

**BEFORE THE HON'BLE NATIONAL GREEN TRIBUNAL SOUTHERN  
ZONE, CHENNAI CIRCUIT BENCH**

**APPLICATION NO.20 OF 2016(SZ)**

Applicant(s) :: Sri. Santo P.L.  
S/o. P.D Louis  
Pellissery House, Edakunni  
& Others

Respondents :: The State of Kerla represented by the  
Chief Secretary & Others

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Rema Smrithi VK  
Standing Counsel for KSPCB  
Respondent 4

Dated this the 18<sup>th</sup> day of January, 2024.



**FOURTH RESPONDENT**

**SUCHITRA V.  
Environmental Engineer**



**BEFORE THE HON'BLE NATIONAL GREEN TRIBUNAL SOUTHERN  
ZONE, CHENNAI**

**Application no. OA 20 of 2016 (SZ)**

Applicant(s) : Mr. Santo P.L. Thrissur & others

Vs.

Respondents : The State of Kerala & Others

**REPORT FILED BY THE ENVIRONMENTAL ENGINEER,  
KERALA STATE POLLUTION CONTROL BOARD,  
DISTRICT OFFICE, THRISSUR, THE 4<sup>th</sup> RESPONDENT**

1. In the previous report dated 29.11.23, submitted to the Hon'ble NGT, it was reported that samples from 11 units were collected and forwarded to Central Laboratory of the Board at Ernakulam for the analysis of Nickel and Lead . The results of analysis of the treated samples are furnished in the table below.

Sl. No.	Name of the Unit	Nickel (mg/l)	Lead (mg/l)
1	M/s Honest Electro colouring	0.83	BDL
2	M/s DOT Engineering	2.31	BDL
3	M/s Pee Gee Gold Covering	27.32	BDL
4	M/s Indu Ornaments	BDL	BDL
5	M/s Mini Job Works (Aiswarya Gold Covering)	0.46	BDL
6	M/s Bee Pee Gold Imitations	BDL	BDL
7	M/s Rajesh Kumar Electroplating	BDL	BDL

8	M/s Golden View Plating	47.5	BDL
9	M/s Renu Gold Covering	BDL	BDL
10	M/s Three Star Electroplating	0.05	BDL
11	M/s Two Star Designs Gold Covering	0.08	BDL

- The limit prescribed by the Board for Nickel and Lead in treated effluent are 3mg/l and 0.1 mg/l respectively. From the results, it is observed that the concentration of Lead is within the limit in all the samples, where as the concentration of Nickel is within the limit in all 9 samples and is exceeding in two samples (Pee Gee Gold Covering and Golden View Plating). True copy of the analysis report dated 29.11.23 is marked and produced herewith as Annexure R4 (a).
- Accordingly, the two units Pee Gee Gold Covering and Golden View Plating were instructed vide this office letters dated 21.12.23 to bring the concentrations within the limit. True copy of the letters are marked and produced herewith as Annexure R4 (b) and Annexure R4 (c) respectively.
- The units replied to this office instructions and inspection was again conducted to the two units on 10.01.2024. True copy of the reply letters are marked and produced herewith as Annexure R4 (d) and Annexure R4 (e) respectively. The units were working at the time of inspection and treated water samples were collected for analysis. The samples were forwarded to Central Laboratory of the Board at Ernakulam for the analysis of Nickel and Lead. The results are furnished below.

Sl. No.	Name of the Unit	Nickel (mg/l)	Lead (mg/l)
1	Pee Gee Gold Covering	BDL	BDL
2	Golden View Plating	BDL	BDL

True copy of the analysis report dated 15.01.24 is marked and produced herewith as Annexure R4(f).

5. It is humbly submitted that the effluent treatment plants provided in the above 11 units are found to be satisfactory and facility for reuse of treated effluent is provided and is being used in all the units.

*Dated this the 18<sup>th</sup> day of January 2024*



A handwritten signature in blue ink, appearing to read "Suchitra V. V.", written over a horizontal line.

**FOURTH RESPONDENT**

**SUCHITRA V. V.**  
**Environmental Engineer**

BEFORE THE HON'BLE NATIONAL GREEN TRIBUNAL SOUTHERN ZONE, CHENNAI  
CIRCUIT BENCH  
APPLICATION NO.20 OF 2016(SZ)

Applicant(s) :: Sri. Santo P.L.  
S/o. P.D Louis  
Pellissery House, Edakunni & Others

Respondents :: The State of Kerala represented by the Chief Secretary & Others

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Dated this the 18<sup>th</sup> day of January 2024.



  
**FOURTH RESPONDENT**  
**SUCHITRA V.**  
**Environmental Engineer**



0A 20

## KERALA STATE POLLUTION CONTROL BOARD CENTRAL LABORATORY

കേരള സംസ്ഥാനമലിനീകരണ നിയന്ത്രണ ബോർഡ്

കേന്ദ്ര പരീക്ഷണശാല

An Environmental Laboratory recognised under E(P)A 1986



Certificate No.  
TC 8525

Ref. PCB/CL/AR/2009

Date: 29.11.2023

From

The Chief Environmental Scientist



To

The Environmental Engineer,  
Kerala State Pollution Control Board,  
District Office, Thrissur.

Sub: Analysis Report of water samples – reg

Sir,

I am enclosing here with the analysis report of the water samples received from that office. The bill for the analysis charge is also enclosed herewith. The details are given below:

Sl. No	That Office Reference	Source Name	No. of Samples
1	PCB/TSR/GEN/96/2014 dated 14.11.2023	Effluent Samples NGT	15

Yours faithfully,

*[Signature]*  
CHIEF ENVIRONMENTAL SCIENTIST

Encl: As above.



**KERALA STATE POLLUTION CONTROL BOARD  
CENTRAL LABORATORY**

**കേരള സംസ്ഥാന മലിനീകരണ നിയന്ത്രണ ബോർഡ്  
കേന്ദ്ര പരീക്ഷണശാല**

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TC 8525

**TEST REPORT**

<b>Analysis Report No.</b>	PCB/CL/839/2023-24	<b>Date</b>	28.11.2023	<b>Format No.</b>	PCB/CL/CH/F-7
<b>Ref. No.</b>	PCB/TSR/GEN/96/2014 dated 14.11.2023	<b>Date of Collection</b>	13.11.2023		
<b>Received From</b>	District Office, Thrissur	<b>Date of Receipt</b>	14.11.2023		
<b>No. of Sample</b>	11	<b>Period of Analysis</b>	15.11.2023 – 29.11.2023		
<b>Source</b>	Effluent Samples NGT	<b>Scientist-in-charge</b>	Dr. Josemin		
<b>Sample Condition</b>	Fit for analysis	<b>Sample Type</b>	Water samples		
<b>Sample collected by</b>	The Environmental Engineer, District Office, Thrissur	<b>Sample volume &amp; container type</b>	Plastic Can		
<b>Sample preservation</b>	As per APHA/IS:3025 (Part-1)	<b>Type of Test</b>	CHEMICAL		

**SAMPLE ID: HEC T** - *Honest Electro colouring*

Sl. No	Parameters	Unit	Value	Test Method	Detection Limit
1	Manganese	mg/L	0.36	APHA,3111-B, 23 <sup>rd</sup> Ed., 2017	0.05 mg/L
2	Nickel	mg/L	0.83	APHA, 3111-B, 23 <sup>rd</sup> Ed., 2017	0.05 mg/L
3	Lead	mg/L	BDL	APHA, 3111-B, 23 <sup>rd</sup> Ed., 2017	0.05 mg/L

**SAMPLE ID: PGC T** *PerGee Gold covering*

Sl. No	Parameters	Unit	Value	Test Method	Detection Limit
1	Manganese	mg/L	BDL	APHA,3111-B, 23 <sup>rd</sup> Ed., 2017	0.05 mg/L
2	Nickel	mg/L	27.32	APHA, 3111-B, 23 <sup>rd</sup> Ed., 2017	0.05 mg/L
3	Lead	mg/L	BDL	APHA, 3111-B, 23 <sup>rd</sup> Ed., 2017	0.05 mg/L

**SAMPLE ID: TSE T** *Three star Electroplating*

Sl. No	Parameters	Unit	Value	Test Method	Detection Limit
1	Manganese	mg/L	BDL	APHA,3111-B, 23 <sup>rd</sup> Ed., 2017	0.05 mg/L
2	Nickel	mg/L	0.05	APHA, 3111-B, 23 <sup>rd</sup> Ed., 2017	0.05 mg/L
3	Lead	mg/L	BDL	APHA, 3111-B, 23 <sup>rd</sup> Ed., 2017	0.05 mg/L

SAMPLE ID: BGC T

*Bee Pee Gold Imitation*

Sl. No	Parameters	Unit	Value	Test Method	Detection Limit
1	Manganese	mg/L	BDL	APHA,3111-B, 23 <sup>rd</sup> Ed., 2017	0.05 mg/L
2	Nickel	mg/L	BDL	APHA, 3111-B, 23 <sup>rd</sup> Ed., 2017	0.05 mg/L
3	Lead	mg/L	BDL	APHA, 3111-B, 23 <sup>rd</sup> Ed., 2017	0.05 mg/L

SAMPLE ID: DE T

*DOT Engineers*

Sl. No	Parameters	Unit	Value	Test Method	Detection Limit
1	Manganese	mg/L	0.34	APHA,3111-B, 23 <sup>rd</sup> Ed., 2017	0.05 mg/L
2	Nickel	mg/L	2.31	APHA, 3111-B, 23 <sup>rd</sup> Ed., 2017	0.05 mg/L
3	Lead	mg/L	BDL	APHA, 3111-B, 23 <sup>rd</sup> Ed., 2017	0.05 mg/L

SAMPLE ID: IO

*Indu ornaments*

Sl. No	Parameters	Unit	Value	Test Method	Detection Limit
1	Manganese	mg/L	BDL	APHA,3111-B, 23 <sup>rd</sup> Ed., 2017	0.05 mg/L
2	Nickel	mg/L	BDL	APHA, 3111-B, 23 <sup>rd</sup> Ed., 2017	0.05 mg/L
3	Lead	mg/L	BDL	APHA, 3111-B, 23 <sup>rd</sup> Ed., 2017	0.05 mg/L

SAMPLE ID: RKE

*Rakesh kumar electroplating*

Sl. No	Parameters	Unit	Value	Test Method	Detection Limit
1	Manganese	mg/L	5.48	APHA,3111-B, 23 <sup>rd</sup> Ed., 2017	0.05 mg/L
2	Nickel	mg/L	BDL	APHA, 3111-B, 23 <sup>rd</sup> Ed., 2017	0.05 mg/L
3	Lead	mg/L	BDL	APHA, 3111-B, 23 <sup>rd</sup> Ed., 2017	0.05 mg/L

SAMPLE ID: AGC

*Ashwary & Gold lowering*

Sl. No	Parameters	Unit	Value	Test Method	Detection Limit
1	Manganese	mg/L	0.14	APHA,3111-B, 23 <sup>rd</sup> Ed., 2017	0.05 mg/L
2	Nickel	mg/L	0.46	APHA, 3111-B, 23 <sup>rd</sup> Ed., 2017	0.05 mg/L
3	Lead	mg/L	BDL	APHA, 3111-B, 23 <sup>rd</sup> Ed., 2017	0.05 mg/L

SAMPLE ID: RGC

*Renu gold covering*

Sl. No	Parameters	Unit	Value	Test Method	Detection Limit
1	Manganese	mg/L	BDL	APHA,3111-B, 23 <sup>rd</sup> Ed., 2017	0.05 mg/L
2	Nickel	mg/L	BDL	APHA, 3111-B, 23 <sup>rd</sup> Ed., 2017	0.05 mg/L
3	Lead	mg/L	BDL	APHA, 3111-B, 23 <sup>rd</sup> Ed., 2017	0.05 mg/L

SAMPLE ID: TSD

*Two star Design Gold Covering*

Sl. No	Parameters	Unit	Value	Test Method	Detection Limit
1	Manganese	mg/L	0.18	APHA,3111-B, 23 <sup>rd</sup> Ed., 2017	0.05 mg/L
2	Nickel	mg/L	0.08	APHA, 3111-B, 23 <sup>rd</sup> Ed., 2017	0.05 mg/L
3	Lead	mg/L	BDL	APHA, 3111-B, 23 <sup>rd</sup> Ed., 2017	0.05 mg/L

SAMPLE ID: GVP

*Golden View plating*

Sl. No	Parameters	Unit	Value	Test Method	Detection Limit
1	Manganese	mg/L	8.0	APHA,3111-B, 23 <sup>rd</sup> Ed., 2017	0.05 mg/L
2	Nickel	mg/L	47.5	APHA, 3111-B, 23 <sup>rd</sup> Ed., 2017	0.05 mg/L
3	Lead	mg/L	BDL	APHA, 3111-B, 23 <sup>rd</sup> Ed., 2017	0.05 mg/L

--End of Report--

Checked By

*Shabeena*  
**SHABEENA P.S**  
 Assistant Scientist

Authorised By

*Josemin*  
**Dr. JOSEMIN**  
 Environmental Scientist

Note: The test results relate only to the sample submitted for analysis and it shouldn't be reproduced except in full without the written permission of the authorised signatory of the lab.



കേരള സംസ്ഥാന മലിനീകരണ നിയന്ത്രണ ബോർഡ് 5  
 മജസ്റ്റിക് സ്ക്വയർ, മൂന്നാം നില, പരവട്ടാനി, ഒല്ലൂക്കര പി.ഒ., തൃശ്ശൂർ-680655  
**KERALA STATE POLLUTION CONTROL BOARD**  
 majestic Square, 3<sup>rd</sup> Floor, Paravattani, Ollukkara P.O., Thrissur-680655- olc

PCB/TSR/IC/3844/2012

Date: 21.12.2023

From

Environmental Engineer

To

M/s Pee Gee Gold Covering Works  
 Major Industrial Estate  
 Ollur, Thrissur

KERALA STATE POLLUTION CONTROL BOARD  
 DISTRICT OFFICE, THRISSUR

DESPATCHED ON 22/12/2023.  
 മനോജ്

Sub:- Analysis of treated effluent - reg.

Ref:- Inspection conducted on 13.11.2023

Sir,

The analysis results of treated effluent samples collected during the inspection referred above shows that the concentration of parameter Nickel in the treated effluent exceeds the prescribed limit of 3mg/l. Hence you are directed to run the effluent treatment plant effectively so as to bring all the parameters within the limit prescribed by the Board. Steps taken shall be reported within 15 days to this office.



Yours faithfully,

ENVIRONMENTAL ENGINEER

Copy Received For Serial P-V [Signature]  
 22/12/2023



കേരള സംസ്ഥാന മലിനീകരണ നിയന്ത്രണ ബോർഡ്

മജസ്റ്റിക് സ്ക്വയർ, മൂന്നാം നില, പരവട്ടാനി, ഒല്ലൂക്കര പി.ഒ., തൃശ്ശൂർ-680655

**KERALA STATE POLLUTION CONTROL BOARD**

Majestic Square, 3<sup>rd</sup> Floor, Paravattani, Ollukkara P.O., Thrissur-680655- o/c

PCB/TSR/IC/2426/2011

Date: 21.12.2023

From

Environmental Engineer

KERALA STATE POLLUTION CONTROL BOARD  
DISTRICT OFFICE, THRISSUR

DESPATCHED ON 22/12/2023  
emol

To

M/s Golden View Plating  
Major Industrial Estate  
Ollur, Thrissur

Sub:- Analysis of treated effluent - reg.

Ref:- Inspection conducted on 13.11.2023

Sir,

The analysis results of treated effluent samples collected during the inspection referred above shows that the concentration of parameter Nickel in the treated effluent exceeds the prescribed limit of 3mg/l. Hence you are directed to run the effluent treatment plant effectively so as to bring all the parameters within the limit prescribed by the Board. Steps taken shall be reported within 15 days to this office.



Yours faithfully,

**ENVIRONMENTAL ENGINEER**

Copy Received

For

Joby A.P.

22-12-2023

From,

M/s. Pee Gee Gold Covering

Major Industrial Estate,

Ollur, Thrissur



Date: 05-01-2024

To,

The Environmental Engineer

Kerala State Pollution control Board,

District Office, Thrissur

Sub: Non conformation quality of Treated Effluent –Submission of remedial measures taken-regarding

Ref: That office letter No. PCB/TSR/IC 3844/2012 dt.21.12.2023

Sir,

This is to acknowledge the receipt of the letter under reference and regret to note that the nickel content in our effluent exceeds the permissible level. To remove the nickel completely, we have to increase the pH of effluent greater than 7.5 and adequate retention time has to be given for proper sedimentation of the precipitated nickel,. In our case it was not done properly and hence the value exceeded.

Now we have taken special care in pH adjustment and providing adequate retention time for proper sedimentation of nickel so that this failure will not be there in future.

PEE GEE GOLD COVERING

PROPRIETOR

Yours Faithfully

AE

5/1

0062  
05/01/2024

From,  
Golden view Plating  
Major Industrial Estate,  
Ollur, Thrissur



Date: 05-01-2024

To,  
The Environmental Engineer  
Kerala State Pollution control Board,  
District Office, Thrissur

Sub: Non conformation quality of Treated Effluent –Submission of remedial measures taken-regarding

Ref: That office letter No. PCB/TSR/IC 2426/2011 dt.21.12.2023

Sir,

This is to acknowledge the receipt of the letter under reference and regret to note that the nickel content in our effluent exceeds the permissible level. To remove the nickel completely, we have to increase the pH of effluent greater than 7.5 and adequate retention time has to be given for proper sedimentation of the precipitated nickel,. In our case it was not done properly and hence the value exceeded.

Now we have taken special care in pH adujstment and providing adequate rentention time for proper sedimention of nickel so that this failure will not be there in future.

Yours Faithfully

for GOLDEN VIEW PLATING  
  
Proprietrix

ACEE

Q  
5/1

0063  
05/01/2024.



**KERALA STATE POLLUTION CONTROL BOARD  
CENTRAL LABORATORY**

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Certificate No.  
TC 8525

Ref. PCB/CL/AR/2009



Date: 15.01.2024

From

The Chief Environmental Scientist

To

The Environmental Engineer,  
Kerala State Pollution Control Board,  
District Office, Thrissur.

Sub: Analysis Report of water samples – reg

Sir,

I am enclosing here with the analysis report of the water samples received from that office. The bill for the analysis charge is also enclosed herewith. The details are given below:

Sl. No	That Office Reference	Source Name	No. of Samples
1	PCB/TSR/GEN/192/2022 dated 10.01.2024	M/s. Pee Gee Gold Covering & Golden View Plating Major Industrial Estate Ollur, Thrissur	2

Yours faithfully,

**CHIEF ENVIRONMENTAL SCIENTIST**

Encl: As above.

GANDHI NAGAR, KOCHI – 682 020 ഗാന്ധിനഗർ, കൊച്ചി – 682 020

Ph : 0484 220 7781, EPABX: 0484 220 7783 – 86, Fax: 0484 – 220 7781, Mob: 9447975741

E Mail: kspcbckem@gmail.com, kspcbnwp@gmail.com Web : www.keralapcb.nic.in

Certified for OHSMS (ISO 45001:2018)



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**KERALA STATE POLLUTION CONTROL BOARD  
CENTRAL LABORATORY**



**കേരള സംസ്ഥാന മലിനീകരണ നിയന്ത്രണ ബോർഡ്  
കേന്ദ്ര പരീക്ഷണശാല**

An Environmental Laboratory recognised under E(P)A 1986

TC 8525

**TEST REPORT**

<b>Analysis Report No.</b>	PCB/CL/1033/2023-24	<b>Date</b>	15.01.2024	<b>Format No.</b>	PCB/CL/CH/F-7
<b>Ref. No.</b>	PCB/TSR/GEN/192/2022 dated 10.01.2024	<b>Date of Collection</b>	10.01.2024		
<b>Received From</b>	District Office, Thrissur	<b>Date of Receipt</b>	11.01.2024		
<b>No. of Sample</b>	2	<b>Period of Analysis</b>	11.01.2024 – 12.01.2024		
<b>Source</b>	M/s. Pee Gee Gold Covering & Golden View Plating Thrissur	<b>Scientist-in-charge</b>	Dr. Josemin		
<b>Sample Condition</b>	Fit for analysis	<b>Sample Type</b>	Water samples		
<b>Sample collected by</b>	The Environmental Engineer, District Office, Thrissur	<b>Sample volume &amp; container type</b>	Plastic Can		
<b>Sample preservation</b>	As per APHA/IS:3025 (Part-1)	<b>Type of Test</b>	CHEMICAL		

**SAMPLE ID: PG**

Sl. No	Parameters	Unit	Value	Test Method	Detection Limit
1	Nickel	mg/L	BDL	APHA, 3111-B, 23 <sup>rd</sup> Ed., 2017	0.05 mg/L
2	Lead	mg/L	BDL	APHA, 3111-B, 23 <sup>rd</sup> Ed., 2017	0.05 mg/L

**SAMPLE ID: GVP**

Sl. No	Parameters	Unit	Value	Test Method	Detection Limit
1	Nickel	mg/L	BDL	APHA, 3111-B, 23 <sup>rd</sup> Ed., 2017	0.05 mg/L
2	Lead	mg/L	BDL	APHA, 3111-B, 23 <sup>rd</sup> Ed., 2017	0.05 mg/L

--End of Report--

Checked By  
**Saaphi P.K**  
JSA

Authorised By

Dr. JOSEMIN  
Environmental Scientist

Note: The test results relate only to the sample submitted for analysis and it shouldn't be reproduced except in full without the written permission of the authorised signatory of the lab.