

REPORT OF ANALYSIS

**NOISE LEVEL SURVEY RESULT , GROUND WATER QUALITY TEST REPORT
&
TREATED STP WATER TEST REPORT**



TAMILNADU POLLUTION CONTROL BOARD
District Environmental Laboratory, Ambattur.
Ambient/Source Noise Level Survey-Report of Analysis

ROA No. 27/AAQS/2024 - 25

Dated: 02.07.2024

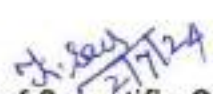
1	Name of the Industry	M/S. Kanishk Steel Industries Ltd		
2	Address of the Industry	Plot No B-27 SIPCOT Industrial Complex Gummidipoondi Pin 601201		
3	Date of survey	26.06.2024		
4	Category	OL	Land Use Classification	Industrial
	Type of survey	Ambient/Source	Time of Survey	Day
	Meteorological Conditions	Calm		

Logging Parameters

Instrument Used	CESVA	Serial No.	T243104
Logging Interval	30 Minutes in each point	Measuring Range	50-110 dB(A)
Weighting	"A" Peak Weighting	"C" Time Weighting	Slow
Sound Incidence	RANDOM	Time in Hrs.	15:30 - 16:20 Hrs

S.no	Location	Duration (min)	Distance (m)	Direction	Sound Level – dB(A)		
					Leq	LMin	LMax
1	Near Admin Building	30	60	NE	70.5	66.2	85.2
2	Near labour quarters	30	50	E	74.0	70.6	88.6
3	Near storage yard	30	60	SE	69.4	65.3	82.6
4	Near stores	30	70	SW	72.6	69.4	87.3
5	Near laboratory	30	80	NW	65.1	61.3	78.2

Leq Value is the average energy for the measured period


 Deputy Chief Scientific Officer,
 DEL, Ambattur



Plot No. 19, ALEAP Industrial Estate,
SY. No's 342, Near Pragathi Nagar,
Quthbullapur Mandal and Municipality,
Ranga Reddy Dist. Telangana - 500 090.
Email: kiwislabhyd@gmail.com
Ph: 99666 61485 / 040-23816333

TEST REPORT

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Report No: KIWIS/W/COM/24/09

Name and address of the client

**M/s. Kanishk Steel Industries Limited,
S.F. No. B-27 (N,M & S) SIPCOT Industrial
Complex, Peddikuppam Village, Gummidipoondi,
Tiruvallur district Pin: 601 201.**

Date of report	: 08-05-2024	Sample Collected by	: Kwis Eco Laboratories Pvt Ltd.,
Date of sampling	: 28-04-2024	Sample Collected in	: in Plastic Cans
Sample received on	: 30-04-2024	Sampling Procedure	: KIWIS/SOP/ Lab - 258
Analysis starting date	: 30-04-2024	Sample registration no/Code	: KSIL/W/COM/04/24/129
Analysis completion date	: 08-05-2024	Sample description	: Water Quality Monitoring
Sub Contract Testing	: NA	Name of the Location	: Ground water at Plant site

Samples are analyzed "as Received basis"

S.No	Parameter	Unit	Method	Result	IS 10500 (Acceptable Limits)	IS 10500 (Permissible Limits)
1	Color	Hazen	APHA 2120 C	<5.0	5	15
2	Turbidity	NTU	APHA 2130 B	<1.0	1	5
3	pH @ 25.0°C	-	APHA 4500H+ B	6.9	6.5-8.5	No relaxation
4	Electrical Conductivity	µmho/Cm	APHA 2510 - B	3270	Not Specified	Not Specified
5	Total Dissolved solids	mg/L	APHA 2540 C	1950	500	2000
6	Total Solids	mg/L	APHA 2540 B	1958	Not Specified	Not Specified
7	Alkalinity as CaCO ₃	mg/L	APHA 2320 B	171	200	600
8	Hardness as CaCO ₃	mg/L	APHA 2340 C	820	200	600
9	Calcium as Ca	mg/L	APHA 3500 Ca B	233	75	200
10	Magnesium as Mg	mg/L	APHA 3500-Mg B	58	30	100
11	Chlorides as Cl ⁻	mg/L	APHA 4500 Cl ⁻ B	759	250	1000
12	Sulphates as SO ₄	mg/L	APHA 4500 SO ₄ D	158	200	400
13	Nitrate as NO ₃	mg/L	APHA 4500 NO ₃ B	4.4	45	No relaxation

TEST REPORT

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Report No: KIWIS/W/COM/24/09

Samples are analyzed "as Received basis"

S.No	Parameter	Unit	Method	Result	IS 10500 (Acceptable Limits)	IS 10500 (Permissible Limits)
14	Sodium as Na	mg/L	APHA 3500 Na B	460	Not Specified	Not Specified
15	Potassium as K	mg/L	APHA 3500 K B	18	Not Specified	Not Specified
16	Fluoride as F	mg/L	APHA 4500F- D	< 0.5	1	1.5
17	Iron as Fe	mg/L	APHA 3500 Fe B	< 0.3	1	No relaxation
18	Zinc as Zn	mg/L	APHA 3111 B	<0.2	5	15
19	Cyanide as CN ⁻	mg/L	APHA 4500 CN ⁻ C, E	<0.05	0.05	No relaxation
20	Phenolic Compounds as C ₆ H ₅ OH	mg/L	APHA 5530 D (Direct Photometric Method)	<0.001	0.001	0.002
21	Lead as Pb	mg/L	APHA 3111 B	<0.01	0.01	No relaxation
22	Mercury as Hg	mg/L	APHA-3112 Hg B	<0.001	0.001	0.001
23	Manganese as Mn	mg/L	APHA 3111 B	<0.1	0.1	0.3
24	Cadmium as Cd	mg/L	APHA 3111 B	<0.003	0.003	No relaxation
25	Chromium as Cr ⁺⁶	mg/L	APHA 3500 Cr B	<0.01	0.05	No relaxation
26	Copper as Cu	mg/L	APHA 3111 B	<0.05	0.05	1.5
27	Total Coliform	MPN/ 100ml	APHA 9221B	<0.05	Shall not be detectable in any 100 ml sample	Shall not be detectable in any 100 ml sample
28	E-Coli	MPN/ 100ml	APHA 9221G	<1.8	Shall not be detectable in any 100 ml sample	Shall not be detectable in any 100 ml sample

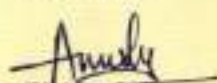
Methods follow: APHA 24th Edition

NA: Not Applicable

Opinion and interpretation: Nil

- Reports pertained only to the submitted sample
- Test reports shall not be reproduced except in full, without written approval of the laboratory

Checked By


(V. Anusha)
(Sr. Chemist)

Authorized Signatory


(Sateesh)
(Manager Laboratory)

End of the Report

**TREATED SEWAGE EFFLUENT
DISCHARGE MONITORING DATA**



CIN : U93000TN2000PTC043869

TEST REPORT

Test Report No & Date	CTL/CH/N-38300/2024-25 & 31.01.2025
Sample Number	N-38300/24-25
Name of the Customer	M/s. Kanishk Steel Industries Ltd,
Address	B-27 N, B-27 M, B-27 S, Sipcot Industrial Complex, Peddikuppam, Gummidipoondi - 601201.
Sample Drawn by	Customer
Sample Name	Sewage Water
Sample Description	Treated Sewage Water
Sampling Location	NA
Sample Drawn on	NA
Sample Collected by	NA
Sampling Plan & Procedure	NA
Sample Quantity	500ml
Sample Condition	Good & Received in Plastic container
Environmental Conditions	NA
Equipment used for Sampling	NA
Sample Received on	24.01.2025
Analysis Started on	24.01.2025
Analysis Completed on	31.01.2025

Test Results:

The above sample tested as received, and results are as follows:

DISCIPLINE : CHEMICAL & BIOLOGICAL

GROUP : POLLUTION AND ENVIRONMENT

S.NO	PARAMETERS	METHOD	UNITS	RESULTS	LIMITS*
1	pH @ 25°C	4500 H+ B- APHA 24th Edn	-	6.8	6.5 to 9.0
2	Total Suspended Solids (TSS)	2540 D- APHA 24th Edn	mg/l	7	NMT 50
3	Biochemical Oxygen Demand (BOD) 3 days at 27°C	IS 3025 (Part 44)	mg/l	10	NMT 20

verified by



For Chennai Testing Laboratory Pvt ltd

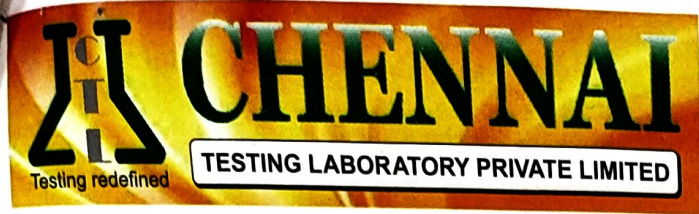
Authorised Signatory
A. RAJ KUMAR
SENIOR MANAGER
(CHEMICAL)

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The Report is meant only for sole use of the addressee*

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Phone : +91-44-2250 1757 | E-mail : chennaiesting@chennaiestinglab.com www.ctllabs.in



CIN : U93000TN2000PTC043869

TEST REPORT

Test Report No & Date	CTL/CH/N-38300/2024-25 & 31.01.2025
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S.NO	PARAMETERS	METHOD	UNITS	RESULTS	LIMITS*
Microbiology:					
4	Faecal Coliform	9221-E- APHA 24th Edn	MPN/100ml	140	< 1000

NMT - Not More Than

*Limits as Per MoEF & CC Notification, October 2017 for Treated Sewage

Remarks: The sample complies the limits MoEF & CC Notification, October 2017 for Treated Sewage with respect to the parameters tested
Statement of conformity is applied considering Decision rule as per CTL/QSP/16

*****END OF REPORT*****

For Chennai Testing Laboratory Pvt Ltd

T. Jayavartanan
Verified by

R. Jayavartanan
Authorised Signatory

R. JAYAVARTHANAN
Manager
(MICROBIOLOGY)

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