



## GUJARAT INDUSTRIAL AND TECHNICAL CONSULTANCY ORGANISATION LIMITED

Promoted by Government of Gujarat Corporations,  
All India Financial Institutions & Banks

Regd. Office : GITCO HOUSE, Opp. Sardar Patel Stadium,  
Navrangpura, Ahmedabad - 380 009. Gujarat, INDIA.

Phone : (079) 26569617, 26564618, 26565333 Fax : (079) 26565279

E-mail : info@gitco.co.in, gitcoltd@eth.net Website : www.gitco.co.in

CIN : U91990GJ1978PLC003258

### AMBIENT AIR QUALITY REPORT

Report No.	GITCO/LAB/18/25/AQ/171		Date: 27-06-2018
Name and Address of Customer	M/s. APM Terminals Pipavav Gujarat Pipavav Port Ltd. Post Bag No. 45, Post Ucchiya Via Rajula, District : Amreli, Gujarat – 365 560		Lab ID: 25/AQ/171
Sample Description	Ambient Air	Cond <sup>n</sup> of Sample	Satisfactory
Sampling Location	At BOD Building	Date of Sampling	13-06-2018
		Date of Sample Receipt	14-06-2018
Sample Collected by	Sandip (GITCO Ltd.)	Analysis Started on	15-06-2018
Duration of Sampling	24 hrs.	Analysis Completed on	15-06-2018
Env. Cond <sup>n</sup> during sampling	Ambient Temperature	Env. Cond <sup>n</sup> during test	25 ± 2°C
Sampling Procedure	As per IS 5182		

### RESULTS

Parameters	Unit	Results	GPCB LIMIT	Method Reference
Particulate Matter (PM <sub>10</sub> )	µg/m <sup>3</sup>	91.0	100	IS 5182, Part-23:2006, RA:2012
Particulate Matter (PM <sub>2.5</sub> )	µg/m <sup>3</sup>	58.63	60	LAB SOP W/OPN/05 Issue No.1 Issue date 01.08.2013 based on CPCB Guide Line-2011.
Oxides of Sulphur (SO <sub>x</sub> )	µg/m <sup>3</sup>	7.3	80	IS 5182, Part-2:2001, RA:2012
Oxides of Nitrogen (NO <sub>x</sub> )	µg/m <sup>3</sup>	8.1	80	IS 5182, Part-6:2006

for **GITCO Ltd.**

#### AUTHORISED SIGNATORY

**Nilesh Gajjar**  
(Head EMS)

Tested By:

-----End of Test Report-----

- Note: 1. The result listed refers only to the tested samples and applicable parameters.  
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## AMBIENT AIR QUALITY REPORT

Report No.	GITCO/LAB/18/25/AQ/172		Date: 27-06-2018
Name and Address of Customer	M/s. APM Terminals Pipavav Gujarat Pipavav Port Ltd. Post Bag No. 45, Post Ucchiya Via Rajula, District : Amreli, Gujarat – 365 560		Lab ID: 25/AQ/172
Sample Description	Ambient Air	Cond <sup>n</sup> of Sample	Satisfactory
Sampling Location	At Marine building	Date of Sampling	13-06-2018
		Date of Sample Receipt	14-06-2018
Sample Collected by	Sandip (GITCO Ltd.)	Analysis Started on	15-06-2018
Duration of Sampling	24 hrs.	Analysis Completed on	15-06-2018
Env. Cond <sup>n</sup> during sampling	Ambient Temperature	Env. Cond <sup>n</sup> during test	25 ± 2°C
Sampling Procedure	As per IS 5182		

## RESULTS

Parameters	Unit	Results	GPCB LIMIT	Method Reference
Particulate Matter (PM <sub>10</sub> )	µg/m <sup>3</sup>	114.2	100	IS 5182, Part-23:2006, RA:2012
Particulate Matter (PM <sub>2.5</sub> )	µg/m <sup>3</sup>	63.2	60	LAB SOP W/OPN/05 Issue No.1 Issue date 01.08.2013 based on CPCB Guide Line-2011.
Oxides of Sulphur (SO <sub>x</sub> )	µg/m <sup>3</sup>	7.8	80	IS 5182, Part-2:2001, RA:2012
Oxides of Nitrogen (NO <sub>x</sub> )	µg/m <sup>3</sup>	8.6	80	IS 5182, Part-6:2006

for **GITCO Ltd.**

  
**AUTHORISED SIGNATORY**  
**Nilesh Gajjar**  
**(Head EMS)**

**Tested By:** 

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### AMBIENT AIR QUALITY REPORT

Report No.	GITCO/LAB/18/25/AQ/173		Date: 27-06-2018
Name and Address of Customer	M/s. APM Terminals Pipavav Gujarat Pipavav Port Ltd. Post Bag No. 45, Post Ucchiya Via Rajula, District : Amreli, Gujarat – 365 560		Lab ID: 25/AQ/173
Sample Description	Ambient Air	Cond <sup>n</sup> of Sample	Satisfactory
Sampling Location	On terrace of Custom office	Date of Sampling	13-06-2018
		Date of Sample Receipt	14-06-2018
Sample Collected by	Sandip (GITCO Ltd.)	Analysis Started on	15-06-2018
Duration of Sampling	24 hrs.	Analysis Completed on	15-06-2018
Env. Cond <sup>n</sup> during sampling	Ambient Temperature	Env. Cond <sup>n</sup> during test	25 ± 2°C
Sampling Procedure	As per IS 5182		

### RESULTS

Parameters	Unit	Results	GPCB LIMIT	Method Reference
Particulate Matter (PM <sub>10</sub> )	µg/m <sup>3</sup>	94.6	100	IS 5182, Part-23:2006, RA:2012
Particulate Matter (PM <sub>2.5</sub> )	µg/m <sup>3</sup>	52.8	60	LAB SOP W/OPN/05 Issue No.1 Issue date 01.08.2013 based on CPCB Guide Line-2011.
Oxides of Sulphur (SO <sub>x</sub> )	µg/m <sup>3</sup>	6.6	80	IS 5182, Part-2:2001, RA:2012
Oxides of Nitrogen (NO <sub>x</sub> )	µg/m <sup>3</sup>	7.8	80	IS 5182, Part-6:2006

for **GITCO Ltd.**

#### AUTHORISED SIGNATORY

**Nilesh Gajjar**  
(Head EMS)

Tested By:

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### FLUE GAS STACK ANALYSIS REPORT

Report No.	GITCO/LAB/18/25/FE/174		Date: 27-06-2018
Name and Address of Customer	M/s. APM Terminals Pipavav Gujarat Pipavav Port Ltd. Post Bag No. 45, Post Ucchiya Via Rajula, District : Amreli, Gujarat – 365 560		Lab ID: 25/FE/174
Sample Description	Flue Gas Stack	Cond <sup>n</sup> of Sample	Satisfactory
Stack / Vent attached to	DG Set – 1	Date of Sampling	14-06-2018
Fuel Used	Diesel	Date of Sample Receipt	14-06-2018
Sample Collected by	Sandip (GITCO Ltd.)	Analysis Started on	15-06-2018
Duration of Sampling	30 mins.	Analysis Completed on	15-06-2008
Env. Cond <sup>n</sup> during sampling	Amb. Temp.	Env. Cond <sup>n</sup> during test	25 ± 2°C
Sampling Procedure	As per IS : 11255		
Stack gas temperature, °C	93	Stack/Vent Height , m	12
Stack gas velocity, m/sec	9.02	Stack/Vent Dia., m	0.3

### RESULTS

Parameters	Unit	Results	GPCB LIMIT	Method Reference
Particulate Matter (PM)	mg/Nm <sup>3</sup>	108.1	150	IS 11255,Part-1 RA:2012
Sulphur Di-oxides (SO <sub>2</sub> )	ppm	8.75	100	IS 11255,Part-2 RA:2009
Oxides of Nitrogen (NOx)	ppm	14.7	50	IS 11255,Part-7 RA:2012

for **GITCO Ltd.**

#### AUTHORISED SIGNATORY

**Nilesh Gajjar**  
(Head EMS)

Tested By:

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### FLUE GAS STACK ANALYSIS REPORT

Report No.	GITCO/LAB/18/25/FE/175		Date: 27-06-2018
Name and Address of Customer	M/s. APM Terminals Pipavav Gujarat Pipavav Port Ltd. Post Bag No. 45, Post Ucchiya Via Rajula, District : Amreli, Gujarat – 365 560		Lab ID: 25/FE/175
Sample Description	Flue Gas Stack	Cond <sup>n</sup> of Sample	Satisfactory
Stack / Vent attached to	DG Set – 2	Date of Sampling	14-06-2018
Fuel Used	Diesel	Date of Sample Receipt	14-06-2018
Sample Collected by	Sandip (GITCO Ltd.)	Analysis Started on	15-06-2018
Duration of Sampling	30 mins.	Analysis Completed on	15-06-2018
Env. Cond <sup>n</sup> during sampling	Amb. Temp.	Env. Cond <sup>n</sup> during test	25 ± 2°C
Sampling Procedure	As per IS : 11255		
Stack gas temperature, °C	97	Stack/Vent Height, m	12
Stack gas velocity, m/sec	9.10	Stack/Vent Dia., m	0.3

### RESULTS

Parameters	Unit	Results	GPCB LIMIT	Method Reference
Particulate Matter (PM)	mg/Nm <sup>3</sup>	98.7	150	IS 11255,Part-1 RA:2012
Sulphur Di-oxides (SO <sub>2</sub> )	ppm	6.6	100	IS 11255,Part-2 RA:2009
Oxides of Nitrogen (NOx)	ppm	16.3	50	IS 11255,Part-7 RA:2012

for **GITCO Ltd.**

**AUTHORISED SIGNATORY**  
**Nilesh Gajjar**  
**(Head EMS)**

Tested By:

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