

**BEFORE THE NATIONAL GREEN TRIBUNAL
PRINCIPAL BENCH, NEW DELHI
(Through Video Conferencing)**

Original Application No. 334 of 2022 (PB)

R Chandracoumar

...Applicant

Versus

State of Tamil Nadu

...Respondent

INDEX

S.No	Description	Page No.
1.	INSPECTION REPORT OF THE JOINT COMMITTEE FORMED TO INSPECT THE BPCL RETAIL OUTLET SITE AT AIYANKOVILPATTU, VIKRAVANDI, VILLUPURAM DISTRICT.	1- 9

Inspection Report of the Joint Committee formed to inspect the BPCL Retail Outlet site at Aiyankovilpattu, Vikravandi, Villupuram in the matter of Hon'ble NGT (PB), New Delhi O.A.No. 334 of 2022 filed by R. Chandracoumar Vs State of Tamilnadu

Reference - Hon'ble NGT (PB) Order dated 11.05.2022 in O.A.No. 334 of 2022

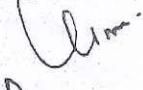
Date of Inspection :11.08.2022

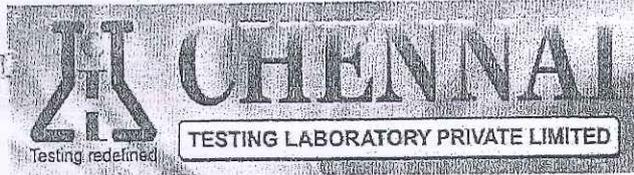
S.No	Title	Inspection Details
1	Name and Address of the unit with co-ordinates	BPCL Retail Outlet, Aiyankovilpattu Village, Vikravandi Taluk, Villupuram District
2	Details of the Occupier of the unit present during inspection	Mr. S. Arunachalam, Manager
3	Date of Commissioning	06.04.2022
4	Objections Raised by the Petitioner	
	1. Location of the outlet within 50m distance from Aiyankoilpattu PWD Lake	The outlet is located at 58m distance from the Aiyankoilpattu PWD Lake.
	2. Retail outlet site is a wetland – possibility of Contamination of ground water.	The site is coming under wet Agriculture land. There is no chance for ground water pollution due to the fuel retail outlet since there is occurrence of clay soil to a considerable depth within the sub surface which will act as barrier both for seepage and transmission of ground water from one place to another place. Copy of letter from Executive Engineer, WRO ground water division is enclosed.
Compliance of guidelines of CPCB issued on 07.01.2020 and addendum on 16.09.2021 for setting up of new Petrol pumps:		
1	Point No: (H) in Guidelines for setting up of new Petrol Pumps: Siting criteria of Retail Outlets: In case of siting criteria for petrol pumps	The retail outlet is located at 58m from the bank of PWD lake. No schools, hospitals and residential area is located within 30m.

	<p>new Retail Outlets shall not be located within a radial distance of 50 meters (from fill point/dispensing units/ vent pipe whichever is nearest) from schools, hospitals (10 beds and above) and residential areas designated as per local laws. In case of constraints in providing 50 meters distance, the retail outlet shall implement additional safety measures as prescribed by PESO. In no case the distance between new retail outlet from schools, hospitals (10 beds and above) and residential area designated as per local laws shall be less than 30 meters. No high tension line shall pass over the retail outlet.</p>	<p>No high tension line is passing over the retail outlet.</p>
2	<p>Point No: (B) in Addendum to Guidelines for setting up of new Petrol Pumps.</p> <p>Retail Outlets coming within 50 meter to 100 meter from the nearest point of surface water body shall have secondary containment by way of double walled tanks or concrete protection walls around Underground Storage Tank (UST).</p>	<p>Concrete bottom with brick masonry with plastering around the tank is provided.</p>
3	<p>Point No: (D) in Addendum to Guidelines for setting up of new Petrol Pumps.</p> <p>Groundwater and soil quality monitoring shall also be conducted by OMCs before installation of the new fuel retail outlet, for those retail outlets coming up within 100 meter from the nearest point of surface water bodies.</p>	<p>The BPCL retail outlet has not conducted the ground water and soil quality analysis before the installation. However, during inspection, the BPCL retail outlet was requested to conduct the Soil test and Ground water quality test and furnish the test report. Accordingly, the BPCL retail outlet has conducted samples analysis on 16.8.2022 and the test report was received on 29.8.2022 (Copy of analysis report is enclosed).</p>


 District Environmental Engineer
 Tamilnadu Pollution Control Board
 Villupuram


 Executive Engineer, PWD, WRO,
 Groundwater Division,
 Cuddalore


 District Collector,
 Villupuram



CIN : U74999TN2008PTC067568

www.ctllabs.in

www.foodenvironmenttesting.com

TEST REPORT

Report Number and date	CTL/CH/N-07889/2022-23 & 26.08.2022		
Sample Number	N-07889/22-23		
Customer Name & Address	M/s. Bharat Petroleum Corporation Limited (Trichy Territory),		
	New Survey No.73/2 A1, Ayyankoil Pattu Village, Vikaravandi(Tk), Villupuram (Dt)-605 601.		
SAMPLE DETAILS			
Sample Description By Customer	Soil		
Quantity Received	5Kg	Sampled By	Customer
Date of Receipt	13.08.2022	Sample Condition	Good & Received in Packed Condition
Analysis Starting Date	16.08.2022	Analysis Completion Date	25.08.2022

Test Results:

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

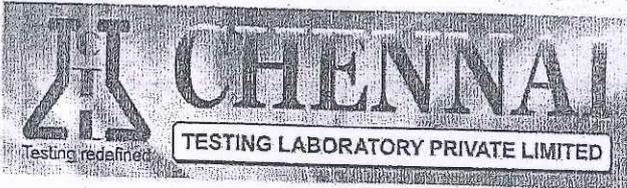
S. NO	PARAMETERS	METHOD	UNITS	RESULTS
1	Poly Aromatic Hydrocarbons(PAH's)			
	Naphthalene	CTL/SOP/SOIL /021-2014	mg/kg	BDL(DL:1.0)
	Acenaphthylene		mg/kg	BDL(DL:1.0)
	2-Bromo-Naphthalene		mg/kg	BDL(DL:1.0)
	Acenaphthene		mg/kg	BDL(DL:1.0)
	Fluorene		mg/kg	BDL(DL:1.0)
	Phenanthrene		mg/kg	BDL(DL:1.0)
	Anthracene		mg/kg	BDL(DL:1.0)
	Pyrene		mg/kg	BDL(DL:1.0)
	Fluoranthene		mg/kg	BDL(DL:1.0)
	Chrysene		mg/kg	BDL(DL:1.0)
	Benz[a]anthracene		mg/kg	BDL(DL:1.0)
	Benzo[a]pyrene		mg/kg	BDL(DL:1.0)
	Benzo[b]fluoranthene		mg/kg	BDL(DL:1.0)
	Benzo[ghi]perylene		mg/kg	BDL(DL:1.0)
Dibenz[a,h]anthracene	mg/kg		BDL(DL:1.0)	
Indeno[1,2,3-cd]pyrene	mg/kg	BDL(DL:1.0)		

For Chennai Testing Laboratory Pvt Ltd

A. Rajkumar

Authorised Signatory
A. RAJKUMAR
Technical Manager
(CHEMICAL)

The Report shall not be used to malign, defame and for any malicious purpose.
The Report is meant only for your use of the substance so promote higher over business.



CIN : U74999TN2008PTC067568

www.ctllabs.in

www.foodenvironmenttesting.com

TEST REPORT

Report Number and date	CTL/CH/N-07889/2022-23 & 26.08.2022
------------------------	-------------------------------------

S.NO	PARAMETERS	METHOD	UNITS	RESULTS
2	Petroleum Hydrocarbons:			
	Decane	CTL/SOP/SOIL /124-2014	mg/kg	BDL(DL:0.5)
	Docosane		mg/kg	BDL(DL:0.5)
	Dodecane		mg/kg	BDL(DL:0.5)
	Dotriacontane		mg/kg	BDL(DL:0.5)
	Eicosane		mg/kg	BDL(DL:0.5)
	Hexacosane		mg/kg	BDL(DL:0.5)
	Hexadecane		mg/kg	BDL(DL:0.5)
	Hexatriacontane		mg/kg	BDL(DL:0.5)
	Octacosane		mg/kg	BDL(DL:0.5)
	Octadecane		mg/kg	BDL(DL:0.5)
	Octane		mg/kg	BDL(DL:0.5)
	Octatriacontane		mg/kg	BDL(DL:0.5)
	Tetracontane		mg/kg	BDL(DL:0.5)
	Tetracosane		mg/kg	BDL(DL:0.5)
	Tetradecane		mg/kg	BDL(DL:0.5)
Tetratriacontane	mg/kg		BDL(DL:0.5)	
Triaccontane	mg/kg	BDL(DL:0.5)		
3	BTEX	CTL/SOP/SOIL /036-2014	mg/kg	BDL(DL:0.5)
4	Methyl Tertiary Butyl Ether	CTL/SOP/SOIL /042-2014	mg/kg	BDL(DL:0.5)

BDL - Below Detection Limit; DL - Detection limit

END OF REPORT

For Chennai Testing Laboratory Pvt Ltd

A. Raj Kumar

Authorised Signatory

A. RAJKUMAR
Technical Manager
(CHEMICAL)

Page 2 of 2

The Report shall not be used to mislead, deceive and for any malicious purpose.
The Report is meant only for the use of the addressee to carry out his/her own business.



Glens Innovation Labs Pvt Ltd.

NABL ACCREDITED AS PER ISO/IEC 17025 : 2017, CERTIFIED AS PER ISO 9001:2015 & ISO 45001 : 2018

TEST REPORT

Report No : MI22080014-01 Report Date : 23 Aug 2022

SAMPLE NOT DRAWN BY LABORATORY

Customer Name : M/S. Bharat Petroleum Corporation Limited, Trichy Territory
 Customer Address : A.R.Damodaramudalir & co , Dealers : BPCL,73/2A1 Ayyankoilpattu, VPM to Chennai Highway, Vikravandi taluk, Villupuram-605601

Sample Name : Soil

Sample Description : Soil

Sample No : MI22080014-01

Sample Identification : Soil Sample collected from borehole near the site premises of fuel retail outlet adjacent to the under ground storage tank. The depth of the borehole is 4.5m from the existing ground level. Also the sample are collected from within 30feet from rear side and exit side of the underground storage tank.

Sample Received on : 16 Aug 2022

Sample Condition : Fit for Analysis

Test Started on : 16 Aug 2022

Sample Quantity : 5 kg

Test Completed on : 23 Aug 2022

Test result

S.No	Test Name	Test Method	Results	Units
1	VOC	GL/EN-INS/SOP/33	BLQ(LOQ:0.02)	mg/kg
2	TPH	GL/EN-INS/SOP/39	0.77	mg/kg
3	PAH	GL/EN-INS/SOP/34	BLQ(LOQ:0.05)	mg/kg

Note: BLQ-Below Limit of Quantification, LOQ-Limit of Quantification

.....End of Report.....

TPH - Total Petroleum Hydrocarbon

PAH - Poly aromatic Hydrocarbon

Authorized Signature
 E. PRITHVI RAJAN
 Senior Analyst

#6/1,1st Floor, Sri Jothi Complex, Murugesan Street, Belavinayagar Nagar,Arumbakkam, Chennai - 600106.

Terms and Conditions:
 * The Test Results Relate only to the items tested.* The Test Report Shall not be reproduced in full or part without the written approval of BVL.* The test items will not be retained for more than 15 days from the date of issue of test report except in the case as required by the application regulations.* The Laboratory's Responsibility under this report is limited to proven skillful negligence and will in no case be more than the invoiced amount.
 * A Satisfactory test report in no way implies that the product(s) tested is approved by NABL.* Laboratory is not responsible for the authenticity of photocopied test reports.
WARNING: Attention is drawn to the limitations of the Liability, indemnification and jurisdictional issues established there in any holder of their document is advised that information contained hereon reflect the company's findings at the time of its intervention only and within the limits of client's instructions. If any. The company's sole responsibility is to its client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction document.

Date	Description	Particulars	Amount
1911	To Balance		1000
1912	By Cash		500
1913	To Cash		200
1914	By Cash		300



CHENNAI SUPREME-TECHNO RESEARCH CLINIC Pvt. Ltd.

Plot no: 25, Gita Garden, Nallambakkam Village, Chengalpattu, Kanchipuram District, Tamil Nadu – 600048; Mobile: 90806 91277 / 86829 88481; Email: office.cstrc@gmail.com / venkatesh.cstrc@gmail.com / sridhar.cstrc@gmail.com; Website: www.cstrc.in

An ISO/IEC – 17025:2017 Accredited by AIAO-BAR, ISO 9001: 2015 Certified Approved by Govt. of Tamilnadu, Dept. of Industries & Commerce.



7

J.O / T.R. No : 043

Date : 24.08.2022

CHEMICAL PARAMETERS				
S no.	PARAMETERS	Requirement as per IS: 10500 : 2012 Max	Permissible limits in absence of alternate source (Max)	Observations
8.	Total Hardness (as CaCO ₃)	200 mg/l	600 mg/l	324 mg/l
9.	Calcium (as Ca)	75 mg/l	200 mg/l	42 mg/l
10.	Magnesium (as Mg)	30 mg/l	100 mg/l	8 mg/l
11.	Manganese (as Mn)	0.10 mg/l	0.30 mg/l	0.03 mg/l
12.	Chloride (as Cl)	250 mg/l	1000 mg/l	268 mg/l
13.	Sulphate (as SO ₄)	200 mg/l	400 mg/l	151 mg/l
14.	Iron (as Fe)	0.3 mg/l	No relaxation	0.01 mg/l
15.	Nitrate (NO ₃)	45 mg/l	No relaxation	32 mg/l
16.	Silica (as SiO ₂)	-	-	2.4 mg/l
17.	Fluoride (as F)	1.0 mg/l	1.5 mg/l	0.07 mg/l
18.	Free ammonia (as NH ₃)	0.5 mg/l	No relaxation	0.01 mg/l
19.	Sodium (as Na)	-	-	0.01 mg/l
20.	Potassium (as K)	-	-	<0.01 mg/l
21.	Free residual chlorine	0.2 mg/l	1 mg/l	0.01 mg/l

YOUR QUALITY OUR RESPONSIBILITY

www.cstrc.in



CHENNAI SUPREME-TECHNO RESEARCH CLINIC Pvt. Ltd.

Plot no: 25, Gita Garden, Nallambakkam Village, Chengalpattu, Kanchipuram District, Tamil Nadu – 600048; Mobile: 90806 91277 / 86829 83481; Email: office.cstrc@gmail.com / venkatesh.cstrc@gmail.com / sridhar.cstrc@gmail.com; Website: www.cstrc.in

An ISO/IEC – 17025:2017 Accredited by AIAO-BAR, ISO 9001: 2015 Certified Approved by Govt. of Tamilnadu, Dept. of Industries & Commerce.



J.O / T.R. No : 043
Date : 24.08.2022

TEST REPORT

ON WATER SAMPLE

To
M/s. BPCL, Trichy Territory
#73/2A1, Ayyankoilpatttu, Vpm to Chennai Highway,
Vikravandi taluk, Villupuram – 605601.

Project / Site *	: A.R.Damodaramudalir & Co., Dealers: Bharat Petroleum Corporation Ltd.,
Customer's Reference *	: No.Nil.Dt.24.08.2022
Nature of test	: Physical / Chemical / Micro
Technical Reference	: IS: 10500, IS: 3025, IS: 1622-1981 (RA 2009)

PHYSICAL PARAMETERS

S no.	PARAMETERS	Requirement as per IS: 10500 : 2012 Max	Permissible limits in absence of alternate source (Max)	Observations
1.	Appearance	-	-	Colorless
2.	Colour, Hazen units	5	5	3.0
3.	Odour	Agreeable	Agreeable	Agreeable
4.	Electrical Conductivity Micro mho/cm	-	-	1946 μ s/cm ²
5.	Turbidity, NT Unit	1	5	3.25
6.	Total dissolved Solids mg/l	500 mg/l	200 mg/l	973 mg/l
7.	PH Value	6.5 to 8.5	No relaxation	7.67

YOUR QUALITY OUR RESPONSIBILITY

www.cstrc.in



CHENNAI SUPREME-TECHNO RESEARCH CLINIC Pvt. Ltd.

Plot no: 25, Gita Garden, Nallambakkam Village, Chengalpattu, Kanchipuram District, Tamil Nadu - 600048; Mobile: 90806 91277 / 88829 88481; Email: office.cstrc@gmail.com / venkatesh.cstrc@gmail.com / sridhar.cstrc@gmail.com; Website: www.cstrc.in

An ISO/IEC - 17025:2017 Accredited by AIAO-BAR, ISO 9001: 2015 Certified Approved by Govt. of Tamilnadu, Dept. of Industries & Commerce.



J.O / T.R. No : 043

Date : 24.08.2022

MICROBIOLOGICAL EXAMINATION IS: 1622-1981 (RA 2009)			
S no.	PARAMATERS	Requirement as per IS: 10500 : 2012 Max	Observations
22.	Total colony count 22°C CFU/ML	100	53
23.	Coliforms	Absent	Absent
24.	Faecal Coliforms	Absent	Absent
25.	E.Coli	Absent	Absent
26.	Faecal Streptococci	Absent	Absent
27.	Staphylococcus aureus	Absent	Absent
28.	Salmonella sp	Absent	Absent
29.	Shigella sp	Absent	Absent
30.	Vibrio sp	Absent	Absent

Note :

1. The results relate only to the above sample/s as received.
2. Report shall not be reproduced, except in full, without the written approval of the laboratory.
3. * Details as furnished by the client & Samples as supplied by the client.
4. Any Clarifications / Complaints of this report should be made in writing within 15 days from the date of Test Report.

for CHENNAI SUPREME TECHNO RESEARCH CLINIC Pvt. Ltd.,

(V. Sridhar)

Technical Director



YOUR QUALITY OUR RESPONSIBILITY

www.cstrc.in

**BEFORE THE NATIONAL GREEN
TRIBUNAL
PRINCIPAL BENCH, NEW DELHI
(Through Video Conferencing)**

Original Application No. 334 of 2022 (PB)

R Chandracoumar

...Applicant

Versus

State of Tamil Nadu

...Respondent

**INSPECTION REPORT OF THE JOINT
COMMITTEE FORMED TO INSPECT
THE BPCL RETAIL OUTLET SITE AT
AIYANKOVILPATTU, VIKRAVANDI,
VILLUPURAM DISTRICT.**

Date:12.09.2022.

Date of hearing on:26.09.2022