

CIN: U74140PB2011PTC034739

TEST REPORT





	C747721000002848F /ater (Ground Water)	Test Report No. :	EL200521NW014
rany vo		Date of Reporting:	22/05/2021
Customer	Thapar Institute of Engineering & Technology Bhadson Road, Distt Patiala, (Punjab)	Work Order No. & Date	WO NO. WO/TIET/CS/PR/20250 Dt.: 17/11/2020
		Customer reference No. (If any)	NA
Sampling Protocol	IS:3025 (P-1) 1987 RA 2019	Mode of Collection of Sample	Sampling by laboratory
Date of Sampling	20/05/2021	Date of Receipt of Sample	20/05/2021
Sampling Location	From Tubewell No.1	Testing Location	Permanent Facility
Testing Protocol	IS 10500 : 2012 (Second Revision)	Period of Analysis	20/05/2021 To 22/05/2021
Sample Description	Clear, colourless liquid.	i street of Attacysts	20/03/2021 10 22/03/2021
Packing, Markings, S	eal & Qty. 2 litre Plastic & 250ml Glass Bottle Mar	ked 'R/20/02'	

RESULTS

I -Chemical Testing

1. Water (Ground Water)

S.No.	Test Parameter	Unit	Result	Acceptable limit	Permissible limit in absence of alternate source	Test Method
1	Colour	Colour Units	BDL(DL5)	5	15	IS:3025(P-4):1983 RA2017
2	Odour	H	Agreeable	Agreeable		IS: 3025 (P-5): 1983 RA 2018
3	pН	-	7.11	6.5-8.5		IS:3025(P-11): 1984RA2017
4	Turbidity	NTU	BDL(DL0.1)	1		IS:3025(P-10):1984 RA2017
5	Chloride	mg/l	85	250		IS:3025(P-32):1988 RA2019
6	Iron	mg/l	0.11	1.0		
7	Total hardness	mg/l	245	200		IS:3025(P-53):2003 RA 2019 IS:3025(P-21) :2009 RA2019

II -Biological Testing

1. Water (Ground Water)

S.No.	Test Parameter	Unit	Result	Acceptable limit	Permissible limit in absence of alternate source	Test Method
1	Total coliforms	CFU/100ml	Absent	Absent	-	IS:15185 :2016

Simranjit Kaur **Authorized Signatory-Biological**

Mohali (Pb Dr Rai Singh **Authorized Signatory-Chemical**

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ECO BHAWAN E-207, Industrial Area, Phase VIII-B (Sector-74), Mohali (Punjab) 160071





ULR No. :

TC747721000002848F

Test Report No.:

EL200521NW014

Type of Sample: Water (Ground Water)

Date of Reporting: 22/05/2021

Remarks:

NA

OTHER INFORMATION

Abbreviation:

ULR: Unique Lab Report, BDL: Below Detection Level, NA: Not Applicable

Terms & Conditions:

Please refer terms and conditions on backside of Test Report (Page-1)

End of Report

Checked by OA

Simranjit Kaur Authorized Signatory-Biological Dr Rai Singh Authorized Signatory-Chemical

1st Floor, Phase VIII-B. (Sec 74) Mohali (Pb)

Format No. F/7.8.2-W-01-18.06.20 Rev 05



CIN: U74140PB2011PTC034739

TEST REPORT



ULR No. : NA	A	Test Report No.:	EL200521NW014/A
Type of Sample: W	ater (Ground Water)	Date of Reporting:	22/05/2021
Customer Thapar Institute of Engineering & Technology Bhadson Road, Distt Patiala, (Punjab)		Work Order No. & Date	WO NO. WO/TIET/CS/PR/20250 Dt.: 17/11/2020
		Customer reference No. (If any)	NA
Sampling Protocol	IS:3025 (P-1) 1987 RA 2019	Mode of Collection of Sample	Sampling by laboratory
Date of Sampling	20/05/2021	Date of Receipt of Sample	20/05/2021
Sampling Location	From Tubewell No.1	Testing Location	Permanent Facility
Testing Protocol	IS 10500 : 2012 (Second Revision)	Period of Analysis	20/05/2021 To 22/05/2021
Sample Description Clear, colourless liquid.			
Packing, Markings, S	eal & Qty. 2 litre Plastic & 250ml Glass Bottle Market	d 'R/20/02'	

RESULTS

II -Biological Testing

1. Water (Ground Water)

S.No.	Test Parameter	Unit	Result	Acceptable limit	Permissible limit in absence of alternate source	Test Method
1	Escherichia coli	CFU/100ml	Absent	Absent	-	IS:15185:2016

Remarks:

This test report is the part of the Test Report No.EL200521NW014

OTHER INFORMATION

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End of Report



Simranjit Kaur Authorized Signatory-Biological

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1st Floor, Phase VIII-B. (Sec 74)



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TEST REPORT





			TALOGRAPH IN MICHIES
ULR No. : TO	747721000002849F	Test Report No.:	EL200521NS002
Type of Sample: So	il	Date of Reporting:	22/05/2021
Customer	Thapar Institute of Engineering & Technology Bhadson Road, Distt Patiala, (Punjab)	Work Order No. & Date	WO NO. WO/TIET/CS/PR/20250 Dt.: 17/11/2020
	, I - 2	Customer reference No. (If any)	NA
Sampling Protocol	USEPA/600/R-92/128	Mode of Collection of Sample	Sampling by laboratory
Date of Sampling	20/05/2021	Date of Receipt of Sample	20/05/2021
Sampling Location	Near K-Hostel Park	Testing Location	Permanent Facility
Testing Protocol	IS Method	Period of Analysis	20/05/2021 To 22/05/2021
Sample Description	Brown colored soil.		
Packing, Markings, S	Seal & Qty. 5 Kg Poly Bag Marked 'R/20/01'		

RESULTS

I. Chemical Testing

1. Pollution & Environment (Soil)

S.No.	Test Parameter	Unit	Result	Test Method
1	pH		7.88	IS: 2720 (P-26) 1987 RA2016
2	Conductivity	mmhos/cm	0.243	IS:14767: 2000 RA2016
3	Moisture Content	%	9.3	IS: 2720 (P-II) 1973 R 2015
4	Organic Matter	%	1.17	IS: 2720 (Part XXII) 1972 R2015
5	Texture		Sandy Loam	IS: 2720(P- 4) 1985 RA 2015
6	Bulk Density	gm/cc	1.51	IS: 2720(P - VII):1980 RA 2016

Remarks:

NA

OTHER INFORMATION

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End of Report

Dr Rai Singh

Authorized Signatory-Chemical

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1st Floor, Phase VIII-B. (Sec 74) Mohali (Pb)



CIN: U74140PB2011PTC034739

TEST REPORT





ULR No. : T	C747721000002871F	Test Report No. :	EL210521NA002	
Type of Sample: A	mbient Air Quality	Date of Reporting: 22/05/2021		
Customer	Thapar Institute of Engineering & Technology Bhadson Road, Distt Patiala, (Punjab)	Work Order No. & Date	WO NO. WO/TIET/CS/PR/20250 Dt.: 17/11/2020	
**		Customer reference No. (If any)	NA	
Sampling Protocol	IS:5182 and CPCB Air Manual Volume-I (NAAQMS/36/2012-13) / CPCBNAAQS-2009	Mode of Collection of Sample	Sampling by laboratory	
Date of Sampling	20/05/2021	Date of Receipt of Sample	21/05/2021	
Sampling Location	Near Project & Estate Department	Period of Analysis	21/05/2021 To 22/05/2021	
Testing Protocol	IS:5182 and CPCB Air Manual Volume-I (NAAQMS/36/2012-13) / CPCBNAAQS-2009	Environmental Conditions	Partially cloudy weather*	
Testing Location	Site Testing & Permanent Facility			

RESULTS

I-Chemical Testing

1. Atmospheric Pollution (Ambient Air)

S.No.	Test Parameter	Unit	Result	Standard	Method
1	Particulate Matter (as PM10)	μg/m³	77	100	IS: 5182 (Part-23) : 2006, RA 2017
2	Particulate Matter (as PM2.5)	μg/m³	38	60	Lab SOP: EL/SOP/AAQ/01
3	Sulphur Dioxide (as SO2)	μg/m³	10	80	IS: 5182 (Part-2): 2001, RA 2017
4	Nitrogen Dioxide (as NO2)	μg/m³	21	80	IS: 5182 (Part-6): 2006, RA 2017
5	Ammonia (as NH3)	μg/m³	19	400	Lab SOP: EL/SOP/AAQ/02
6	Ozone (as O3)	μg/m³	25	180	IS: 5182 (Part-9): 1974, RA 2019
7	Carbon Monoxide (as CO)	mg/m³	0.57	04	IS: 5182 (Part-10) :1999, RA 2019

Remarks:

*Drizzling for approx 2-3 hours.

OTHER INFORMATION

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End of Report

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VIII-B. (Sec 74)

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E-207, Industrial Area, Phase VIII-B (Sector-74), Mohali (Punjab) 160071



CIN: U74140PB2011PTC034739

TEST REPORT





ULR No. : TO	747721000002872F	Test Report No.:	EL210521NN002
Type of Sample: Ar	nbient Noise	Date of Reporting:	22/05/2021
Customer	Thapar Institute of Engineering & Technology Bhadson Road, Distt Patiala, (Punjab)	Work Order No. & Date	WO NO. WO/TIET/CS/PR/20250 Dt.: 17/11/2020
		Customer reference No. (If any)	NA
Sampling Protocol	IS 9989-1989, RA 2008	Mode of Collection of Sample	Sampling by laboratory
Date of Sampling	20/05/2021	Date of Receipt of Sample	21/05/2021
Sampling Location	Near Project & Estate Department	Period of Analysis	21/05/2021 To 21/05/2021
Testing Protocol	IS 9989-1989, RA 2008		
Testing Location	Site Testing		

RESULTS

I- Chemical Testing

1. Atmospheric Pollution (Ambient Noise Level)

S.No.	Test Parameters	Units	Results	Method	
1	Ambient Day Time Noise Levels	dB(A)	48.3	LAB SOP: EL/SOP/NL/01	

Ambient Noise Quality Standards as per Noise Pollution (Regulation and Control) Rules, 2000

Area Code	Category of Area/Zone	Limits	Limits in dB(A) Leq*	
		Day Time	Night Time	
, A	Industrial area	75	70	
В	Commercial area	65	55	
С	Residential area	55	45	
D	Silence Zone	50	40	

Day time shall mean from 6.00 a.m. to 10.00 p.m., Night time shall mean from 10.00 p.m. to 6.00 a.m., Silence zone is an area comprising not less than 100 meters around hospitals, educational institutions, courts, religious places or any other area which 🛮 is declared as such by the competent authority, Mixed categories of areas may be declared as one of the four above mentioned categories by the competent authority. *dB(A) Leq denotes the time weighted average of the level of sound in decibels on scale 'A' which is relatable to human hearing

Remarks:

NA

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