



# Vadodara Gas Limited

***WELCOMES all  
TO  
PRESENTATION  
ON  
SAFETY PRACTICES FOR CGD  
ENTITIES***

***GTI NOIDA,  
17.07.2014***



# VADODARA GAS LTD

## THE COMPANY

*A Joint venture company of GAIL Gas Ltd. & Vadodara Mahanagar Seva sadan (VMSS) incorporated on 13.09.2013 with mandate to build, operate, maintain & expand CGD business in and around Vadodara city.*

*Business Transfer Agreement between GAIL, GAIL Gas, VMSS & Vadodara Gas Ltd. was signed on 13.06.2014. The business transfer activities are under progress.*

*The closing date of Business Transfer is 31.08.2014.*

*Subsequent to business transfer, VGL will look after safety and security of the installations and pipeline grids.*



# EXISTING CGD BUSINESS

## CNG

S.N.	Description	
1	Installed Capacity	72360 kg per day
2	Average sales	60,000 kg per day
3	<u>Type of CNG Station</u>	
	a) Mother Station	02
	b) Online Station	01
	c) Daughter Booster Station	06
4	Total sales in 2013-2014	216.00 Lakh Kg
5	Total Revenue	114.20 Crore Rs.

## PNG (VMSS)

S.N.	Description	
1	No. of Domestic Consumers	76000
2	No. of Commercial Consumers	2700
3	Total sale in 2013-2014	36.0 MMSCM



# CURRENT EXPANSION ACTIVITIES - CNG

ACTIVITY	STATUS	TIMELINE FOR COMPLETION
LAYNG OF 6" P/L FOR CONNECTING NIZAMPURA MOTHER STATION	80% WORK COMPLETED	JUNE 2014
LAYNG OF 4" P/L FOR CONNECTING VUDA CIRCLE MOTHER STATION	80% COMPLETED	JUNE 2014
LAYING OF 10" X 35 KMS STEEL GRID	3 KMS P/L LAYING WORK COMPLETED. BALANCE 32 KMS TENDER FLOATED & LIKELY TO BE AWARDED IN 2 <sup>ND</sup> WEEK OF AUGUST 2014	COMMISSIONING IN PHASED MANNER UPTO SEPTEMBER 2015
CONSTRUCTION OF 02 CNG MOTHER STATION AT VUDA CIRCLE & NIZAMPURA. CAPACITY INCREASEED BY 45000 KGS PER DAY	CONSTRUCTION CONTRACT BEING AWARDED	COMMISSIONING BY MARCH 2015
COUNSTRUCTION OF 02 ONLINE STATION & 01 DBS	APPLICATION SUBMITTED FOR CCoE CLEARANCE	COMMISSIONING BY DECEMBER 2014



# CURRENT EXPANSION ACTIVITIES - PNG

ACTIVITY	STATUS	TIMELINE FOR COMPLETION
CONNECTIVITY OF 3500 DOMESTIC CUSTOMERS IN AKOTA, ALKAPURI & OLD PADRA ROAD AREA.	1200 CONNECTION COMPLETED & BALANCE IN PROGRESS	DECEMBER 2014
MDPE LAYING IN VIP ROAD, KARELIBAUG AREA FOR 5000 NEW CONNECTIONS.	TENDER BEING FLOATED	MARCH 2015



# FIRE AND SAFETY EXISTING SETUP

STATION	SAFETY OFFICER	RESPONSIBILITIES GAIL & GAIL GAS
02 MOTHER STATION & 01 DBS	DY. MANAGER (F&S), GAIL (INDIA) LTD.	GAIL (INDIA) LTD.
01 ONLINE STATION & 05 DBS	WITH ROs	GAIL GAS LTD.

## FIREFIGHTING FACILITIES IN CNG STATIONS

S. No.	TYPE OF EQUIPMENT / SYSTEM	UTILITY
1	CO2 FLOODING SYSTEM	PROVIDED IN ALL CNG PACKAGES
2	75 KG AND 10 KG DCP EXTINGUISHERS	FOR ALL TYPES OF FIRE IN COMPRESSOR AND FORECOURT AREA
3	10 KG CO2 CYLINDERS	FOR ELECTRICAL FIRE
4	FIRE TENDERS FROM GAIL & LOCAL AUTHORITIES	FOR ANY MAJOR FIRE



# ***SAFETY PRACTICES IN CNG STATIONS***

- ***It is ensured that optimum security personal are deployed round the clock in the CNG installations to look after the safety of installations. Besides, security persons are regulating the movement of the vehicular traffic inside the station to ensure smooth operation of the CNG filling and to avoid any accident .***
- ***Queuing inside CNG stations is avoided for quick evacuation in emergency situations.***
- ***Before filling CNG in vehicles It is ensured that fitted CNG cylinders have the validity of hydrotest.***
- ***Stickers of company with date of last hydro test have been affixed on the vehicles.***
- ***Safety pamphlets on CNG have been prepared and distributed to customers.***



# ***SAFETY PRACTICES IN CNG STATIONS***

- ***Safety tips are demonstrated regularly to customers.***
- ***Regular checking of CNG pipings, compressors, dispensers and other associated equipments is carried out and it is ensured that leaking points are sealed immediately. With the sustainable efforts on control of leaks , the losses have been brought less than 1.5% .***
- ***F&S Training & Safety Awareness Program conducted every month for contract employees reports are prepared.***
- ***Mock drills conducted on quarterly basis reports are prepared.***
- ***Worthiness check of cylinders carried out as per schedule.***





# ***SAFETY PRACTICES IN CNG STATIONS***

- ***Readiness of Fire Fighting Equipment for use in case of emergency – periodic maintenance and random checking.***
- ***Safety Instructions displayed at CNG Stations.***
- ***Compliance to SOPs & Safety Procedures, Use of PPEs, Work Permit System.***
- ***Hydro testing of CNG Cascade Cylinders.***
- ***Coordination with Local Fire Dept. / Administrative Authority.***
- ***Emergency Action Plan.***
- ***Calibration of instruments.***
- ***Certificate / Renewal from Weights & Measures Department.***



# SHARING EXPERIENCE

S. No.	Incidents ( Near Miss )	Action Taken	Recommendation
1.	LCV cascade filling Hose damaged by LCV driver	Strict action against driver taken upto the extent of replacement and all drives were instructed and warned not to repeat the incident.	Drivers are to be educated to take all care while filling of cascades- A check list for filling is prepared and implemented.
2.	Unruly auto drivers. No queues.	Queues are maintained deploying security persons at vulnerable points.	- Vehicle to be refilled one by one. Proper Traffic Control to be exercised.



*THANK YOU*