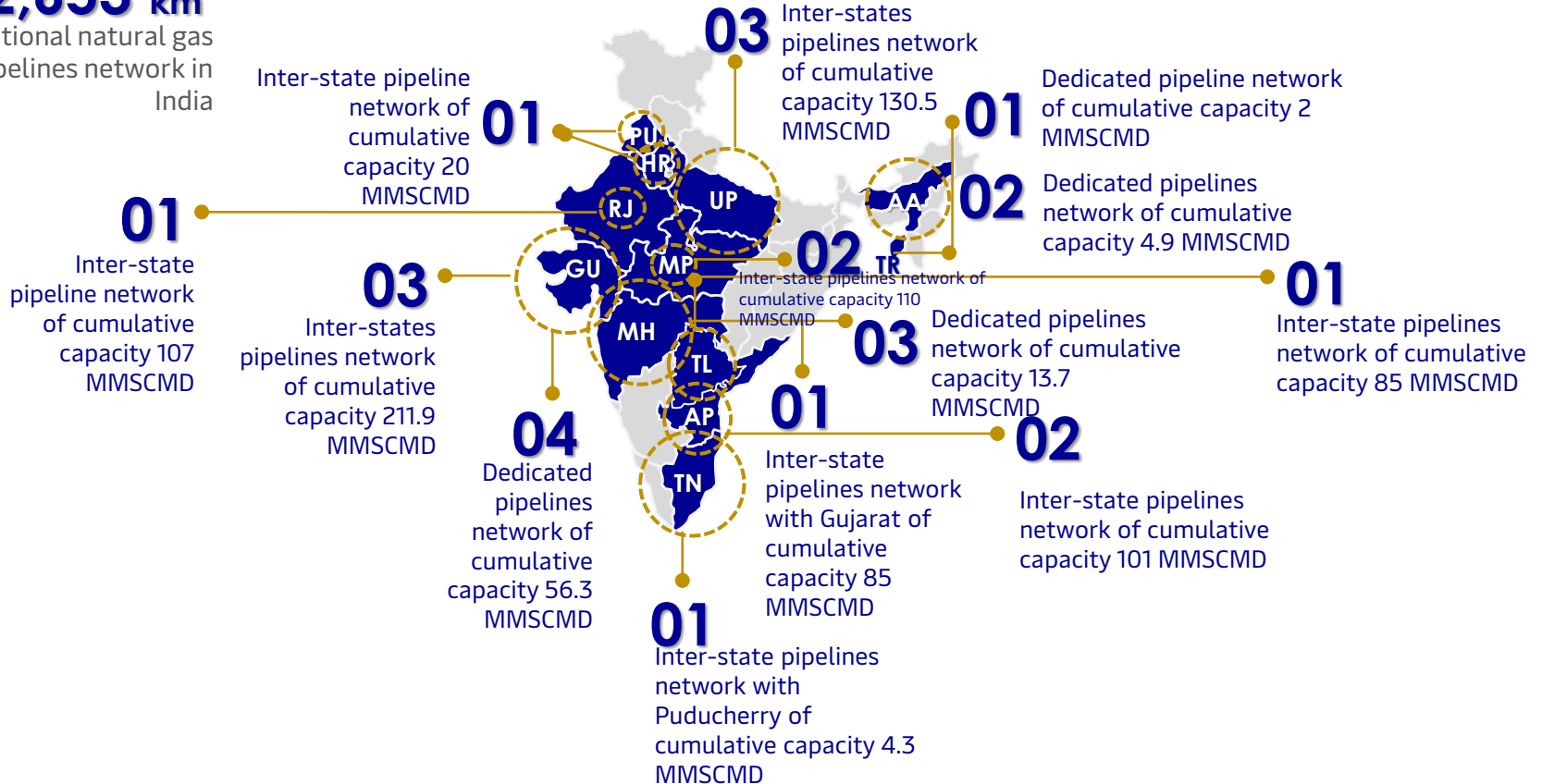
## Development of support infrastructure index (Contd.)



Operational natural gas pipelines in India – Potential infrastructure for hydrogen distribution in India

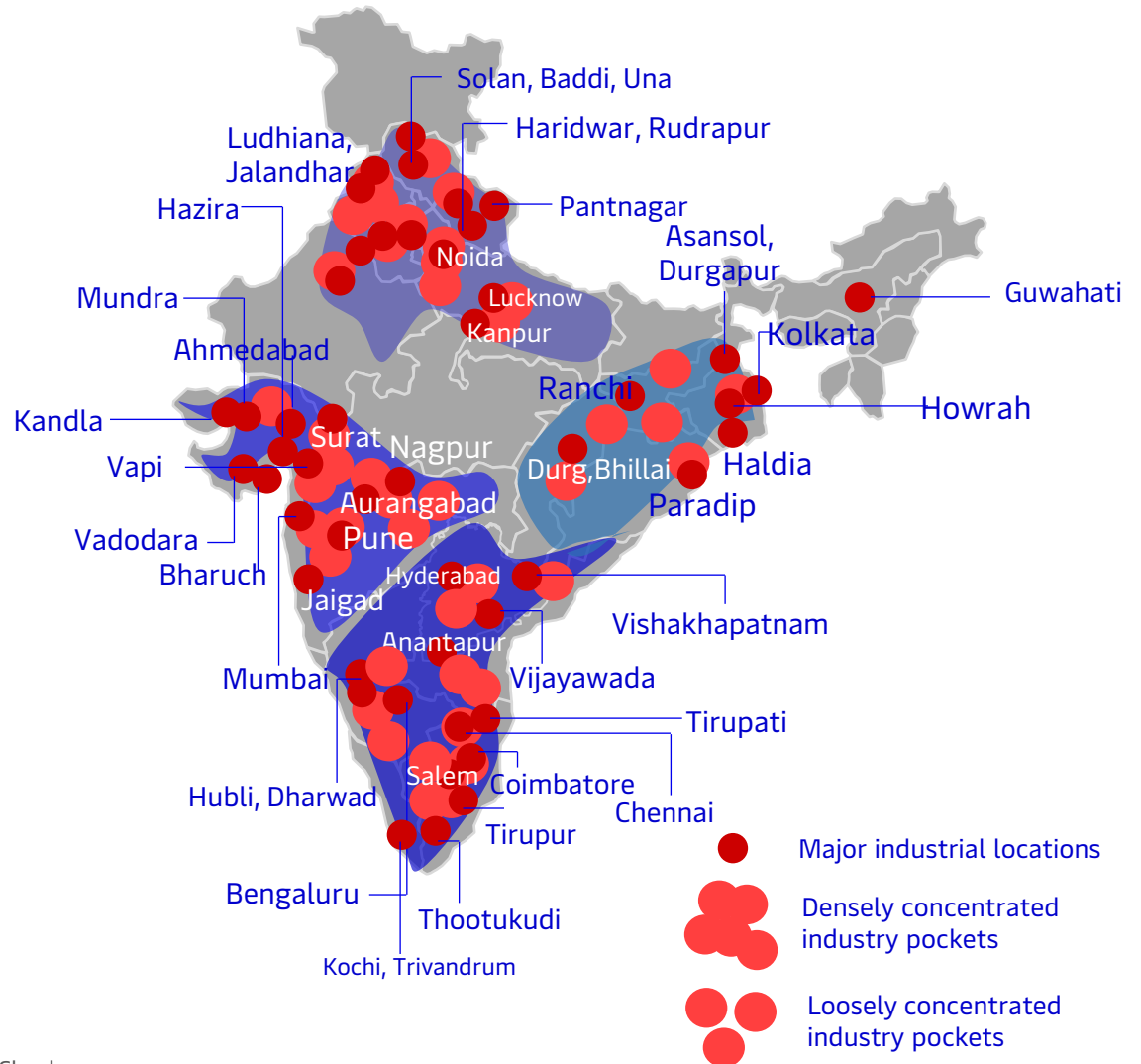
**12,653 km**

Operational natural gas pipelines network in India



# Potential demand of hydrogen by industrial hubs

**~44**  
Industrial zones identified in India



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