



ENVIRON TECH LABORATORIES (NABL ACCREDITED LAB.)

Certificate No. T-1947

Department of Science & Technology, India

S.C.F. 40, Industrial Area, Sector -73 (Phase-7), S.A.S. Nagar (Mohali), Punjab
Tele/Fax : 0172-4630081, Mob. 94172-10081, Email : environtechlab72@yahoo.com

Dated : 19/05/2015

ANALYSIS REPORT

To
M/s PACL LIMITED.
PEARLS CITY, BATHINDA
DISTT. BATHINDA(PB)

Report Date : 19.05.2015 Report No. : ETL/26/2015-16/101
Your Ref. No : PACL/MHL-2122 Type of Sample : D.G.Set-1 Stack Emission Monitoring
Sample I.D. : ETL/05/2015-16/119 Date of Sampling : 15.05.2015
Date of test : 16.05.2015 to 19.05.2015 Date of Sample : 16.05.2015
Receipt

TECHNICAL DATA	
Project Name	PEARL CITY BATHINDA
Instrument Used for Sampling	Stack Monitoring Instrument
Source of Emission	D.G.Set (25 KVA) No. Stack Attached to D.G.Set
Fuel Used	H.S.D
Type of Stack	Round of M.S
Velocity of Flue Gases	12.1 m/s
Sampling Time	30 Min
Ambient Air Temp	32°C
Stack Temperature	168°C
Stack Height	1.5 m from G.L
Diameter of Stack	4"

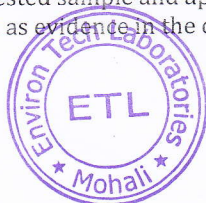
SR. NO.	PARAMETERS	RESULTS	STANDARD	TEST METHOD
1	PM	52.1 mg/Nm ³	75.0 mg/Nm ³	IS:11255(Part-1):1985
2	SO ₂	ND	80.0 mg/Nm ³	IS:11255(Part-2):1985
3	NO _x	13.5 mg/Nm ³	80.0 mg/Nm ³	IS:11255(Part-7):2005
4	CO	20.4 mg/Nm ³	150 mg/Nm ³	CPCB Guidelines-2010
5	CO ₂	4.2 %	---	CPCB Guidelines-2010
6	Hydrocarbon	ND	100 mg/Nm ³	CPCB Guidelines-2010

Note: All Parameters are within limit as prescribed by the CPCB Guidelines -2010.

ND: Not Detectable

Note:

- The test report refers only to tested sample and applicable parameters.
- This report can neither be used as evidence in the court of law nor can it be used in part or full in any media without prior permission.



Rameshwar Kumar
(AUTHORIZED SIGNATORY)
RAMESHWAR KUMAR
Technical Manager
Environ Tech Laboratories



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TEST REPORT

To

M/s PACL LIMITED.
PEARLS CITY, BATHINDA
DISTT. BATHINDA(PB)

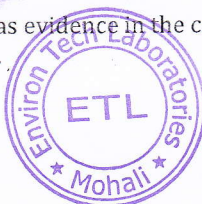
Report Date	: 19.05.2015	Report No.	: ETL/26/2015-16/99
Your Ref. No	: PACL/MHL-2122	Type of Sample	: Ambient Air Sample
Sample I.D.	: ETL/05/2015-16/117	Date of Sampling	: 15.05.2015 to 16.05.2015
		Date of Sample Receipt	: 16.05.2015
		Date of test	: 16.05.2015 to 19.05.2015

TECHNICAL DATA		
1	Project Name	Pearl City Bathinda
2	Location of Sampling Station	NEAR OFFICE AREA
3	Instrument Used for Sampling	Respirable Dust Sampler-II
4	Source of Sampling	Ambient Air
5	Temperature of Sampling Location	30°C
6	Environmental Condition	Max temp. 32°C Min temp. 22°C Clear sky and wind direction west to east
7	Flow Rate of Sampling	1.0 LPM
8	Time Period for Sampling	1440 Minutes
9	Volume of Air Sampled	1.44 m ³

RESULTS				
S.NO	PARAMETER (µg/m ³)	RESULT	STANDARD (µg/m ³)	TEST METHOD
1.	PM ₁₀	51.1	100.0	IS:5182(Pt-23):2006
2.	PM _{2.5}	16.4	60.0	Gravimetric method and CPCB Guidelines
3.	SO ₂	4.8	80.0	IS:5182(Pt-2):2001
4.	NO ₂	13	80.0	IS:5182(Pt-6):2006
5.	CO mg/m ³	ND	2.0 mg/m ³	CPCB Guidelines-2010

Note: All Parameters are within limit as prescribed by the CPCB Guidelines -2010.

1. Sample consumed in testing.
2. This report can neither be used as evidence in the court of law nor can it be used in part or full in any media without prior permission.



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ETL

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Dated : 20/05/2015

TEST REPORT

To
M/s PACL LIMITED.
PEARLS CITY, BATHINDA
DISTT. BATHINDA(PB)

Report Date : 19.05.2015 Report No. : ETL/26/2015-16/102
Your Ref. No : PACL/MHL-2122 Type of Sample : Ambient Noise Level Monitoring
Sample I.D. : ETL/05/2015-16/120 Date of Monitoring : 15.05.2015

TECHNICAL DATA					
Project Name			PEARL CITY, BATHINDA		
Location of Monitoring Station			NEAR OFFICE AREA		
Instrument Used for Monitoring			Noise Level Meter		
SR. NO.	LOCATION/AREA	RESULTS dB(A) LEQ		LIMITS IN dB(A) LEQ.	TEST METHOD
1	NEAR OFFICE AREA	Day Time	52 dB (A)	55 dB (A)	IS:9989-1981 Reaff:2001
		Night Time	42 dB (A)	45 dB (A)	

Note: All Parameters are within limit as prescribed by the CPCB Guidelines -2010.

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TEST REPORT

Dated : 19/05/2015

To
M/s PACL LIMITED.
PEARLS CITY, BATHINDA
DISTT. BATHINDA(PB)

Report Date : 19.05.2015 Report No. : ETL/26/2015-16/103
Your Ref. No. : PACL/MHL-2122 Type of Sample : SOIL SAMPLE
Date of sample Collection : 15.05.2015 Location : NERA OFFICE AREA
Date of Receipt of Sample : 16.05.2015 Quantity : 2 KG
Sample I.D. : ETL/05/2015-16/121
Date of Analysis/Test : 16.05.2015 to 19.05.2015
Project Name: Pearl City
Bathinda

SR. NO.	PARAMETERS	UNITS OF MEASUREMENT	RESULT	TEST METHODS
1	pH	--	7.45	IS:2720(Pt.26)2007
2	Conductivity (EC)	micro mhos/cm at 25°C (Soil Water Ratio- 1:2)	488	IS:14767:2000
3	Moisture Content	%	3.51	USDA:1954/Reaff.2010 Page 107
4	Bulk Density	gm/cm ³	1.33	USDA:1954/Reaff.2010 Page 121
5	Water Holding Capacity(WHC)	%	72	USDA:1954/Reaff.2010 Page 39
6	Texture	--	Sandy Loam	USDA:1954/Reaff.2010 Page 30
	Sand	%	64	USDA:1954/Reaff.2010 Page 30
	Silt	%	17	USDA:1954/Reaff.2010 Page 30
	Clay	%	19	USDA:1954/Reaff.2010 Page 30
7	Organic Matter	%	0.12	IS:2720(Pt.22)1972/ Reaff.2005
8	Phosphorus	Kg/ha	0.54	USDA:1954/Reaff.2010 Page 134
9	Iron as Fe	mg/Kg	15.1	DTPA - AAS Method
10	Boron	mg/kg	3.8	USDA:1954/Reaff.2010 Page 134
11	Sodium Adsorption Ratio	--	1.22	USDA:1954/Reaff.2010 Page 72 By Calculations
12	Lead as Pb	mg/kg	3.1	DTPA - AAS Method
13	Zinc as Zn	mg/kg	1.89	DTPA - AAS Method
14	Sodium as Na	mg/kg	61	USDA:1954/Reaff.2010 Page 131
15	Cation Exchange Capacity	%	0.052	USDA:1954/Reaff.2010 Page 101 IS: 2720(Pt. 24) 1976/Reaff.2005

Note:

1. The test report refers only to tested sample and applicable parameters.
2. This report can neither be used as evidence in the court of law nor can it be used in part or full in any media without prior permission.
3. The sample will be destroyed after fifteen days from the date of issue of test report unless otherwise specified.



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