

## Supplementary Report

In

National Green Tribunal (CZ)

**O.A. 82 of 2022 Order dated 10.01.2023**

In the matter of

**Dr. Subhash C. Pandey Vs. State of Madhya Pradesh & Ors.**

## Supplementary Report

(In compliance of NGT O.A. 82 of 2022 order dated 10.01.2023)

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 17.7.2023

(Sunil Kumar Meena)

Scientist D

Central Pollution Control Board

Regional Directorate, Bhopal (M.P.)

## **Supplementary Report**

In NGT O.A. 82 of 2022, Order dated 10.01.2023 in the matter of “Dr. Subhash C. Pandey Vs. State of Madhya Pradesh & Ors.”

### **Background:**

The Original Application No. 82 of 2022 was filed before the Hon’ble National Green Tribunal, Central Zonal Bench at Bhopal against the operation of Cruise in Upper Lake, Bhopal and also challenging the launching of several Cruises in various other water bodies in Madhya Pradesh.

In this regard M.P.P.C.B. had submitted Action Taken Report on 22.11.2022. The Applicant being aggrieved by the Action Taken Report, filed an Objection to the same and also filed an application to implead the C.P.C.B. as Respondent No. 10 in the Petition for proper adjudication. The Hon’ble Tribunal (CZ) accordingly directed the C.P.C.B. vide Order dated 10.01.2023 as under:

*“In view of the above facts, we deem it just and proper to call an independent report from the CPCB. CPCB at its own convenience may co-opt Expert Members as required by them and submit the factual and action taken report with regard to the compliance of the rules and Govt. orders.”*

Pursuant to the above, CPCB, Regional Directorate, Bhopal conducted a detailed study of Upper Lake, Bhopal during 6<sup>th</sup> – 7<sup>th</sup> February, 2023 and submitted the report before Hon’ble NGT on time.

During the above study sediment samples were also collected from six different locations. The samples were submitted to Indian Institute of Soil Science, Bhopal for extraction and sent the extracted samples to CPCB, Head office for analysis of Heavy Metals. The analysis report was awaited while submission of the study report. During the survey of Upper Lake, sediment samples were collected from 6 different locations and the details of the same is as below:

<b>A. Sediment sampling</b>			
<b>S. No.</b>	<b>Location</b>	<b>Latitude</b>	<b>Longitude</b>
1.	Cruise Parking Area of upper lake	23.243212	77.38116
2.	Mid-stream of upper lake	23.254232	77.382897
3.	Upper Lake Near Water Supply Intake Well Yatch Club	23.244941	77.386945
4.	Upper Lake At Water Supply Intake Well Near Kamla Park	23.249952	77.393756
5.	Upper Lake Near Water Supply Intake Well Near Karbala	23.258062	77.382858
6.	Upper Lake Near Water Supply Intake Well Bairagarh	23.255211	77.348082

A. The collected samples were digested by IISS and the digested samples were then sent to CPCB, HO for analysis. The analysis report was carried out for following 9 parameters i.e., Cadmium, Cobalt, Copper, Chromium, Iron, Manganese, Nickel, Lead & Zinc. The analysis report is enclosed as **Annexure-I**

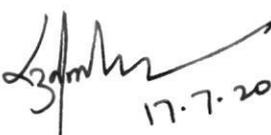
The results of the sediment samples collected from 6 locations are as given below:

<b>S. No.</b>	<b>Sampling location</b>	<b>Cd (mg/L)</b>	<b>Co (mg/L)</b>	<b>Cr (mg/L)</b>	<b>Cu (mg/L)</b>	<b>Fe (mg/L)</b>	<b>Mn (mg/L)</b>	<b>Ni (mg/L)</b>	<b>Pb (mg/L)</b>	<b>Zn (mg/L)</b>
1.	Cruise Parking Area of upper lake	BDL	0.033	0.156	0.107	76.30	1.70	0.066	0.063	0.451
2.	Mid-stream of upper lake	BDL	0.136	0.498	0.274	247	5.70	0.214	0.121	0.544
3.	Upper Lake Near Water	BDL	0.125	0.520	0.489	316.9	4.40	0.307	0.124	0.745

	Supply Intake Well Yatch Club									
4.	Upper Lake at Water Supply Intake Well Near Kamla Park	BDL	0.130	0.567	0.504	314.5	3.60	0.320	0.147	0.746
5	Upper Lake Near Water Supply Intake Well Near Karbala	BDL	0.113	0.339	0.232	198.9	5.10	0.162	0.094	0.424
6.	Upper Lake Near Water Supply Intake Well Bairagarh	BDL	0.126	0.539	0.429	313.6	3.80	0.354	0.078	0.586

The table presents the results of sediment samples collected from six different locations on Upper Lake. The concentration values listed under each sampling location represent the measured levels of the respective parameter in milligrams per liter (mg/l). The data may be interpreted, on the basis of regulatory standards.

B. While submitting the report a request letter was sent to M.P. Pollution Control Board for providing the status of cruises operating in other locations of Madhya Pradesh and monitoring status of the subsequent water bodies. With reference to the above, response received from the MPPCB. A copy of the letter dated 26.05.2023 is enclosed at **Annexure-II**. It is mentioned in the letter that the report related to the query has already been submitted to Hon'ble NGT in the same matter on 09.01.2023.

  
 17.7.2023  
**(Sunil Kumar Meena, Scientist D)**  
 Central Pollution Control Board,  
 Regional Directorate, Bhopal



केन्द्रीय प्रदूषण नियंत्रण बोर्ड  
परिवेश भवन, ईस्ट अर्जुन नगर, दिल्ली-110032  
उपकरणीय प्रयोगशाला  
धातु विश्लेषण रिपोर्ट



1.	विश्लेषण का स्थान	: उपकरणीय प्रयोगशाला
2.	रिपोर्ट सं. एवं जारी करने की तिथि	: आईएल/एचएम/आईसीपी-ओईएस/1207; 06.07.2023
3.	रिपोर्ट प्रेषित किए जाने वाले का नाम, मोब. न. एवं पता	: सीपीसीवी आरडी भोपाल
4.	संदर्भित जांच पद्धति	: आफा-3120-बी 23 वॉ एडिशन, 2017
5.	नमूने की स्थिति (कृपया वर्णन करें, यदि प्रक्रिया के अनुसार नहीं)	: प्रक्रिया के अनुसार
6.	नमूना मैट्रिक्स	: सेडिमेंट्स; (डिजेस्टड)
7.	नमूना संग्रहण करने की तिथि एवं समय	: --
8.	नमूना एकत्रित करने वाले का नाम	: आरडी भोपाल
9.	नमूना प्राप्ति की तिथि एवं समय	: 09.06.2023; 10:15 एएम
10.	नमूना पंजीकरण सं. एवं तिथि	: आईएल/एसआर-10/एचएम-07/2324; 09.06.2023
11.	नमूना विश्लेषण की तिथि	: 12.06.2023
12.	नमूना योजना संदर्भ	: --

क्र सं	रीपल कोड	कैडमियम (मिग्रा/ली)	कोबाल्ट (मिग्रा/ली)	क्रोमियम (मिग्रा/ली)	कॉपर (मिग्रा/ली)	आयरन (मिग्रा/ली)	मैंगनीज (मिग्रा/ली)	निकिल (मिग्रा/ली)	लेड (मिग्रा/ली)	ज़िंक (मिग्रा/ली)
1	ब्लॉक	बीडीएल	बीडीएल	0.054	0.011	1.093	0.016	0.015	0.006	0.427
2	एसएस/22-23/41	बीडीएल	0.033	0.156	0.107	76.30	1.70	0.066	0.063	0.451
3	एसएस/22-23/42	बीडीएल	0.136	0.498	0.274	247	5.70	0.214	0.121	0.544
4	एसएस/22-23/43	बीडीएल	0.125	0.520	0.489	316.9	4.40	0.307	0.124	0.745
5	एसएस/22-23/44	बीडीएल	0.130	0.567	0.504	314.5	3.60	0.320	0.147	0.746
6	एसएस/22-23/45	बीडीएल	0.113	0.339	0.232	198.9	5.10	0.162	0.094	0.424
7	एसएस/22-23/46	बीडीएल	0.126	0.539	0.429	313.6	3.80	0.354	0.078	0.586

## बीडीएल: निम्नतम परीक्षण की सीमा

पहचान सीमा ( $\mu\text{g/L}$ ) अपशिष्टजल : कैडमियम-2.42, कोबाल्ट-1.61, क्रोमियम-3.32, कॉपर-5.85, आयरन-1.94, मैंगनीज-0.99, निकिल-4.88, लेड-6.32 और ज़िंक-10.55

## विवरण:

- परिणाम केवल परीक्षण किए गए नमूनों से संबंधित है।
- पूर्ण रिपोर्ट के सिवाय प्रयोगशाला के लिखित अनुमोदन के बिना रिपोर्ट की प्रतिकृति नहीं की जाएगी।
- यह पैरामीटर एनएबीएल आईएसओ-17025:2017 के अंतर्गत स्वीकृति है: (सर्टिफिकेट सं.-टीसी-7723)।
- इस रिपोर्ट के जारी होने की तिथि से एक महीने तक नमूनों को संरक्षित रखा जा

*M. Anand*  
06/07/2023

(मनीष एन)

विश्लेषक

*Y. M.*  
06/07/2023

(डॉ. योगिता खरायत)

पर्यवेक्षक व पुनर्विलोकक

*K. P. Singh*  
06/07/23

(डॉ° के° रंगानाथन)

प्रभारी, उपकरणीय प्रयोगशाला

डी.ओ.सी./सी.बी./सी.एल./क्यू.आर/7.8/आईएल-5	जारी सं. 005	संशोधन सं. 05	जारी तिथि: 08.12.2020	पृष्ठ सं. 01 का 01
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CENTRAL POLLUTION CONTROL BOARD  
Parivesh Bhawan, East Arjun Nagar, Delhi-110032  
INSTRUMENTATION LABORATORY  
Metal Analysis Report



1.	Place of Analysis	: Instrumentation Laboratory
2.	Report No. & Issue Date	: IL/HM/ICP-OES/1207; 06.07.2023
3.	Report sent to (Name, Mobile no. & Address of Indenter)	: CPCB RD Bhopal
4.	Test Method Reference	: APHA, 3120-B, 23rd Ed. 2017
5.	Sample condition (please describe, if not as per procedure)	: As per procedure
6.	Sample Matrix	: Sediment sample (Digested)
7.	Date & Time of Sample Collection	: --
8.	Samples Collected by	: RD Bhopal
9.	Date & Time of Sample Receipt	: 09.06.2023; 10:15 AM
10.	Sample Registration No. & Date	: IL/SR/10/HM-07/2324; 09.06.2023
11.	Date of Sample Analysis	: 12.06.2023
12.	Sampling Plan Reference	:

S. No	Sample Code	Cd (mg/L)	Co (mg/L)	Cr (mg/L)	Cu (mg/L)	Fe (mg/L)	Mn (mg/L)	Ni (mg/L)	Pb (mg/L)	Zn (mg/L)
1	BLANK	BDL	BDL	0.054	0.011	1.093	0.016	0.015	0.006	0.427
2	SS/22-23/41	BDL	0.033	0.156	0.107	76.30	1.70	0.066	0.063	0.451
3	SS/22-23/42	BDL	0.136	0.498	0.274	247	5.70	0.214	0.121	0.544
4	SS/22-23/43	BDL	0.125	0.520	0.489	316.9	4.40	0.307	0.124	0.745
5	SS/22-23/44	BDL	0.130	0.567	0.504	314.5	3.60	0.320	0.147	0.746
6	SS/22-23/45	BDL	0.113	0.339	0.232	198.9	5.10	0.162	0.094	0.424
7	SS/22-23/46	BDL	0.126	0.539	0.429	313.6	3.80	0.354	0.078	0.586

BDL: Below Detection Limit

Detection Limit -Wastewater ( $\mu\text{g/L}$ ): Cd-2.42, Co-1.61, Cr-3.32, Cu-5.85, Fe-1.94, Mn-0.99, Ni-4.88, Pb-6.32 & Zn-10.55

Statement:

1. The Results related only to the samples tested as received.
2. The report shall not be reproduced except in full, without the written approval of the Laboratory.
3. The parameter is under the scope of NABL accreditation, ISO-17025:2017 (Certificate No.TC-7723).
4. Samples will be retained for 30 days from the date of issue of Test Report.

MANEESH N

Analyst

Dr. YOGITA KHARAYAT

Supervisor & Reviewer

Dr. K. RANGANATHAN

D H Instrumentation Lab

DOC: CB/CL/QR/7.8/IL-5	Issue No.-05	Revision No.-05	Issue Date: 08.12.2020	Page 01 of 01
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**मध्यप्रदेश प्रदूषण नियंत्रण बोर्ड,**  
**पर्यावरण परिसर, ई-5, अरेरा कॉलोनी, भोपाल-462016**



Fax No : +91-755-2463742 E-mail : it\_mppcb@rediffmail.com

कमांक 1505 /विधि/ NGT(CZ)/प्रनिबो/23  
प्रति

भोपाल, दिनांक 26 MAY 2023

✓ श्री पी. जगन,  
क्षेत्रीय निदेशक  
क्षेत्रीय निदेशालय(मध्य),  
परिवेश भवन, पर्यावरण परिसर  
ई-5, अरेरा कॉलोनी  
भोपाल

विषय :- माननीय राष्ट्रीय हरित अधिकरण, भोपाल बेंच द्वारा प्रकरण कमांक 82/2022 (डॉ. सुभाष सी पाण्डे विरुद्ध मध्यप्रदेश शासन व अन्य) के संबंध में जानकारी बावत्।

संदर्भ:- 1 आपका ई-मेल दिनांक 25.05.2023 ।  
2 आपका स्मरण पत्र कमांक 315 दिनांक 19.05.2023 ।

उपरोक्त विषयान्तर्गत लेख है कि माननीय राष्ट्रीय हरित अधिकरण, भोपाल बेंच द्वारा प्रकरण कमांक 82/2022 में संलग्न मध्यप्रदेश टूरिज्म डेवलपमेंट कॉर्पोरेशन द्वारा दिनांक 21.02.22 में उल्लेखित तालाबो का निरीक्षण व मानिट्रिंग रिपोर्ट मा. एनजीटी के समक्ष दिनांक 09.01.23 को प्रस्तुत की जा चुकी है, जो मा. एनजीटी की वेबसाईट [https://greentribunal.gov.in/sites/default/files/news\\_updates/10.1.2023%20OA%2082-REPORT.pdf](https://greentribunal.gov.in/sites/default/files/news_updates/10.1.2023%20OA%2082-REPORT.pdf) पर अपलोड है ।

अतः सुलभ संदर्भ हेतु ई-मेल पर एक प्रति भेजी जा रही है ।

संलग्न :- उपरोक्तानुसार

( आर.एस.कोरी )  
डायरेक्टर पर्यावरण(विधि)

प्रतिपि लि :-

1 क्षेत्रीय अधिकारी, क्षेत्रीय कार्यालय, म.प्र.प्रदूषण नियंत्रण बोर्ड, भोपाल की ओर सूचनार्थ ।

गान  
वर पर

NGT OA No. 82/2022 (CZ) "Dr. Subhash C. Pandey Vs. State of Madhya Pradesh & Ors."  
के संबंध में जानकारी बाबत

From: PRAKASH PATEL (p\_patel415@yahoo.com)  
To: cpcb.bhopal@gmail.com  
Cc: hsmalviya65@gmail.com; directoradm-pcb@mp.gov.in  
Date: Friday, 26 May, 2023 at 05:50 pm IST

Respected Sir,  
Please find attached herewith

Please find the related information in attachment.

Thanks and Regards,  
Prakash Patel  
MPPCB, BPE

 Status Report 82-22 order dated 28.11.22.pdf  
12 / MB