

An ISO 9001:2015 Certified Organization

Environmental Testing & Analysis, Calibration of Instruments



No.38/2, F1 Ranga Flats, Bharathiyar Street, Near Indian Bank, Hasthinapuram Road, Chrompet, Chennai - 44.

Regional Office: Pondicherry, Coimbatore & Andra Pradesh

Contact: 8778740104, 9384381615 | Email: igniteengg@gmail.com



		EST REPORT				
Sample Ref No: EES/	AS/270/12 to 271/14	Date of Sampling: 07.05.2023 Report Date/Report No: 10.05.2023				
M/s. T.J.S Engineer Peruvoyal,Gumm Page 1 of 1	ring College idipoondiTk					
Group Discipline Sample Description Sampling Method	:Atmospheric Pollution : Chemical Testing : Indoor Air Quality : IS 5182, NIOSH & SOP	Sample Drawn By/Date : EES/07.05.2023 Received On : 08.05.2023 Analysis Commenced On : 08.05.2023 Analysis Completed On : 10.05.2023				

SI.	Sampling Location	UNIT	RESULT	ASHRAE LIMITS			
No_			Carbon-di-oxide (CO ₂)				
1	Central Library	ppm	451				
2	Office	ppm	419				
3	Principal Room	ppm	486	,			
4	Canteen	ppm	421	1			
5	Computer Lab	ppm	354	1000			
6	Class Room-I	ppm	472				
7	Class Room-II	ppm	341				
ASH	ASHRAE- American Society of Hearing Refrigerating and Air-Conditioning Engineers.						

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

Authorized Signatory

Note

- 1. Test result shown in this test report relate only to the items tested
- 2. This test Report shall not be reproduce anywhere except in full and in same format without the approval of the Laboratory

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PRINCIPAL

J.S. ENGINEERING COLLEG

Wayaraipettai,

3. ENGINEE IX.
Peruvoyal, Kavaraipeitai,
Gummidipoondi Taluk,
Thiruvallur Dist - 601 206.



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AMBIENT AIR MONITORING

Report N		2-2023 Repor	t Date		10.05.20				
Custome	r Name & Address	Sample Reference No:		IES-NO-AR-72-179-20					
14/2100			Sample Description:		Ambient A				
M/s T.J.S	Engineering College	Sample Drawn by:	-	Laborator					
Peruvoya	al,GummundiPoondi Taluk	Sample Collected Date:			07.05.202				
Chennai		Qty of sample Received:		Filter Paper(2nos) & Approx 25ml Solution(4no					
		Sample Received On:		Titler Taper(21103	07.05.202				
		Test Commenced On:	-		07.05.202				
		Test Completed On:			10.05.202				
		Sampling Method:	_		IES-SOP-ARS-01 to 1				
		Sample Mark:			Near to Cantee				
S.No	Name of the Test	Test Method	Uni	its Results	Max. Annual Average				
	• •		0	nesures	Limits Of NAAQs				
1.	Ammonia (as NH ₃)	CPCB Guidelines, Volume I,	μg/ı	m³ 6.3	100				
		NAAQMS/36/2012-13	10						
2.	Arsenic (as As)	CPCB Guidelines, Volume I,	μg/r	m³ <0.1	6.0				
		NAAQMS/36/2012-13							
3.	Benzene (as C ₆ H ₆₎	IS 5182 (Part 11): 2006	μg/n	n³ <0.5	5.0				
	1	(Reaffirmed 2017)							
4.	Benza (α) Pyrene(as		CPCB Guidelines, Volume I, μg/m ³		1.0				
5.	C ₂₀ H ₁₂)	NAAQMS/36/2012-13							
5.	Carbon Monoxide (as CO)	Instruments Manual Based	μg/m	13 <1.1	2.0				
6.	Lead (as Pb)	SOP No.EL-SOP-ARS-17							
0.	Lead (as Pb)	IS 5182 (Part 22): 2004	μg/m	o ³ <0.5	0.5				
7.	Nickel (as Nil)	(Reaffirmed 2014) Clause No.5 CPCB Guidelines, Volume I,		1					
7.	Tricker (as IVII)	NAAQMS/36/2012-13	μg/m	<1.0	20				
8.	Oxidants (as Ozone O ₃)	IS 5182 (Part IX)- 19747	μg/m	3					
	(======================================	(Reaffirmed 2014)	μg/m	<10.0	100				
9.	Oxidants of Nitrogen	IS 5182 (Part 6): 2006	μg/m	3 20.3					
	(as Ozone NO₂)	(Reaffirmed 2017)	P6/111	20.3	40				
10.	Particulate Matter (as	IS 5182 (Part 23): 2006	μg/m	3 36.2					
	PM,10)	(Reaffirmed 2017)	r6/	30.2	60				
11.	Particulate Matter (as	EPA 40 CFR Part 50-	μg/m	3 17.2	40				
	PM ₂₅)	Appendix L		17.2	40				
12.	Sulphur Dioxide (as	IS 5182 (Part 2): 2001	μg/m	10.6	50				
	SO ₂)	(Reaffirmed 2017)			30				
OTEC:		<end of="" report<="" td=""><td>></td><td></td><td></td></end>	>						

The Concentrations of the parameters Jested in the above Location are within the prescribed annual average limits of NAAQs tolerance limits.

Report Confirmed by

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VEERING COLLEGE eruvoyal, Kavaraipettai,

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ILLUMINATION MONITORING

Report		IES-NO-IN-23-601-20						
costonier Name & Address				Date		10.05.20		
M/s. T.J.S Engineering College				Sample of Reference No:		18	ES-NO-IN-23-554-20	
Peruvo	yal,GummundiPoondi T	aluk		Sample Description:			Lig	
Chenna	ai		Monito				Laborato	
			Monito				07.05.20	
			Data Re				07.05.202	
			Samplin	ng Me	ethod:	IS 3646 (pa	rt1):1992 (Reaffirme 200	
S.no	Name of the		Monito	ring u	ınit:			
5.110	Name of the Location	omeoning	Monitoring			0 a.m -10.00 p.m)		
1.	Admin Block	Distance in m	Time		Minimum	Maximum	L Equivalent	
2.		0.9	11 AM -12F	M	355	432	409	
3.	Civil Dept Canteen	0.9	11 AM -12P	M	226	238	236	
4.		0.9	11 AM -12P	M	304	362	319	
	Class Room-1	0.9	11 AM -12P	М	533	612	212	
5.	Class Room-11	0.9	11 AM -12P	м	420	448		
Permi:	ssible Limit For Light as F	er The Factories Rules.	1950	-	420 448 431 Maximum 65			
			End of Repo		>	Maximum 65		
IOTES:	• .'							
he abo	ve Location Light levels are	fulfill the necessities of Fa	ctories Rules 19	50 sta	andard.	_		
eport (Confirmed by	,				NITE ENVIRONME	NTAL SERVICES	
	16- 5		ارا			rized Signatory		

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T.J.S. ENGINEERING COLLEGE

Peruvoyal, Kavaraipettai, Gram idipoondi Taluk, Thauvailur Dist - 601 206.





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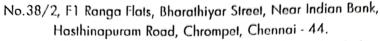
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· Regional Office : Pondicherry, Coimbatore & Andra Pradesh

Contact: 8778740104, 9384381615 | Email: ignileengg@gmail.com

NOISE MONITORING

Report No	EL-NC	D-NE-23-602-2023	Report Dat	e:	10.05.2023	
Customer N	lame & Address		10, March	Reference No:	IES-NO-IN-23-555-2023	
M/s. TJ.S E	ngineering College		Sample Des	cription:	Light	
Peruvoyal, Gummundi Poondi Taluk Chennai			Monitoring By:		Laboratory	
Chennai	Chennai			Date:	07.05.2023	
				ed On:	07.05.2023	
				ethod:	IS:9989- 1981 (Reaffirmed 2001)	
,			Monitoring	unit:	Db (A)	
S.no Na	me of the Location	Monitoring	Monitoring Day Time (6.00 a.m -10.00 p.m)			

S.no Name of the Location		Monitoring Monitoring		Day Time (6.00 a.m -10.00 p.m)			
		Distance in m	Time	Minimum	Maximum	L Equivalent	
1.	Admin Block	Site	11 AM –12PM	58.9	59.3	57.3	
2.	Civil Dept	Site	11 AM -12PM	60.9	65.3	62.1	
3.	Canteen	Site	11 AM -12PM	57.0	59.0	55.6	
4.	Class Room-1	Site	11 AM –12PM	59.2	61.5	60.0	
j	Class Room-11	Site	11 AM –12PM	55.1	62.1	57.3	
Permis	sible Limit For Noise as Per	The Factories Rul	es 1950		Maximum 90.0		

<-----> NOTES:

The sound levels tested in the above Mations are within the prescribed limits of Factorios rules 1950 Standard Limits

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AMBIENT AIR MONITORING

Report No	Name & Address	maport butt.				10.05.202	
customer	Name & Address	Sample Reference No:		IES-NO-AR-72-178-202			
M/s. T.J.S Engineering College		Sample Description:		Ambient Ai			
Portwood	Charactering College		Sample Drawn by: Sample Collected Date: Qty of sample Received:			Laborator	
Chennai	,GummundiPoondi Taluk					07.05.2023	
Circiniai					Paper(2nos)	& Approx 25ml Solution(4nos	
		Sample Received On:				07.05.2023	
		Test Commenced On:				07.05.2023	
		Test Completed On:				10.05.2023	
		Sampling Method:	V ()			IES-SOP-ARS-01 to 11	
		Sample Mark:				Near to Admin Block	
S.No	Name of the Test	Test Method	Ur	nits	Results	Max. Annual Average	
						Limits Of NAAQs	
1.	Ammonia (as NH ₃)	CPCB Guidelines, Volume I,	μg/	/m³	<5.0	100	
2,	A	NAAQMS/36/2012-13					
2.	Arsenic (as As)	CPCB Guidelines, Volume I,	ив/	m³	<0.1	6.0	
3.	Ponzona /na C II	NAAQMS/36/2012-13					
٥.	Benzene (as C ₆ H ₆₎	IS 5182 (Part 11): 2006	μg/	m³	<0.5	5.0	
4.	Benza (α) Pyrene(as	(Reaffirmed 2017)					
	C ₂₀ H ₁₂)	CPCB Guidelines, Volume I, NAAQMS/36/2012-13	µg/	m"	<0.5	1.0	
5.	Carbon Monoxide (as	Instruments Manual Based	μg/	3	3	'	
	CO)	. SOP No.EL-SOP-ARS-17	HR/	m	<1.2	2.0	
6.	Lead (as Pb)	IS 5182 (Part 22): 2004	µg/1	m³	n³ <0.5		
		(Reaffirmed 2014) Clause No.5	5 100		" <0.5	0.5	
7.	Nickel (as Nil)	CPCB Guidelines, Volume I,	µд/п	m³	<1.0	20	
		NAAQMS/36/2012-13	"3"		1.0	20	
8.	Oxidants (as Ozone O ₃)	IS 5182 (Part IX)- 19747	µg/г	m³ <10.0	100		
		(Reaffirmed 2014)	'		-5.5	100	
9.	Oxidants of Nitrogen	IS 5182 (Part 6): 2006	µg/г	m³ 16.1	40		
	(as Ozone NO ₂)	(Reaffirmed 2017)		1 20.2	40		
10.	Particulate Matter (as	IS 5182 (Part 23): 2006	μg/r	m³	27.4	60	
	PM ₁₀)	(Reaffirmed 2017)	'		00		
11.	Particulate Matter (as	EPA 40 CFR Part 50-	μg/r	μg/m³ 23.5		40	
	PM ₂₅) .	Appendix L				10	
12.	Sulphur Dioxide (as	IS 5182 (Part 2): 2001	μg/n	n³	8.7	50	
	SO ₂)	(Reaffirmed 2017)					
OTES:		<end of="" repor<="" td=""><td>?T></td><td>•</td><td></td><td></td></end>	?T>	•			

The Concentrations of the parameders tested in the above Location are within the prescribed inval average limits of NAAQs tolerance limits.

Report Confirmed by

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