



GUJARAT INDUSTRIAL AND TECHNICAL CONSULTANCY ORGANISATION LIMITED

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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 ⁿ 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 ⁿ during sampling	Ambient Temperature	Env. Cond ⁿ during test	25 ± 2°C
Sampling Procedure	As per IS 5182		

RESULTS

Parameters	Unit	Results	GPCB LIMIT	Method Reference
Particulate Matter (PM ₁₀)	µg/m ³	91.0	100	IS 5182, Part-23:2006, RA:2012
Particulate Matter (PM _{2.5})	µg/m ³	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 _x)	µg/m ³	7.3	80	IS 5182, Part-2:2001, RA:2012
Oxides of Nitrogen (NO _x)	µg/m ³	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 ⁿ 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 ⁿ during sampling	Ambient Temperature	Env. Cond ⁿ during test	25 ± 2°C
Sampling Procedure	As per IS 5182		

RESULTS

Parameters	Unit	Results	GPCB LIMIT	Method Reference
Particulate Matter (PM ₁₀)	µg/m ³	114.2	100	IS 5182, Part-23:2006, RA:2012
Particulate Matter (PM _{2.5})	µg/m ³	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 _x)	µg/m ³	7.8	80	IS 5182, Part-2:2001, RA:2012
Oxides of Nitrogen (NO _x)	µg/m ³	8.6	80	IS 5182, Part-6:2006

for **GITCO Ltd.**


AUTHORISED SIGNATORY
Nilesh Gajjar
(Head EMS)

Tested By: 

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CIN : U91990GJ1978PLC003258

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 ⁿ 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 ⁿ during sampling	Ambient Temperature	Env. Cond ⁿ during test	25 ± 2°C
Sampling Procedure	As per IS 5182		

RESULTS

Parameters	Unit	Results	GPCB LIMIT	Method Reference
Particulate Matter (PM ₁₀)	µg/m ³	94.6	100	IS 5182, Part-23:2006, RA:2012
Particulate Matter (PM _{2.5})	µg/m ³	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 _x)	µg/m ³	6.6	80	IS 5182, Part-2:2001, RA:2012
Oxides of Nitrogen (NO _x)	µg/m ³	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 ⁿ 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 ⁿ during sampling	Amb. Temp.	Env. Cond ⁿ 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 ³	108.1	150	IS 11255,Part-1 RA:2012
Sulphur Di-oxides (SO ₂)	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 ⁿ 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 ⁿ during sampling	Amb. Temp.	Env. Cond ⁿ 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 ³	98.7	150	IS 11255,Part-1 RA:2012
Sulphur Di-oxides (SO ₂)	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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FLUE GAS STACK ANALYSIS REPORT

Report No.	GITCO/LAB/18/25/FE/176		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/176
Sample Description	Flue Gas Stack	Cond ⁿ of Sample	Satisfactory
Stack / Vent attached to	DG Set – 3	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 ⁿ during sampling	Amb. Temp.	Env. Cond ⁿ during test	25 ± 2°C
Sampling Procedure	As per IS : 11255		
Stack gas temperature, °C	89	Stack/Vent Height , m	12
Stack gas velocity, m/sec	8.30	Stack/Vent Dia., m	0.3

RESULTS

Parameters	Unit	Results	GPCB LIMIT	Method Reference
Particulate Matter (PM)	mg/Nm ³	115.8	150	IS 11255,Part-1 RA:2012
Sulphur Di-oxides (SO ₂)	ppm	10.9	100	IS 11255,Part-2 RA:2009
Oxides of Nitrogen (NOx)	ppm	18.1	50	IS 11255,Part-7 RA:2012

for **GITCO Ltd.**

AUTHORISED SIGNATORY

Nilesh Gajjar
(Head EMS)

Tested By:

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MARINE WATER SAMPLES ANALYSIS REPORT

Report No.	Gitco/Lab/18/25/EW/177		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/EW/177
Sample Description	Marine Water Sample	Sample Qty.	2 L
Sampling Location	GP-1 & 4 Jetty	Cond ⁿ of Sample	Satisfactory
Sample Collected by	Sandip (GITCO Ltd.)	Date of Sampling	13-06-2018
Sample Type	Grab	Date of Sample Receipt	14-06-2018
Env. Cond ⁿ during sampling	Ambient Temp.	Env. Cond ⁿ during test	25±2 °C
Sampling Procedure	IS 3025 Part-1		
Analysis Started on	15-06-2018	Analysis Completed on	26-06-2018

RESULTS

Parameters	Unit	Results	Range of Measurement	Method Reference
pH @ 25 °C	--	7.42	2.0 to 12.0	IS 3025, Part-11: 1983 R.A.2006
BOD @ 3 Days 27°C	mg/L	24	2-10000	IS 3025, Part-44:1993 R.A.2009
Oil & Grease	mg/L	<1.0	1.0-100	IS 3025, Part – 39: 1991 R.A.2003
DO	mg/L	4.7	0.1-10	IS 3025, Part-38 : 1989 R.A.2003
Fecial Coliform	MPN/100 ml	08	--	--

for **GITCO Ltd.**

AUTHORISED SIGNATORY

Nilesh Gajjar
(Head EMS)

Tested By:

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MARINE WATER SAMPLES ANALYSIS REPORT

Report No.	Gitco/Lab/18/25/EW/178		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/EW/178
Sample Description	Marine Water Sample	Sample Qty.	2 L
Sampling Location	LPG Jetty	Cond ⁿ of Sample	Satisfactory
Sample Collected by	Sandip (GITCO Ltd.)	Date of Sampling	13-06-2018
Sample Type	Grab	Date of Sample Receipt	14-06-2018
Env. Cond ⁿ during sampling	Ambient Temp.	Env. Cond ⁿ during test	25±2 °C
Sampling Procedure	IS 3025 Part-1		
Analysis Started on	15-06-2018	Analysis Completed on	26-06-2018

RESULTS

Parameters	Unit	Results	Range of Measurement	Method Reference
pH @ 25 °C	--	7.57	2.0 to 12.0	IS 3025, Part-11: 1983 R.A.2006
BOD @ 3 Days 27°C	mg/L	18	2-10000	IS 3025, Part-44:1993 R.A.2009
Oil & Grease	mg/L	<1.0	1.0-100	IS 3025, Part – 39: 1991 R.A.2003
DO	mg/L	4.5	0.1-10	IS 3025, Part-38 : 1989 R.A.2003
Fecial Coliform	MPN/100 ml	09	--	--

for **GITCO Ltd.**

AUTHORISED SIGNATORY

Nilesh Gajjar
(Head EMS)

Tested By:

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WATER SAMPLES ANALYSIS REPORT

Report No.	Gitco/Lab/18/25/RW/179		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/RW/179
Sample Description	Raw water	Sample Qty.	2 L
Sampling Location	Raw water from narmada resiervior Sample	Cond ⁿ of Sample	Satisfactory
Sample Collected by	Sandip (GITCO Ltd.)	Date of Sampling	13-06-2018
Sample Type	Grab	Date of Sample Receipt	14-06-2018
Env. Cond ⁿ during sampling	Ambient Temp.	Env. Cond ⁿ during test	25±2 °C
Sampling Procedure	IS 3025 Part-1		
Analysis Started on	15-06-2018	Analysis Completed on	26-06-2018

RESULTS

Parameters	Unit	Results	Range of Measurement	Method Reference
pH @ 25 °C	-	7.81	2.0 to 12.0	IS 3025, Part-11 RA:2006
Turbidity	NTU	<5	--	APHA 22 nd Edt. 2130 B
Color	Pt.Co.	<5	5-500	APHA 22 nd Edt ⁿ . 2120 C
Total Dissolved Solids (TDS)	mg/L	158	5- 50000	APHA 22 nd Edt ⁿ . 2540 C
Total Hardness	mg/L	46	2-5000	APHA 22 nd Edt ⁿ . 2340 C
Phenolic Compounds as C ₆ H ₅ OH	mg/L	<0.1	0.1-100.00	APHA 22 nd Edt ⁿ . 5530 D
Alkalinity	mg/L	110	2-5000	APHA 22 nd Edt ⁿ . 2320 B
Ammonical Nitrogen as NH ₃ -N	mg/L	<0.2	0.2- 280.0	APHA 22 nd Edt ⁿ . 4500 NH ₃ C
Nitrate	mg/L	<0.1	0.1 - 5.00	APHA 22 nd Edt ⁿ 4500 NO ₃ ⁻ A
Chloride as Cl ⁻	mg/L	85	0.5-50000	APHA 22 nd Edt ⁿ . 4500 Cl ⁻ B
Total residual chlorine	mg/L	<0.01	0.01 – 50.0	APHA 22 nd Edt. 4500 Cl ⁻ G
Total Chromium	mg/L	<0.01	0.01-30	APHA 22 nd Edt.3500 Cr
Iron	mg/L	<0.01	0.01-50.00	APHA 22 nd Edt ⁿ . 3500 Fe B
Zinc	mg/L	<0.02	0.02 - 100	APHA 22 nd Edt. 3500 Zn B
Copper as Cu	mg/L	<0.01	0.01-15.00	APHA 22 nd Edt ⁿ . 3500 Cu B
MPN Count /100ml	MPN	6	--	IS:1622-1981 RA 2003

for **GITCO Ltd.**

AUTHORISED SIGNATORY

Nilesh Gajjar
(Head EMS)

Tested By:

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WATER SAMPLES ANALYSIS REPORT

Report No.	GITCO/LAB/18/25/RW/180		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/RW/180
Sample Description	Raw water	Sample Qty.	2 L
Sampling Location	Treated water from new elevated storage tank	Cond ⁿ of Sample	Satisfactory
Sample Collected by	Sandip (GITCO Ltd.)	Date of Sampling	13-06-2018
Sample Type	Grab	Date of Sample Receipt	14-06-2018
Env. Cond ⁿ during sampling	Ambient Temp.	Env. Cond ⁿ during test	25±2 °C
Sampling Procedure	IS 3025 Part-1		
Analysis Started on	15-06-2018	Analysis Completed on	26-06-2018

RESULTS

Parameters	Unit	Results	Range of Measurement	Method Reference
pH @ 25 °C	-	7.63	2.0 to 12.0	IS 3025, Part-11 RA:2006
Turbidity	NTU	<5	--	APHA 22 nd Edt ⁿ . 2130 B
Color	Pt.Co.	<5	5-500	APHA 22 nd Edt ⁿ . 2120 C
Total Dissolved Solids (TDS)	mg/L	154	5- 50000	APHA 22 nd Edt ⁿ . 2540 C
Total Hardness	mg/L	42	2-5000	APHA 22 nd Edt ⁿ . 2340 C
Phenolic Compounds as C ₆ H ₅ OH	mg/L	<0.1	0.1-100.00	APHA 22 nd Edt ⁿ . 5530 D
Alkalinity	mg/L	95	2-5000	APHA 22 nd Edt ⁿ . 2320 B
Ammonical Nitrogen as NH ₃ -N	mg/L	<0.2	0.2- 280.0	APHA 22 nd Edt ⁿ . 4500 NH ₃ C
Nitrate	mg/L	<0.1	0.1 - 5.00	APHA 22 nd Edt ⁿ 4500 NO ₃ ⁻ A
Chloride as Cl ⁻	mg/L	65	0.5-50000	APHA 22 nd Edt ⁿ . 4500 Cl ⁻ B
Total residual chlorine	mg/L	<0.01	0.01 – 50.0	APHA 22 nd Edt. 4500 Cl ⁻ G
Total Chromium	mg/L	<0.01	0.01-30	APHA 22 nd Edt.3500 Cr
Iron	mg/L	<0.01	0.01-50.00	APHA 22 nd Edt ⁿ . 3500 Fe B
Zinc	mg/L	<0.02	0.02 - 100	APHA 22 nd Edt. 3500 Zn B
Copper as Cu	mg/L	<0.01	0.01-15.00	APHA 22 nd Edt ⁿ . 3500 Cu B
MPN Count /100ml	MPN	Absent	--	IS:1622-1981 RA 2003

for **GITCO Ltd.**

AUTHORISED SIGNATORY

Nilesh Gajjar
Nilesh Gajjar
(Head EMS)

Tested By: *[Signature]*

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

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SEWAGE TREATMENT PLANT (NEW) WASTEWATER ANALYSIS REPORT

Report No.	Gitco/Lab/18/25/EW/181		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/EW/181
Sample Description	Wastewater Sample	Sample Qty.	2 L
Sampling Location	New STP Inlet	Cond ⁿ of Sample	Satisfactory
Sample Collected by	Sandip (GITCO Ltd.)	Date of Sampling	13-06-2018
Sample Type	Grab	Date of Sample Receipt	14-06-2018
Env. Cond ⁿ during sampling	Ambient Temp.	Env. Cond ⁿ during test	25±2 °C
Sampling Procedure	IS 3025 Part-1		
Analysis Started on	15-06-2018	Analysis Completed on	26-06-2018

RESULTS

Parameters	Unit	Results	Range of Measurement	Method Reference
Suspended Solids (SS)	mg/L	108	05 -10000	APHA 22 nd Edt ⁿ . 2540 D
BOD @ 3 Days 27°C	mg/L	84	2-10000	IS 3025, Part-44:1993 R.A.2009
Residual Chlorine	mg/L	--	0.1 – 2.0	APHA 22 nd Edt ⁿ . 4500-CI H

for **GITCO Ltd.**

AUTHORISED SIGNATORY
Nilesh Gajjar
(Head EMS)

Tested By:

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

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CIN : U91990GJ1978PLC003258

SEWAGE TREATMENT PLANT (NEW) WASTEWATER ANALYSIS REPORT

Report No.	Gitco/Lab/18/25/EW/182		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/EW/182
Sample Description	Wastewater Sample	Sample Qty.	2 L
Sampling Location	New STP Outlet	Cond ⁿ of Sample	Satisfactory
Sample Collected by	Sandip (GITCO Ltd.)	Date of Sampling	13-06-2018
Sample Type	Grab	Date of Sample Receipt	14-06-2018
Env. Cond ⁿ during sampling	Ambient Temp.	Env. Cond ⁿ during test	25±2 °C
Sampling Procedure	IS 3025 Part-1		
Analysis Started on	15-06-2018	Analysis Completed on	26-06-2018

RESULTS

Parameters	Unit	Results	Range of Measurement	Method Reference
Suspended Solids (SS)	mg/L	12	05 -10000	APHA 22 nd Edt ⁿ . 2540 D
BOD @ 3 Days 27°C	mg/L	18	2-10000	IS 3025, Part-44:1993 R.A.2009
Residual Chlorine	mg/L	0.6	0.1 – 2.0	APHA 22 nd Edt ⁿ . 4500-CI H

for **GITCO Ltd.**

AUTHORISED SIGNATORY

Nilesh Gajjar
(Head EMS)

Tested By:

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SEWAGE TREATMENT PLANT (25KL) WASTEWATER ANALYSIS REPORT

Report No.	Gitco/Lab/18/25/EW/183		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/EW/183
Sample Description	Wastewater Sample	Sample Qty.	2 L
Sampling Location	25KL STP Inlet	Cond ⁿ of Sample	Satisfactory
Sample Collected by	Sandip (GITCO Ltd.)	Date of Sampling	13-06-2018
Sample Type	Grab	Date of Sample Receipt	14-06-2018
Env. Cond ⁿ during sampling	Ambient Temp.	Env. Cond ⁿ during test	25±2 °C
Sampling Procedure	IS 3025 Part-1		
Analysis Started on	15-06-2018	Analysis Completed on	26-06-2018

RESULTS

Parameters	Unit	Results	Range of Measurement	Method Reference
Suspended Solids (SS)	mg/L	72	05 -10000	APHA 22 nd Edt ⁿ . 2540 D
BOD @ 3 Days 27°C	mg/L	90	2-10000	IS 3025, Part-44:1993 R.A.2009
Residual Chlorine	mg/L	--	0.1 – 2.0	APHA 22 nd Edt ⁿ . 4500-CI H

for **GITCO Ltd.**

AUTHORISED SIGNATORY
Nilesh Gajjar
(Head EMS)

Tested By:

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SEWAGE TREATMENT PLANT (25KL) WASTEWATER ANALYSIS REPORT

Report No.	Gitco/Lab/18/25/EW/184		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/EW/184
Sample Description	Wastewater Sample	Sample Qty.	2 L
Sampling Location	25KL STP Outlet	Cond ⁿ of Sample	Satisfactory
Sample Collected by	Sandip (GITCO Ltd.)	Date of Sampling	13-06-2018
Sample Type	Grab	Date of Sample Receipt	14-06-2018
Env. Cond ⁿ during sampling	Ambient Temp.	Env. Cond ⁿ during test	25±2 °C
Sampling Procedure	IS 3025 Part-1		
Analysis Started on	15-06-2018	Analysis Completed on	26-06-2018

RESULTS

Parameters	Unit	Results	Range of Measurement	Method Reference
Suspended Solids (SS)	mg/L	08	05 -10000	APHA 22 nd Edt ⁿ . 2540 D
BOD @ 3 Days 27°C	mg/L	20	2-10000	IS 3025, Part-44:1993 R.A.2009
Residual Chlorine	mg/L	BDL	0.1 – 2.0	APHA 22 nd Edt ⁿ . 4500-CI H

for **GITCO Ltd.**

AUTHORISED SIGNATORY
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(Head EMS)

Tested By:

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DOMESTIC SOLID WASTE SAMPLE ANALYSIS REPORT

Report No.	GITCO/LAB/18/25/SW/185		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/SW/185
Sample Description	Domestic Solid waste	Sample Qty.	1.0 Kg
Sampling Location	At Colony	Cond ⁿ of Sample	Satisfactory
Sample Collected by	Sandip (GITCO Ltd.)	Date of Sampling	13-06-2018
Sample Type	Grab	Date of Sample Receipt	14-06-2018
Env. Cond ⁿ during sampling	Ambient Temp.	Env. Cond ⁿ during test	25±2 °C
Sampling Procedure	--		
Analysis Started on	15-06-2018	Analysis Completed on	26-06-2018

Parameters	Unit	Results
pH (10% Solution)	--	7.52
Moisture	%	8.4
Organic Carbon	%	13.4
Total Nitrogen	%	0.57
GCV	kcal./kg	947
Bulk Density	g/ml	0.1927

Note: The Samples were analysed as per the APHA 21st Edition & IS methods.

for **GITCO Ltd.**

AUTHORISED SIGNATORY

Nilesh Gajjar
(Head EMS)

Tested By:

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NOISE LEVEL REPORT

Report No.	GITCO\LAB\18\25\NL		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/NL
Sample Description	Noise level	Date of monitoring	13-06-2018
Sample Collected by	Sandip (GITCO Ltd.)		

RESULTS

Sr. No.	Sampling Location	Noise Level in (dB/A)			
		Day Time		Night Time	
		Min.	Max	Min.	Max
1	At Jetty, Berth No 1	54.2	61.0	52.0	59.7
2	At LPG-Berth	64.7	68.9	54.7	59.4
3	At RTG Yard	63.2	67.1	61.4	64.7
4	At Jetty, Berth No 3	55.6	59.2	54.2	58.5
5	At Marine Building	60.2	66.7	59.3	64.7
6	At Coal Yard	54.5	59.2	52.3	56.0
7	Nr. Captive Power Plant (DG Set In Operation)	74.7	77.9	--	--
8	Nr. Captive Power Plant (DG Set In Shutdown)	53.9	59.7	52.9	57.0
9	At BOD Office	50.6	55.6	48.3	52.7
10	At Custom Gate	54.3	58.3	52.0	57.1
11	At Gate-2	57.3	62.1	55.8	60.4
12	At Main Gate-1	56.6	61.3	54.3	59.0
13	At Fire Station	50.2	55.7	49.7	54.9
14	At Railway Sides	59.3	65.0	58.1	64.8
15	At Port Colony	47.6	53.4	46.4	51.6

Remarks: Reading are taken at the height of 91.4 cm from ground

for **GITCO Ltd.**

AUTHORISED SIGNATORY

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Tested By:

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