

BEFORE THE NATIONAL GREEN TRIBUNAL SOUTHERN ZONE
CHENNAI

Original Application No. 70 of 2023

Mr.K.Shanmugam, S/o. Krishnan,
269, EllaiyammanKoil Street,
Karunakaracheri, Somangalam,
Kancheepuram – 602 109

...

Applicant

-VS-

1. The Member Secretary,
Tamil Nadu Pollution Control Board,
Guindy, Chennai – 600 032.

And 13 others.

...Respondents

ADDITIONAL INDEX TYPED SET PAPERS-1

S.No.	Date	Description of documents	Annexure	Page no.
01.	21.10.2022	TEST REPORT	A18	1-3
02.	07.07.2024	Photos shows contamination near private respondent's company	A19	4-16
03.	27.07.2024	Article in malaiyugam newspaper	A20	17
02.	04.09.2024	TEST REPORT	A21	18-20

Dated at Chennai on this 8th day of September, 2024.

P. Bal

COUNSEL FOR PETITIONER

A18 1



OMEGA INSPECTION & ANALYTICAL LABORATORY



ISO/IEC 17025:2017 Accredited Laboratory, For Chemical, AAS, Mechanical, Metallography, Water, Salt Spray, DSC, UV-Weatherability, Building Materials.
On Site Test : NDT (Metals & Civil), Mobile Spectro, PMI, Hardness, Surface Roughness, Paint Peel Off, Salt Contamination, Conductivity Testing, etc.,

T.S. No. 35,36 & 57,58 Guindy Industrial Estate, Guindy, Chennai - 600 032. INDIA. Phone : 044 - 2250 0127
Telefax : 044 - 2250 0523, Mobile : 94442 55041, E-mail : omega_ial@outlook.com Web : www.omegalab.in

TR No.: OIAL/22-23/10/10683

Test Report

Page 1 of 2

IOCR No:22-4325	Report Date: 21-Oct-2022
Customer : K. SHANMUGAM, Ellaiamman Koil Street, Somamangalam, Sriperumbudur, Kanchipuram.	Test Started On: 14-Oct-2022
	Test Completed On: 20-Oct-2022
	Sample Drawn By: CUSTOMER
Customer Ref. : No.Nil, Dt.14.10.2022	
Nature of Test : DRINKING PURPOSE	
Test References : IS 10500 - 2012 (Second Revision), IS 3025, IS 1622 - 1981 (RA 1996), IS 15185 - 2002	
Sample Details : LAKE WATER SAMPLE Sample Received on: 14.10.2022 / Condition of samples received: Satisfactory	

Test Results

Source / Location **: Kolathur Lake, Venkadu

Test	Protocol	Results	Requirements / Limit as per IS 10500 - 2012 (Second Revision)	
			Acceptable limits (max)	Permissible Limits in the absence of Alternate Source (max)
Colour	IS : 3025 (Part 4) Reaff 2021	20 Hazen	5 Hazen	15 Hazen
Odour	IS : 3025 (Part 5) - 2018	Disagreeable	Agreeable	Agreeable
Turbidity	IS : 3025 (Part 10) Reaff 2017	13 NTU	1 NTU	5 NTU
Taste	IS : 3025 (Part 7,8) Reaff 2017	Disagreeable	Agreeable	Agreeable
pH at 25°C	IS : 3025 (Part 11) Reaff 2017	7.59	6.5 - 8.5	No Relaxation
Electrical Conductivity 25°C	IS : 3025 (Part 14) Reaff 2019	1694 µmhos/cm	--	--
Total Dissolved Solids	IS : 3025 (Part 16) Reaff 2017	980 mg/L	500 mg/L	2000 mg/L
Total Hardness as CaCO ₃	IS : 3025 (Part 21) Reaff 2019	350 mg/L	200 mg/L	600 mg/L
Calcium as Ca	IS : 3025 (Part 40) Reaff 2019	72 mg/L	75 mg/L	200 mg/L
Magnesium as Mg	IS : 3025 (Part 46) Reaff 2019	41 mg/L	30 mg/L	100 mg/L
Chloride as Cl ⁻	IS : 3025 (Part 32) Reaff 2019	220 mg/L	250 mg/L	1000 mg/L
Alkalinity as CaCO ₃	IS : 3025 (Part 23) Reaff 2019	269 mg/L	200 mg/L	600 mg/L
Sulphate as SO ₄ ²⁻	IS : 3025 (Part 24) Reaff 2019	350 mg/L	200 mg/L	400 mg/L
Nitrate as NO ₃ ⁻	APHA 23 rd Edn.4500 NO ₃ - B	4 mg/L	45 mg/L	No Relaxation
Iron as Fe	IS : 3025 (Part 53) Reaff 2019	BDL (DL=0.1 mg/L)	0.3 mg/L	No Relaxation

Contd...2





TR No.: OIAL/22-23/10/10683

FOCR No: 22-4325

Page 2 of 2

Date: 21-Oct-2022

Source / Location **: Kolathur Lake, Venkadu

Test	Protocol	Results	Requirements / Limit as per IS 10500 - 2012 (Second Revision)	
			Acceptable limits (max)	Permissible Limits in the absence of Alternate Source (max)
Free Residual Chlorine	IS : 3025 (Part-26) Reaff 2019	BDL (DL=0.5 mg/L)	0.2 mg/L	1.0 mg/L
Fluoride as F ⁻	APHA 23 rd Edn.4500 F ⁻ D	BDL (DL=0.1 mg/L)	1.0 mg/L	1.5 mg/L
Chromium as Cr ⁶⁺	IS : 3025 (Part 52) Reaff 2019	BDL (DL=0.05 mg/L)	0.05 mg/L	No Relaxation

Microbiological Parameters

Test	Protocol	Results	Requirements / Limit as per IS : 10500-2012 (Second Revision) Acceptable Limit
Total Coliform	IS 15185: 2016	Absent	Shall not detectable in any 100 ml
E.Coli		Absent	
Faecal Coliform	IS: 1622: 1981 (Reaff 2019)	< 2 # MPN/100 ml	--

** As furnished by customer

BDL-Below Detection Limit / DL-Detection Limit

Note < 2 can be considered as absent / (MPN Most Probable Number)

Remarks: The above water sample **does not comply** with Drinking Water Specification as per IS: 10500 / 2012 (Second Revision) with respect to the above parameters

M. Mani Muthu Selvi
M.Mani Muthu Selvi
CHEMIST

Tested / Verified By



K.M. Balasubramanian
K.M.BALASUBRAMANIAN
CHIEF EXECUTIVE OFFICER

Authorised By

Note : Certified that the test enumerated above have been carried out in conformity with standard Testing procedures and relevant specifications. The Certificate refers ONLY to the particular sample(s) submitted for Test. The sample details are as per customer description. All Complaints about this should be communicated in writing within 15 days from the date of issue of this report. The report shall not be reproduced in part/full, without the approval of OIAL. Laboratory reports statement of conformity to material specification as per Decision Rule 1. If Customer request's for Decision Rule 2 or 3, the selected rule will be applied and mentioned along with the statement of conformity.

TAX INVOICE



OMEGA INSPECTION & ANALYTICAL LABORATORY

GSTIN : 33AACPB1035E1ZQ | SAC CODE : 998346 | PAN No. : AACPB1035E

T.S. No. 35, 36 & 57, 58, Industrial Estate, Guindy, Chennai - 600
032., Phone : 04422500523, Telefax : 04422500127,
Mobile : 9841083961, ✉ omega_ial@outlook.com

Date : 14-10-2022

Invoice No.: OIAL/22-23/5247

M/S.

K. SHANMUGAM

Ellaiamman Koil Street, Somamangalam, Sriperumbudur,
Kanchipuram.

GSTIN:

TOCR No. : 22-4325

D.C. No. : Letter Dt:14/10/2022

Ref. : Sample

Sl. No.	Description	UOM	Quantity	Rate	Amount
1	Drinking Water Test	No	1	2,750.00	2,750.00
Total Amount					2,750.00
*CGST 9.00% ON					247.50
*SGST 9.00% ON					247.50
Rounded Off					0.00
Gross Amount					3,245.00

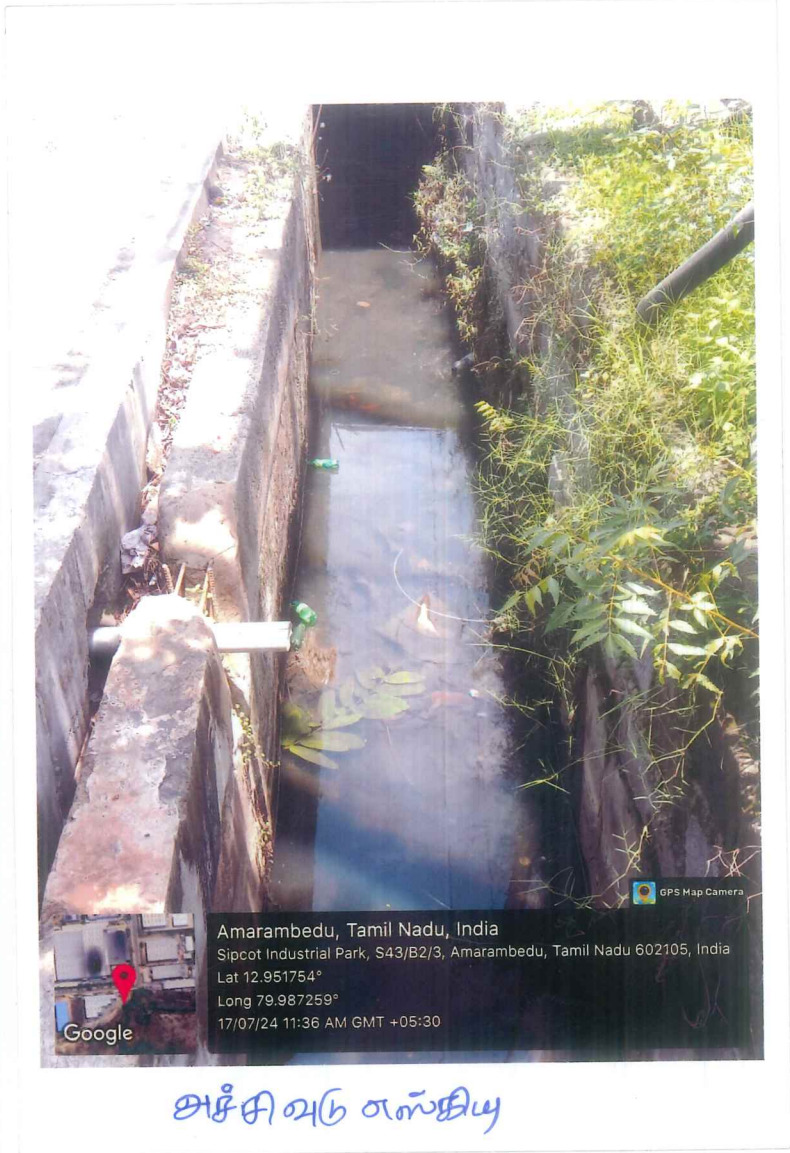
Rupees : THREE THOUSAND TWO HUNDRED AND FORTY FIVE ONLY

Enclosures:**Bank Account Details**

Bank Name: INDIAN OVERSEAS BANK
Branch Name: SME Guindy, Chennai - 32
Account No: 144702000000525
Account Type: Current Account
IFSC Code: IOBA0001447
MICR Code: 600020077

for OMEGA INSPECTION & ANALYTICAL LABORATORY

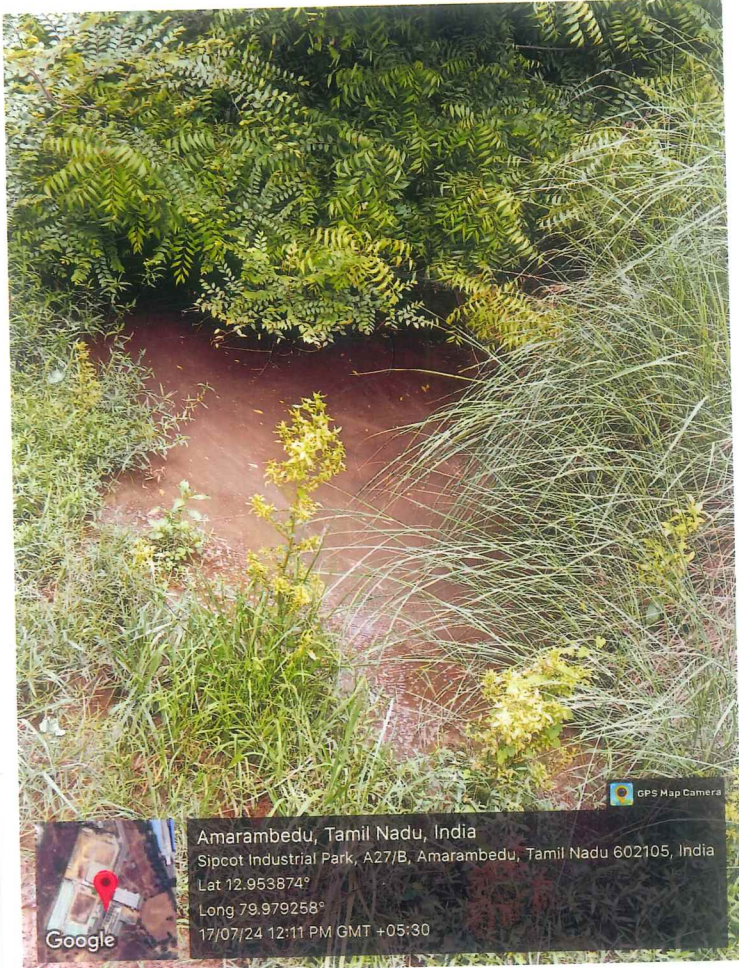
R. Senthil Kumar
Authorised Signatory



அச்சுறுத்தல் கால்வாய்

Near 4th Respondent
Company

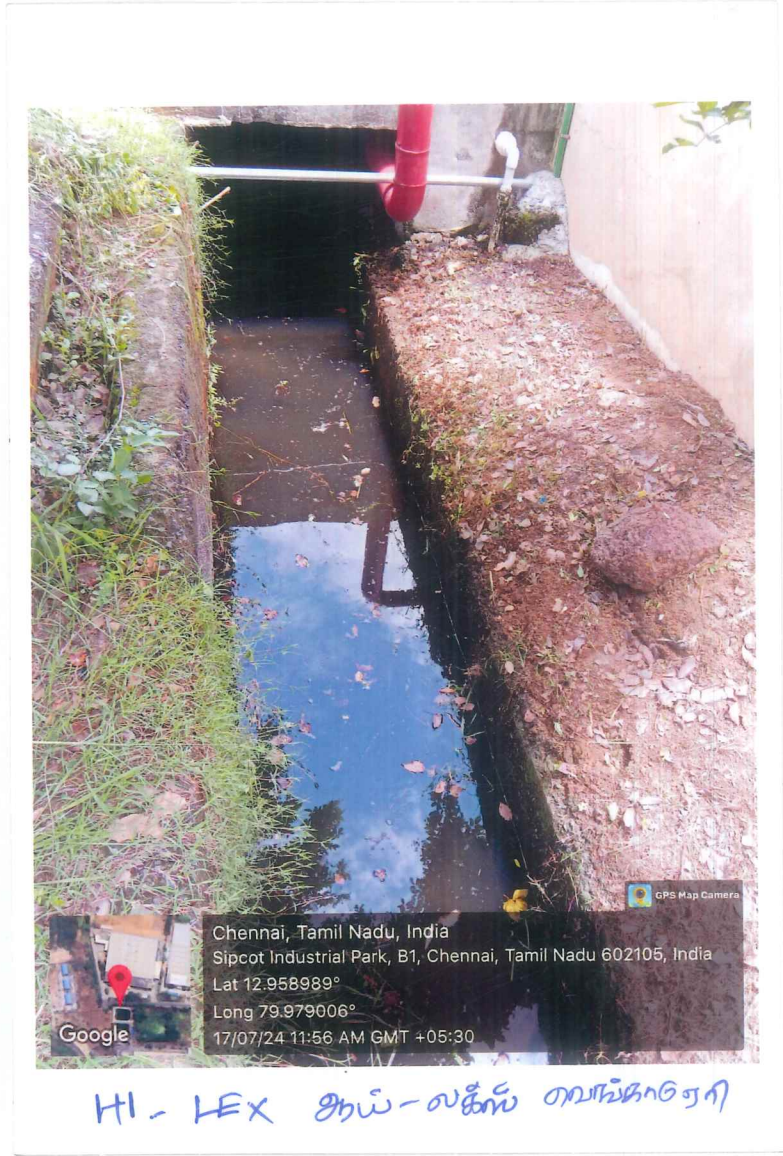
Near 5th Respondent
company



செய்தல் கிணியல்



செய்தல்

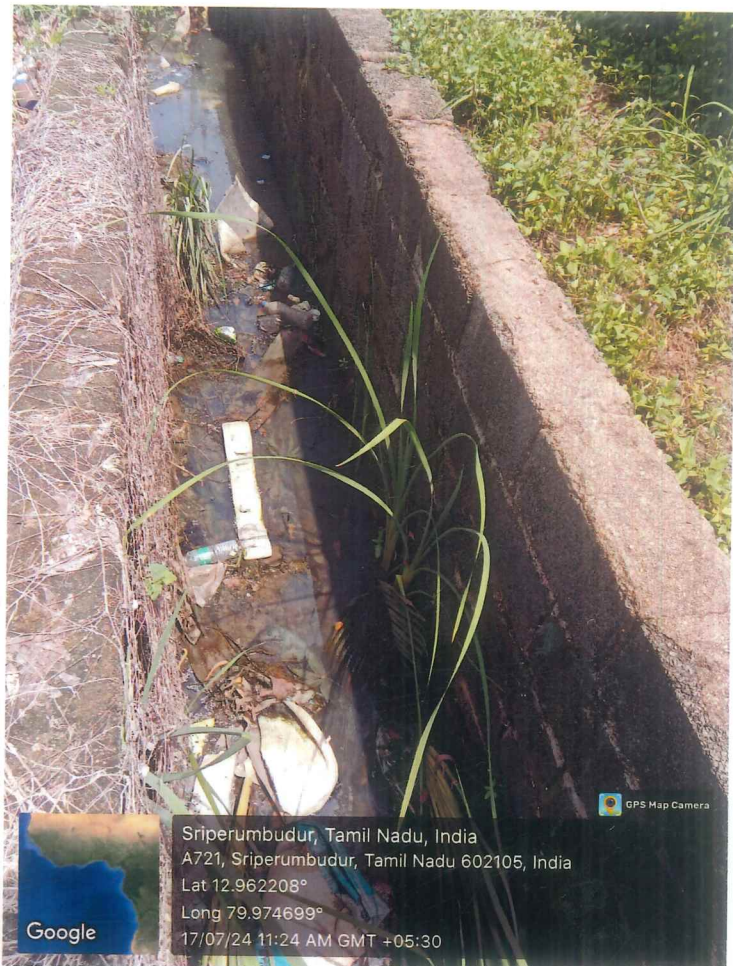


Near 6th Respondent
company



புலி-பி-பொட்டி மிணர்வு

Near 7th Respondent
company

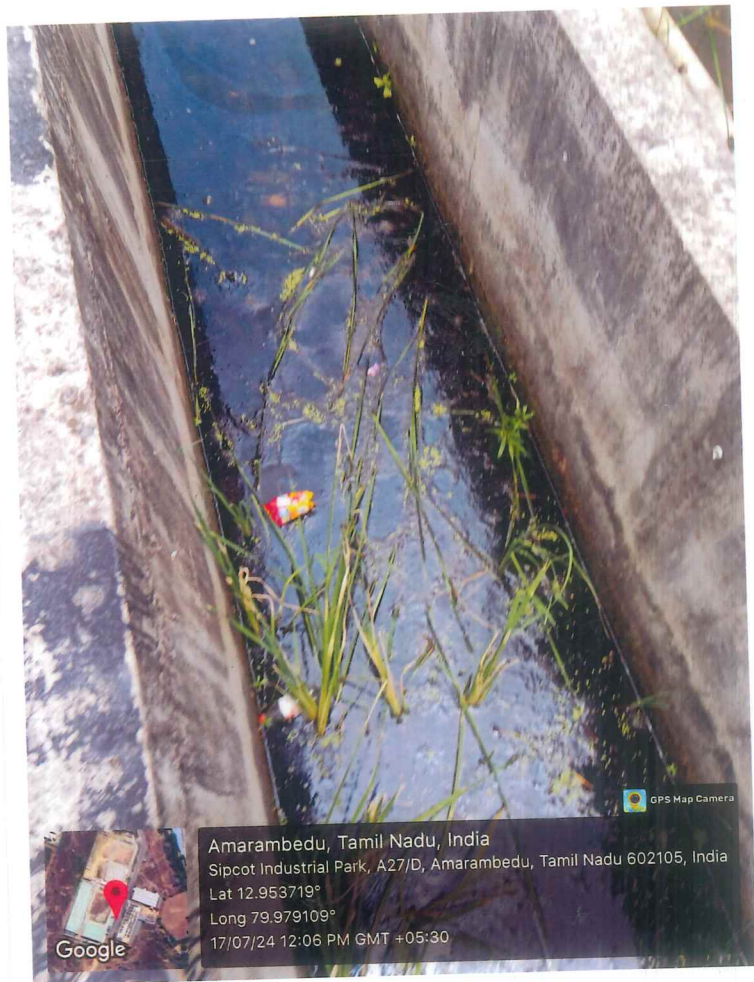


பொது ஊர்

Near 8th Respondent
company



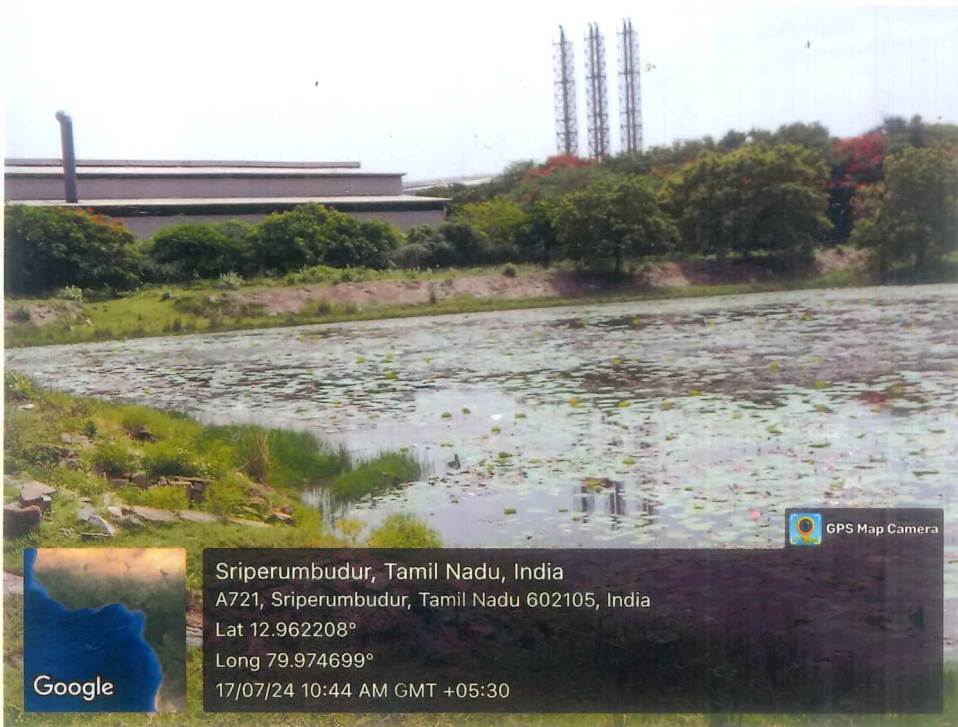
Near 9th Respondent
company



அம்பேடு, தமில்நாடு

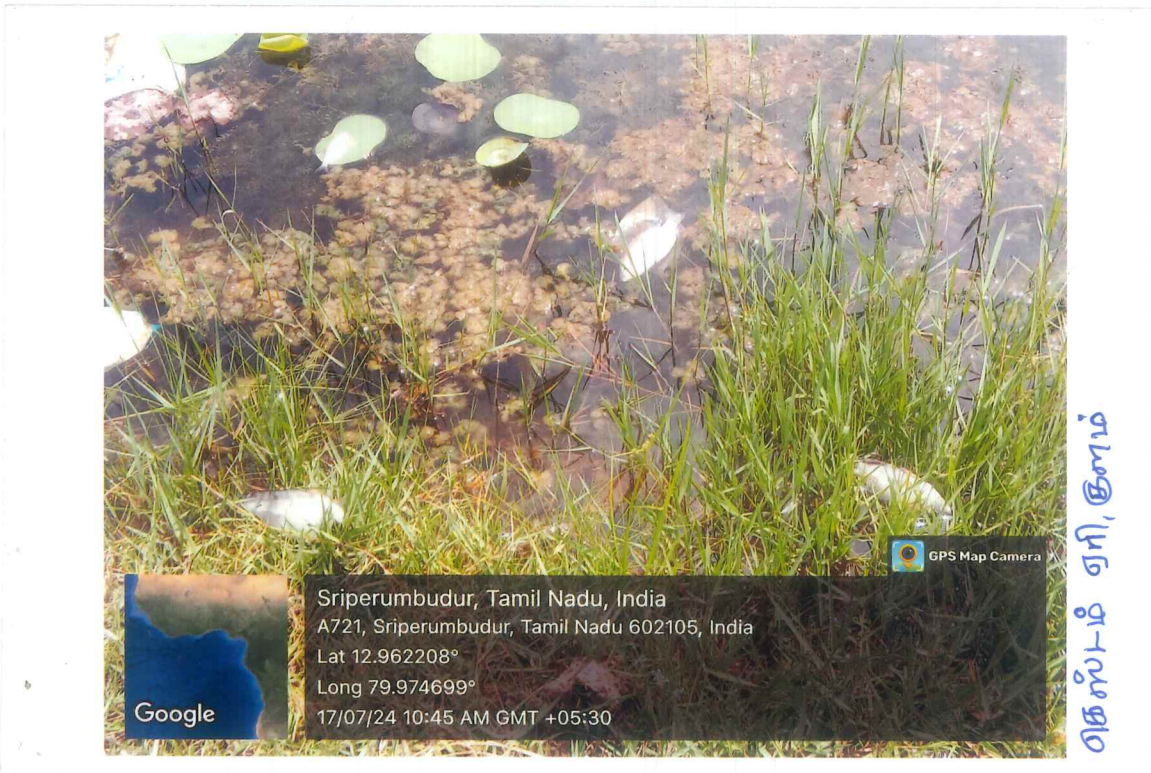
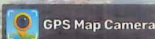
Near 10th Respondent
Company

0150m-10



Google

Sriperumbudur, Tamil Nadu, India
 A721, Sriperumbudur, Tamil Nadu 602105, India
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 Long 79.974699°
 17/07/24 10:44 AM GMT +05:30



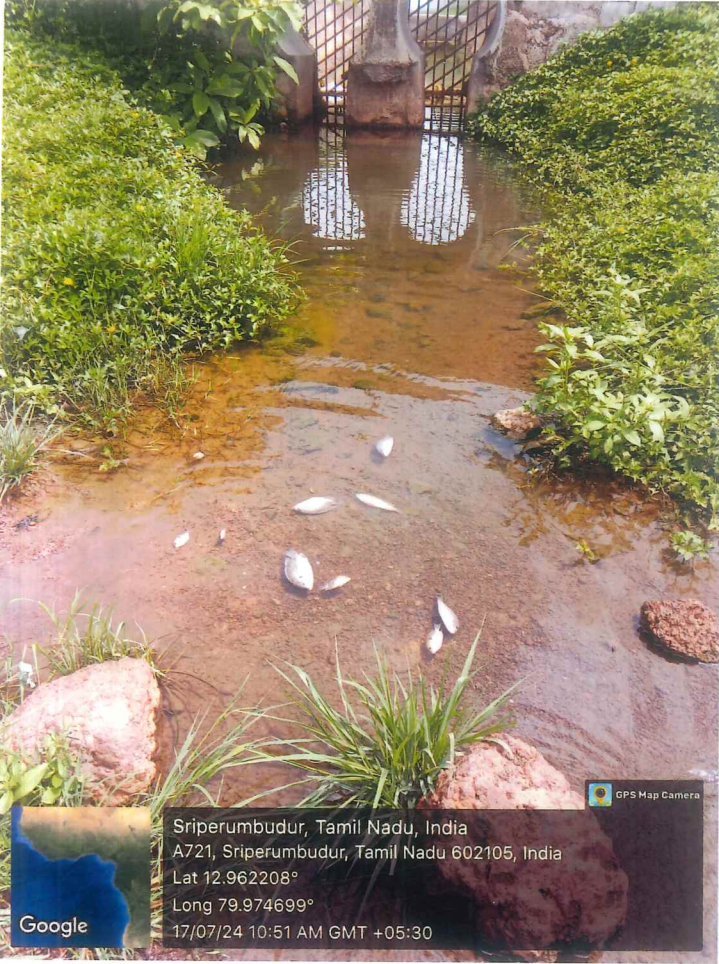
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 Long 79.974699°
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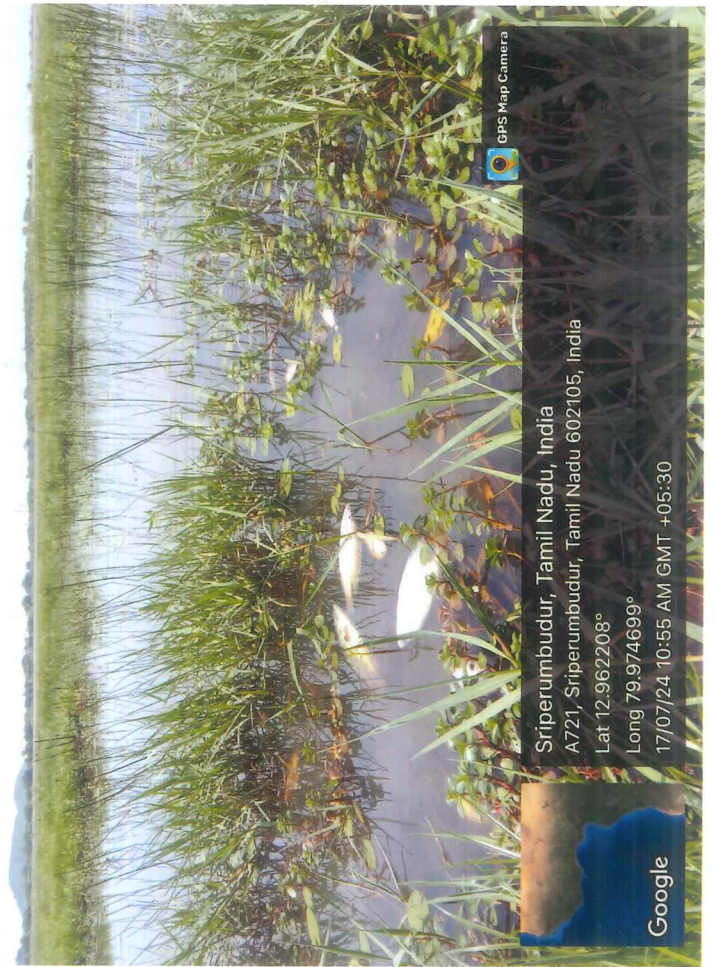
0150m-10 971, 00710

Near 11th Respondent company

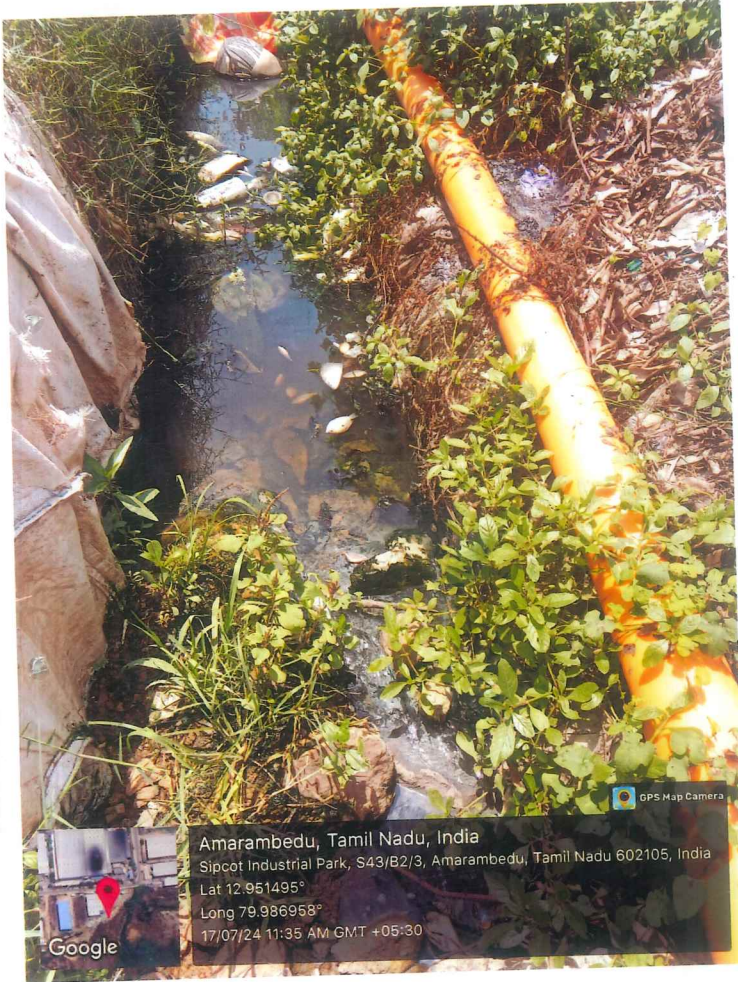


சூலக்காடி ஏரி பிளம்பாடி

Near 12th Respondent
company



சூலக்காடி ஏரி பிளம்பாடி

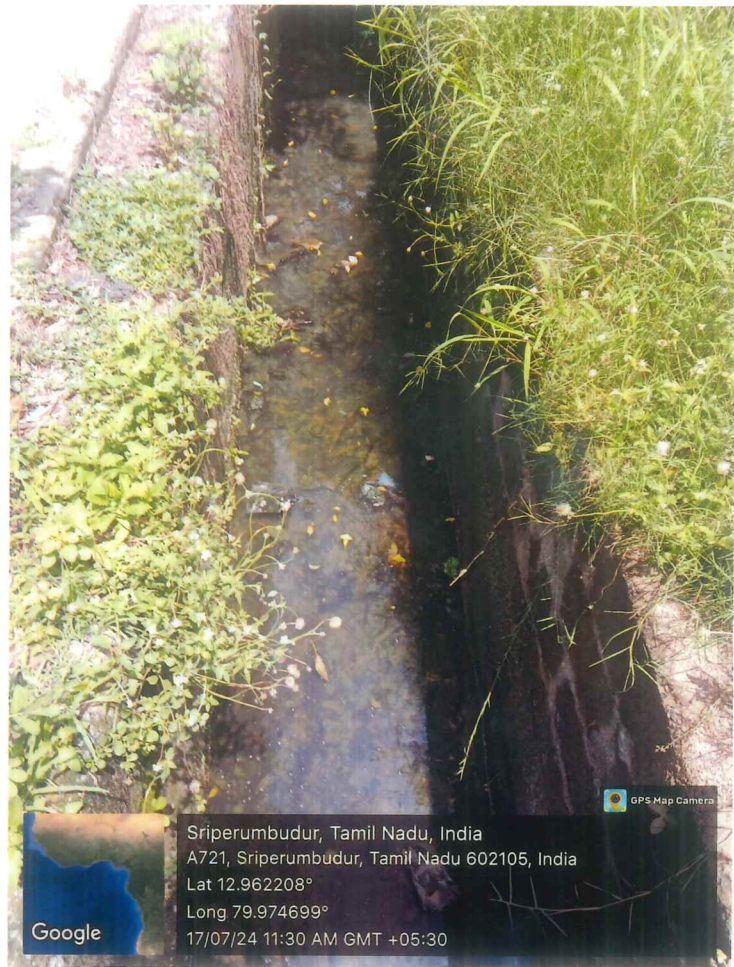


Amarambedu, Tamil Nadu, India
 Sipcot Industrial Park, S43/B2/3, Amarambedu, Tamil Nadu 602105, India
 Lat 12.951495°
 Long 79.986958°
 17/07/24 11:35 AM GMT +05:30

Google

УБОТОНЛ, UNITED

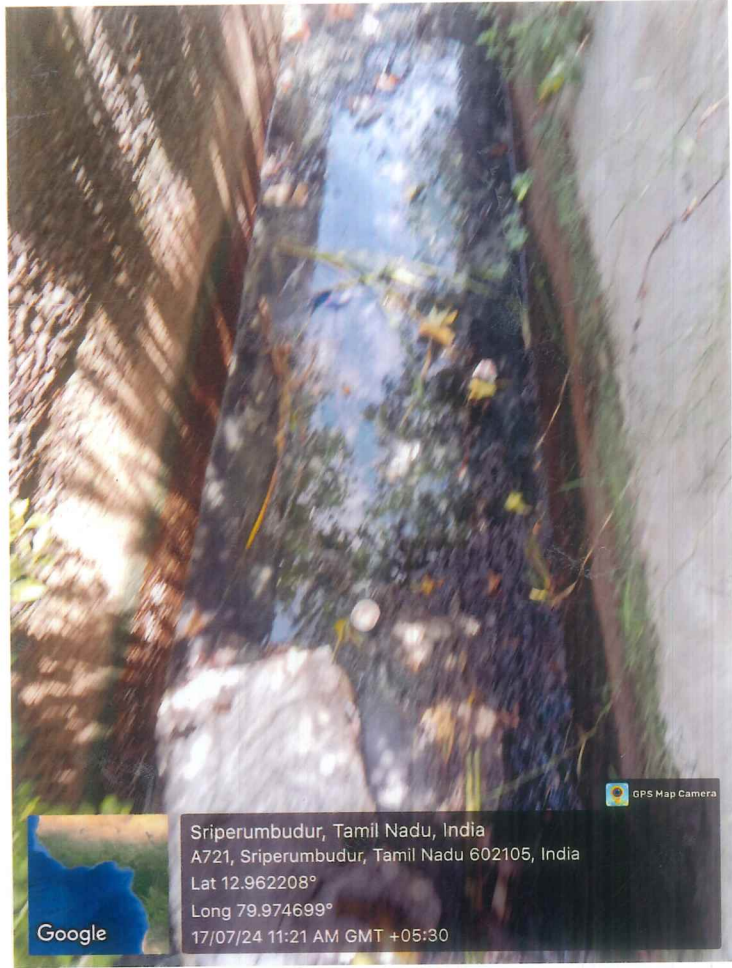
Near 13th Respondent company



Sriperumbudur, Tamil Nadu, India
 A721, Sriperumbudur, Tamil Nadu 602105, India
 Lat 12.962208°
 Long 79.974699°
 17/07/24 11:30 AM GMT +05:30

Google

УБОТОНЛ, UNITED



DOMIBL, BLASTO,

Near 14th respondent
company

மெய்க்காடு ஏரி



Google

GPS Map Camera

Pennalur, Tamil Nadu, India
 Kundrathur - Sriperumbudur Rd, Pennalur, Tamil Nadu 602105, India
 Lat 12.964795°
 Long 79.978892°
 17/07/24 10:33 AM GMT +05:30

மெய்க்காடு ஏரி

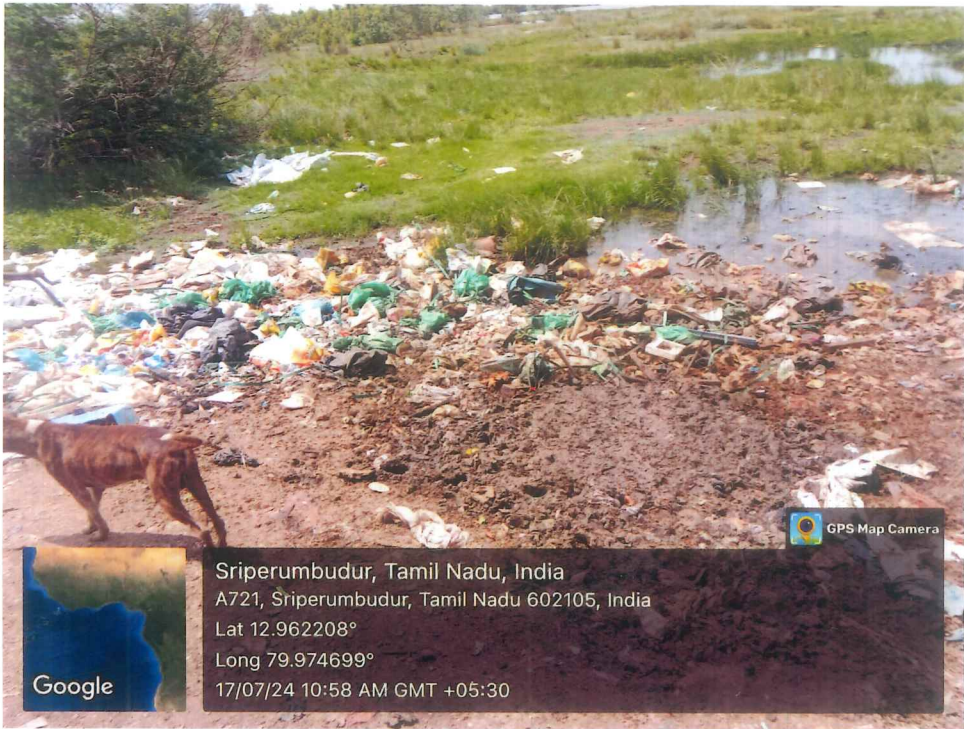


Google

GPS Map Camera

Amarambedu, Tamil Nadu, India
 XX5J+QM, Amarambedu, Tamil Nadu 602105, India
 Lat 12.960269°
 Long 79.981339°
 17/07/24 10:35 AM GMT +05:30

சுரத்திர் ௮௩ கி.மீ. கி.மீ. ௦.1௦௦௦௦௦



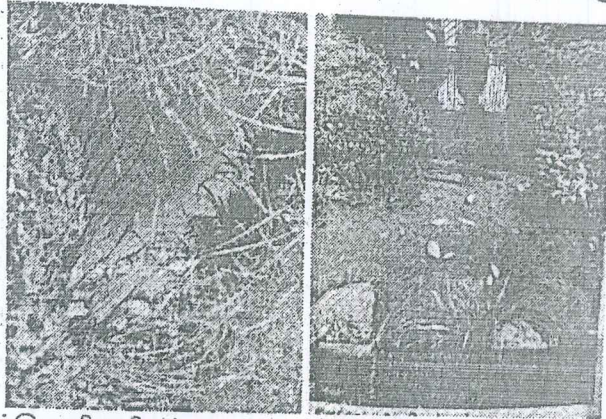
Google

Sriperumbudur, Tamil Nadu, India
A721, Sriperumbudur, Tamil Nadu 602105, India
Lat 12.962208°
Long 79.974699°
17/07/24 10:58 AM GMT +05:30

GPS Map Camera

வெங்காடு ஊராட்சியில் பொதுமக்கள் கண்டன ஆர்பாட்டம்

காஞ்சிபுரம், ஜூலை 30.
காஞ்சிபுரம் மாவட்டம்,
ஸ்ரீபெரும்புதூர் வட்டத்திற்குள்
அடங்கியுள்ள வெங்காடு
கிராமத்தில் அமைந்துள்ள
ஏரியில் சுற்றியுள்ள பகுதியில்
அமைந்துள்ள அசில்வெட்
எக்ஸ் கியூ மார்ட். மடோ
ஆட்டோமேட்டிவ் இந்தியா
பிரைவேட். எச்.ஐ. எல்.இ. எக்ஸ்
இந்தியா. மெஜினோ பாமர்ஸ்.
மைக்ரோடெக். அக்யூரபல்
ஸ்பிரிங். ஜெஸ்டம். பி.எஸ்.எச்.
ஹவுஸ் புல். யுனெடெட்
இண்டஸ்ட்ரியல். பிளாஸ்டோ
ஆகிய 11 வெளிநாட்டு
கம்பெனிகள்
இயங்கிவருகின்றன, 11



கம்பெனிகளிருந்து வரும்
கழிவுநீர் கால்வாய்
வழியாக வெங்காடு மற்றும்
இரும்பேடு கிராமத்தை
கடந்து கொளத்தூர்
ஏரியில் கழிவுநீர் கலந்து

தூர்நாற்றம் வீசுவதுடன் அந்த
நீரில் வாழும் மீன்கள்
இறந்துமிதக்கின்றன, அதை
அருந்தும் கால்நடைகள். இறப்பு
விகிதம் அதிகமாகிக்கொண்டே
இருக்கிறது, அந்த நீரை
குடிப்பதாலும் மற்றும்

மாசுபட்ட காற்றை
சுவாசிப்பதாலும் அதை
சுற்றியுள்ள கிராம மக்கள்
டி.பி., ஆஸ்துமா மற்றும்
கேன்சர் மற்றும் சொரியாஸ்
போன்ற நோய்களால்
பாதிக்கப்பட்டு மக்கள்
வெகுவாக துன்பப்படுகின்றனர்,
ஆதலால் தொழில்துறை
அமைச்சர் அவர்கள் மேற்படி
விஷயத்தில் நேரடி கவனம்
செலுத்தி அங்கு இயங்கிவரும்
ஆலைகளின் கழிவுநீரை
ஏரியில் கலக்காமல் தடுத்து
நிறுத்தி அங்குவாழும்
மக்களுக்கு பாதுகாப்பு
அரணாக இருக்க
வேண்டுகேட்டுக்கொள்ளப்படுகிறது.



OMEGA INSPECTION & ANALYTICAL LABORATORY PVT. LTD.,

ISO/IEC 17025:2017 Accredited Laboratory, For Chemical, AAS, Mechanical, Metallography, Water, Salt Spray, DSC, UV-Weatherability, Building Materials.
 On Site Test : NDT (Metals & Civil), Mobile Spectro, PMI, Hardness, Surface Roughness, Paint Peel Off, Salt Contamination, Conductivity Testing, etc.,

T.S. No. 35,36 & 57,58 Guindy Industrial Estate, Guindy, Chennai - 600 032.TN. INDIA.

TR No.: OIAL/24-25/09/06516

Test Report

Page 1 of 2

TOCR No:24-2499	Report Date: 04-Sep-2024
Customer : K. SHANMUGAM, Ellaiamman Koil Street, Somamangalam, Sriperumbudur, Kanchipuram.	Test Started On: 26-Aug-2024 Test Completed On: 03-Sep-2024 Sample Drawn By: CUSTOMER
Customer Ref. : Letter, Dt.26.08.2024	
Nature of Test : DRINKING PURPOSE	
Test References : IS 10500 - 2012 (Second Revision), IS 3025	
Sample Details : WATER SAMPLE Sample Received on: 26.08.2024 / Condition of samples received: Satisfactory	

Test Results

Project ** : Kolathur Lake, Venkadu

Chemical Testing / Water / Drinking Purpose

Temp: 25.1°C

Test	Protocol	Results	Requirements / Limit as per IS 10500 - 2012 (Second Revision)	
			Acceptable limits (max)	Permissible Limits in the absence of Alternate Source (max)
Colour	IS : 3025 (Part 4) Reaff 2021	> 100 Hazen	5 Hazen	15 Hazen
Odour	IS : 3025 (Part 5) - 2018	Disagreeable	Agreeable	Agreeable
Turbidity	IS : 3025 (Part 10) Reaff 2022	> 40 NTU	1 NTU	5 NTU
pH at 25°C	IS : 3025 (Part 11) : 2022	7.26	6.5 - 8.5	No Relaxation
Electrical Conductivity 25°C	IS : 3025 (Part 14) Reaff 2019	1199 µmhos/cm	--	--
Total Dissolved Solids	IS : 3025 (Part 16) Reaff 2023	630 mg/L	500 mg/L	2000 mg/L
Total Hardness as CaCO ₃	IS : 3025 (Part 21) Reaff 2019	450 mg/L	200 mg/L	600 mg/L
Calcium as Ca	IS : 3025 (Part 40) Reaff 2019	88 mg/L	75 mg/L	200 mg/L
Magnesium as Mg	IS : 3025 (Part 46) Reaff 2019	56 mg/L	30 mg/L	100 mg/L
Chloride as Cl ⁻	IS : 3025 (Part 32) Reaff 2019	223 mg/L	250 mg/L	1000 mg/L
Total Alkalinity as CaCO ₃	IS : 3025 (Part 23) Reaff 2019	226 mg/L	200 mg/L	600 mg/L
Sulphate as SO ₄ ²⁻	IS : 3025 (Part 24/Sec 1): 2022	58 mg/L	200 mg/L	400 mg/L
Nitrate as NO ₃ ⁻	APHA 23 rd Edn.4500 NO ₃ ⁻ B	3 mg/L	45 mg/L	No Relaxation
Iron as Fe	IS : 3025 (Part 53) Reaff 2019	BDL (DL= 0.1 mg/L)	0.3 mg/L	No Relaxation



Contd...2

TR No.: OIAL/24-25/09/06516
 TOCR No: 24-2499

 Page 2 of 2
 Date: 04-Sep-2024

Project **: Thoraipakkam

Test	Protocol	Results	Requirements / Limit as per IS 10500 - 2012 (Second Revision)	
			Acceptable limits (max)	Permissible Limits in the absence of Alternate Source (max)
Free Residual Chlorine	IS: 3025 (Part-26) Reaff 2021	BDL (DL=0.1 mg/L)	0.2 mg/L	1.0 mg/L
Fluoride as F ⁻	APHA 23 rd Edn.4500 F ⁻ D	BDL (DL=0.5 mg/L)	1.0 mg/L	1.5 mg/L
Chromium as Cr ⁶⁺	IS: 3025 (Part 52) Reaff 2019	BDL (DL=0.05 mg/L)	0.05 mg/L	No Relaxation

** As furnished by customer

BDL-Below Detection Limit / DL-Detection Limit

Remarks: The above water sample **does not comply** with Drinking Water Specification as per IS: 10500 / 2012 (Second Revision) Alternate Source with respect to the above parameters.



B.SIVA
 B.SIVA
 Sr. CHEMIST
 Authorised By

Note : Certified that the test enumerated above have been carried out in conformity with standard Testing procedures and relevant specifications. The Certificate refers ONLY to the particular sample(s) submitted for Test. The sample details are as per customer description. All Complaints about this should be communicated in writing within 15 days from the date of issue of this report. Laboratory reports statement of conformity to material specification as per Decision Rule 1. If Customer request's for Decision Rule 2 or 3, the selected rule will be applied and mentioned along with the statement of conformity. The report shall not be reproduced in part/full, without the approval of OIAL.

Form No.: QF-5.10.01A

TAX INVOICE


OMEGA INSPECTION & ANALYTICAL LABORATORY PVT. LTD.,
GSTIN : 33AAECO2513K1ZO | HSN CODE : 998346 | PAN No. : AAECO2513K

 TS No: 35, 36, 57, 58 & 60, Industrial Estate, Guindy, Chennai-600032., Phone : 04422500523, Mobile : 7305072288, ✉
 omega_ial@outlook.com

Date : 26-08-2024
Invoice No.: OIAL/24-25/2482

M/S.

K. SHANMUGAM

 Ellaiamman Koil Street, Somamangalam, Sriperumbudur,
 Kanchipuram.

GSTIN:
TOCR No. : 24-2499

D.C. No. : Letter Dt;26/8/2024

Ref. : Sample

Sl. No.	Description	UOM	Quantity	Rate	Amount
1	Drinking Water Test	No	1	2,500.00	2,500.00
2	Microbiological Parameters	No	1	1,000.00	1,000.00
Total Amount					3,500.00
*CGST 9.00% ON					315.00
*SGST 9.00% ON					315.00
Rounded Off					0.00
Gross Amount					4,130.00

Rupees : FOUR THOUSAND ONE HUNDRED AND THIRTY ONLY

Enclosures:
Bank Account Details

 Bank Name: INDIAN OVERSEAS BANK
 Branch Name: SME Guindy, Chennai - 32
 Account No: 144702000001857
 Account Type: Current Account
 IFSC Code: IOBA0001447
 MICR Code: 600020077

for OMEGA INSPECTION & ANALYTICAL LABORATORY PVT. LTD.,

Authorised Signatory

BEFORE THE NATIONAL GREEN
TRIBUNAL SOUTHERN ZONE
CHENNAI

O.A.No. 70 of 2023

Mr.K.Shanmugam,

...Applicant

1.The Member Secretary,
Tamil Nadu Pollution Control
Board And 13 others.

...Respondents

ADDITIONAL INDEX TYPED
SET PAPERS-1

P.BALAMURUGAN(1535/03)

COUNSEL FOR APPLICANT

9884446336