BEFORE THE HON'BLE NATIONAL GREEN TRIBUNAL
PRINCIPAL BENCH, NEW DELHI

Original Application No. 1375 OF 2024

In the matter of:

News Item titled "Four endangered crocodile found dead in Rajasthan river experts wonder if pollution to blame" appearing in the Indian Express dated 06.12.2024

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Filed by Adv. Suman Arora
On behalf of Central Pollution Control Board

Place: Delhi
Dated: 24.02.2025

BEFORE THE HON'BLE NATIONAL GREEN TRIBUNAL
PRINCIPAL BENCH, NEW DELHI

ORIGINAL APPLICATION NO. 1375 OF 2024 (PB)

IN THE MATTER OF:

News Item titled "Four endangered crocodile found dead in Rajasthan River experts wonder if pollution to blame" appearing in the Indian Express dated 06.12.2024

Date: 24th & 25th January, 2025

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Report Of The Joint Committee Constituted In Compliance With The Order Dated 19.12.2024 In The O.A. No. 1375 Of 2024 Before The Hon'ble National Green Tribunal, Principal Bench, New Delhi.

1. Background:

The Hon'ble National Green Tribunal, Principal Bench, New Delhi took cognizance of the present case based on the news article published in Indian Express dated 6.12.2024 titled "Four endangered crocodile found dead in Rajasthan River experts wonder if pollution to blame" and the same has been registered as O.A. No.1375 of 2024. The important statement made therein the news article referred therein the O.A. is furnished below:

- The newspaper reported that in 2022, 50 crocodiles died due to industrial waste pollution in Chandraloi River, Kota, State of Rajasthan.
- From the date of publication of news, prior to 6 days it is reported that 4 crocodiles around 6-7 feet long were found dead and the cause of death is attributed to industrial pollution caused to the river water.
- The crocodiles are endangered species listed under Schedule 1(c) of Wildlife (Protection) Act, 1972 and on account of water pollution the death of the crocodiles has caused.

In the above matter, Hon'ble NGT, Principal Bench, New Delhi vide its Order dated 19.12.2024 constituted a Joint Committee comprising of (i) Rajasthan State Pollution Control Board (hereinafter referred to as 'RSPCB'); (ii) Central Pollution Control Board (hereinafter referred to as 'CPCB'); (iii) Chief Wildlife Warden, State of Rajasthan; (iv) Nominee of Wildlife Institute of India, Dehradun, State of Uttarakhand through its Director, with the direction of the Committee to find out factual correctness of the information and the reasons of death of crocodiles and submit a factual report within two months. Further, in the above said Order Hon'ble NGT appointed the Central Pollution Control Board as nodal agency for coordination and compliance. Copy of the order dated 19.12.2024 of Hon'ble NGT is enclosed as **Annexure-01**.

2. Constitution of Joint Committee:

In compliance to the Order dated 19.12.2024 of Hon'ble NGT, New Delhi and based on the nominations received from the organizations concerned, a Joint

Committee has been constituted vide letter dated 23.01.2025 of CPCB comprising of the following members:

(i). Sh. Anurag Kumar Bhatnagar, Deputy Conservator of Forest, Wildlife, Kota.

(ii). Dr. Abhijit Das, Scientist-E Wildlife Institute of India, Dehradun.

(iii). Mrs. Yogyata Singh, Regional Officer, RSPCB, Kota.

(iv). Dr. Anoop Chaturvedi, Scientist-C, CPCB, Regional Directorate, Bhopal.

A copy of the Committee constitution letter dated January 23, 2025 is enclosed as **Annexure-02**.

3. Terms of reference (ToR) to the Joint Committee:

The joint committee conducted a virtual meeting on January 20, 2025, to finalize the Terms of Reference (ToR). The committee members also discussed the steps for the investigation of the matter in compliance with the Hon'ble National Green Tribunal (NGT) order dated December 19, 2024. The Terms of Reference (ToR) of the Hon'ble NGT order in the aforementioned matter include the following, among other points:

(i). **Site Inspection and Water Sampling**- The Committee shall inspect the relevant site and carry out water sampling of the Chandraloi River, industrial and domestic discharge points, and Sewage Treatment Plant (STP) outlets to assess the water quality for relevant parameters.

(ii). **Bio-monitoring and Bio Assay test**- The committee may also perform the Bio-monitoring to assess the bio-logical health condition of the river with respect to biological indicators and also collect the bio-assay samples from industrial discharge outlets.

(iii). **Committee Interaction and Report Collection**- The committee may interact with relevant stakeholders and collect information and also collect postmortem forensic reports etc. related to the crocodile's death.

(iv). **RSPCB Previous Investigation Report** - The committee may collect prior action reports from the RSPCB and Wildlife Department, if available.

4. About the Chandraloi River and Crocodile:

Chandloi River is a small, semi perineal right bank tributary of Chambal River. Chandraloi River comes out of a stream in Alania dam near Kota and shrinks into a rivulet as it passes through Keithun tehsil and outer periphery of the Kota city

for about 15 km ultimately merges into the Chambal River on the downstream of Kota near Manasgaon. During the course of its flow along the outer periphery of Kota, Kansua nalah (which carries some of the domestic sewage of Kota, treated industrial effluent and agricultural runoff) merges with the Chandraloi river and average width is 50 to 80 m. The River Chandloi recharges due to regeneration or surplus water from the Chambal Command area. In this Chandraloi River stretch Crocodiles exists along the length of the river. It's end point Kashoroipatan on the bank of Chambal.

In India, three crocodile species found to occur in the river and estuarine water systems namely the Gharial (*Gavialis gangeticus*), Mugger Crocodile (*Crocodylus palustris*) and Saltwater Crocodile (*Crocodylus porosus*). Crocodile (Crocodylus palustris) is protected under Schedule I in Indian Wildlife (Protection) Act of 1972. Among India's crocodile species, the Mugger (*Crocodylus palustris*) can grow upto 5 meters and is a highly adaptable species. After a reduction in the Gharial and due to the restricted range of Saltwater crocodiles in India, the Mugger plays a vital role as an apex predator in freshwater habitats of diverse ecosystems present in India. It is mainly distributed in Indian subcontinent countries, including majorly India, Nepal, Sri Lanka, and Pakistan, Iran, but Muggers lost much of their natural range due to habitat loss, fragmented population and poaching (Choudhury and de Silva, 2013). Hence, as per International Union for Conservation of Nature (IUCN), it was assessed as a Vulnerable species. Focus on the survival of this species is important as it has already extirpated from Bangladesh, Bhutan and Myanmar, its last refuge is majorly concentrated in major river systems of India where it is distributed in almost 15 states.

Muggers are egg layers hole-nesting species and inhabit diverse freshwater habitats, including lakes, rivers, marshes, agro-wells and artificial ponds. The species has adapted well to reservoirs, irrigation canals, man-made ponds. Though aquatic, they also require the adjoining terrestrial areas (shores and banks) of water bodies for meeting their regular basking (thermoregulatory) and seasonal breeding requirements. Crocodiles play a key role in aquatic ecosystems as top predators and maintain the aquatic ecology and healthy balanced ecosystems. Because of their specialized habitat needs in terms of habitat characteristics and water chemistry, they are also excellent indicators of aquatic biodiversity.

They are opportunistic predators of vertebrates and also act as scavengers of freshwater habitats. Muggers are known to inhabit freshwater habitats even in proximity to major industrial cities like Vadodara in Gujarat and Kota in Rajasthan. However, constraints in habitat availability, space constrain and availability of food

may contribute to various stressors to such populations. Different stressors, whether natural or anthropogenic, certainly create varied responses among individual animals, and the ability to adapt can differ significantly within a population.

The mention of muggers' crocodiles (*Crocodylus palustris*) being territorial during breeding season is particularly intriguing. It's quite possible that high population density in an area like Kota could lead to increased competition for territory, thereby raising stress levels among individuals. Factors such as availability of food, disturbance levels, and basking opportunities are crucial in creating a balanced ecosystem where wildlife can thrive.

Crocodiles have been found dead in the Chandraloi River in Kota. The deaths have raised concerns about the river's water quality and the need to protect wildlife.

5. Preliminary meeting and field visit:

In consultation with the members of the Joint Committee, a preliminary meeting of the Committee was convened on January 24, 2025 at Kota. In the said meeting all the members of the Joint Committee were present and discussed the facts and issues involved in the matter, ToR to the Committee and further course of action proposed in this matter. During visit Sh. P. Jagan Regional Director CPCB, Bhopal, Sh. Anurag Singh AEE, RSPCB Kota, Smt. Rinku Singhal SSO, RSPCB Kota and Sh. Rameshwar Bandewar SSA, CPCB Bhopal were also present. List of participants in the inspection/meeting is enclosed as **Annexure-03**.

In continuation to the preliminary meeting, subsequent site inspection of the Joint Committee was held during 24 & 25 January, 2025 to verify the factual status on the issues raised in the news article and collect the information from the alleged industries and other authorities concerned and also to carryout Water Quality monitoring and Bio-monitoring.

6. Observation of the Joint Committee on the ToR to the Committee:

Based on the deliberations held during the meeting of the Joint Committee, subsequent site inspections of the industries under question, sampling and analysis of water and documents made available to the Committee, the following observations are made on the ToR:

(i). Site Inspection and Water Sampling:

(a) The joint committee visited all the points where the incident of crocodile death was reported, the first incident reported on 30.11.2024 near Raipura

puliya, the second incident reported near Chandrasal anicut and last incident was reported near Ramkhedi puliya. To assess water quality or any probable contaminants the water samples have been collected from all the locations. The site observation of incident locations is as given below:

S.No	Location and date of incident	Co-ordinates	Site observation
01	Under the Raipura puliya 30.11.2024	Lat. 25.090441 Long. 75.534035	At this location one crocodile death was reported. This location is in the Kota city and it is near the point of confluence of Kansua nala with treated industrial effluent of M/s DCM Shriram Ltd. and M/s Shriram Rayons, Kota. The Kansua nalah carries some of the domestic sewage of Kota and joins the Chandraloi river after 5 - 6 km. Agriculture fields were observed on both sides of Kansua nalah, with wheat and seasonal vegetables cultivated. The nalah's water is utilized for irrigation through direct pumping. No crocodile was observed at this site during the visit. Lots of solid waste and few carcasses of dogs were observed.
02	Chandraloi River anicut near Chandrasal Math 1.12.2024	Lat. 25.124880 Long. 75.564655	At this location two crocodile's deaths were reported. This location is approximately 8–9 km from Kota city. It was observed that the construction of a small anicut has restricted the water flow, leading to excessive growth of water hyacinth, which in turn has hindered the movement of crocodiles. Additionally, significant amounts of solid waste have accumulated on both sides of the river. According to local residents, the river water is not used for domestic purposes but is exclusively utilized for agricultural irrigation. At this point approx. 700 to 800 grams date expired medicines (Paracetamol and

			analgesic) were found. When these substances enter water bodies, they can have harmful effects on aquatic life. Additionally, if animals ingest these expired medicines, it could lead to serious health problems for them as well. In indicate improvement required in collection of households generated medical waste in Kota. During the visit approx. 30 crocodiles of 2 feet to 7 feet size were visually observed at this site.
03	Chandraloi River bridge near Ramkhedli village 2.12.2024	Lat. 25.130491 Long. 75.5735 60	At this location one crocodile death was reported. This location is 13-15 km away from Kota city. It was observed that due to construction of small anicut flow of water and movement of crocodiles restricted here and lots of water hyacinth growing. Agriculture fields were observed on both sides of the river. During visit approx. 15 crocodiles of 2 feet to 4 feet size were visually observed.

As discussed with the local residents they believe that the deaths of the four crocodiles might be a natural occurrence and it can be affected by various factors, such as environmental changes, diseases, or even natural predation. It can be tough to pinpoint the exact reason.

(b) **Crocodiles spotted in the area**: During the site visit, following numbers of Mugger Crocodiles (*Crocodilus palustris*) were recorded from the following three points.

Location	Chandraloi River near Rail bridge	Chandraloi River near anicut	Chandraloi River near Chandresel Math
Latitude	25.212922°N	25.213664°N	25.214690°N
Longitude	75.944645°E	75.946019°E	75.947347°E
Adult (basking)	5	24	13
Sub-adult (basking)	2	3	2

Adult (in water)	2	2	3
Sub-adult (in water)	0	2	1
Total	9	31	19

Thus, it can be easily inferred that the area has a good population of muggers in proximity to human habitation. During our short site visit, committee could not gather any information regarding the breeding sites of these crocodiles in the area. Committee also not seen any juvenile and hatchlings in the area. The committee observed that local people are tolerant of the crocodile presence in the river, and man-crocodile conflicts are negligible. However, there are instances of crocodile attacks on domestic animals reported.

It is pertinent to mentioned that he Ministry of Environment, Forest and Climate Change has issued an advisory on 6th February, 202l to all States/UTs to deal with human wildlife conflict situations. The advisory recommends coordinated interdepartmental action, identification of conflict hot spots, adherence to Standard Operating Procedures, establishment of rapid response teams, and sensitization and awareness drives.

(c). **Bird Species identified**: The joint committee also observed the following Bird species during the field visit along Chandraloi River on 25th January 2025.

S.No	Common name	Scientific Name	Number (utilizing habitat)	IUCN status
1	Rock Pigeon	*Columba livia*	38	LC
2	Eurasian Moorhen	*Gallinula chloropus*	13	LC
3	Eurasian Collared-Dove	*Streptopelia decaocto*	1	LC
4	White breasted Waterhen	*Amaurornis phoenicurus*	5	LC
5	Black winged Stilt	*Himantopus himantopus*	62	LC
6	Red wattled Lapwing	*Vanellus indicus*	11	LC
7	Common Sandpiper	*Actitis hypoleucos*	6	LC
8	Green Sandpiper	*Tringa ochropus*	1	LC
9	Wood Sandpiper	*Tringa glareola*	1	LC
10	Common Redshank	*Tringa totanus*	6	LC
11	Ruff	*Calidris pugnax*	1	LC
12	River Tern	*Sterna aurantia*	1	VU
13	Glossy ibis	*Plegadis falcinellus*	1	LC
14	Black headed Ibis	*Threskiornis melanocephalus*	1	NT

15	Red naped Ibis	*Pseudibis papillosa*	1	LC
16	Indian pond heron	*Ardeola grayii*	9	LC
17	Eastern Cattle Egret	*Bubulcus coromandus*	14	NE
18	Medium Egret	*Ardea intermedia*	12	LC
19	Gray Heron	*Ardea cinerea*	3	LC
20	Purple Heron	*Ardea purpurea*	5	LC
21	Black Kite	*Milvus migrans*	4	LC
22	White throated Kingfisher	*Halcyon smyrnensis*	1	LC
23	Pied Kingfisher	*Ceryle rudis*	2	LC
24	Black drongo	*Dicrurus macrocercus*	2	LC
25	Barn Swallow	*Hirundo rustica*	48	LC
26	Wire tailed Swallow	*Hirundo smithii*	62	LC
27	Red vented Bulbul	*Pycnonotus cafer*	6	LC
28	House Sparrow	*Passer domesticus*	21	LC
29	Painted Stork	*Mycteria leucocephala*	1	NT
30	Booted Eagle	*Hieraaetus pennatus*	1	LC

International Union for Conservation of Nature (IUCN) LC-Least Concern NT-Near Threatened NE - Not Evaluated VU – Vulnerable.

(d) **Comment on deaths of 50 crocodiles:** The news article published in The Indian Express dated 06.12.2024 reported that "Four crocodiles, approximately six to seven feet long, were found dead in the Chandraloi River in Kota over the last six days. Animal rights activists have attributed these deaths to polluted water caused by industrial waste in an area where 50 crocodile deaths were recorded in 2022."

To verify this claim, the committee sought information from the Forest Department regarding crocodile deaths in the Chandraloi River and nearby areas. The response received from Forest Department vide letter dated 05.02.2025 revealed that from January 2022 to December 2024, a total of 10 crocodile deaths had been reported in the Chandraloi River and surrounding areas, including the recent four deaths. The letter provided by the Deputy Conservator of forest wildlife Kota is enclosed as **Annexure-04.**

(e) **Industrial wastewater:** The news article mentioned that industrial activities are attributing to the pollution in Chandraloi river due to which crocodiles are dying. To verify this, claim the committee identified two industries namely M/s DCM Shriram and M/s DCM Rayons Ltd who have been permitted to discharge treated industrial effluent in Knasua nala which eventually joins the Chandraloi river after traveling 5 km to 6 km. The Joint Committee visited both the industries to verify the installed waste water treatment system and its functional status.

- M/s DCM Shriram Ltd, Kota has manufacturing facilities for Fertilizer, Chloro-Alkali, Vinyl, Cement, and a captive power plant in Kota (Rajasthan). The unit has valid Consent to Operate (CTO) for production of above products. All the manufacturing units are located on the same premises and have a single discharge point for wastewater. The industry is drawing water from Right main canal of Kota Barrage. According to the unit representative, the water withdrawal permission obtained in 1962 was for 25 Cusecs, which has been reduced to 11.99 Cusecs in 2022 through continous operational efficiencies and process optimization. The actual average consumption and discharge of water were 839 m^3/Hr and 215 m^3/Hr, respectively, in 2024. The waste water generated from various processing units is being treated as per their characteristics up to primary, secondary and tertiary level. As per water balance approx. 75 percent of water recycled and remaining 25 percent discharging through common outlet in to the Kansua Nala. As per CTO condition, the unit is permitted to discharge treated wastewater up to 336.25 m^3/hr (max). The unit has installed the PTZ camera and OCEMS to monitor the discharge water quality round the clock, system connected with CPCB and RSPCB servers, and found operational during visit. The OCEMS readings noted during the visit on 25.01.2025 as pH-8.07, TSS-82.9mg/l, NH4-12.4mg/l and temperature-22.9°C. During visit the team has collected the treated wastewater at the outlet and found all the values are within limits given in the consent by RSPCB.
- M/s Shriram Rayons Ltd situated at Shriram Nagar, Kota started production in January 1965. The unit is manufacturing mainly Tyre cord fabric and it is used as reinforcement material in the tyres of high-speed cars. Additionally, it is also used in hose pipes and belts. Wood pulp, caustic & carbon di sulphide are main raw materials for manufacturing of Rayon tyre cord. The unit has Captive Power Plant, Carbon Di-Sulphide Plant, Rayon Tyre Cord Plant and Dipped fabric Plant operational inside the complex. The unit has valid Consent to Operate for all the plants. All the plants are located in the same premises and have a single discharge point for treated wastewater. This industry is also drawing water from Right main canal of Kota Barrage. As per the Consent to Operate total water consumption is 7831 KLD and the maximum effluent discharged limit after treatment is 3925 KLD. The effluent generated in all the units is collected and treated in a conventional ASP-based ETP having 10000 KLD capacity. About 1450 KLD treated effluent is recycled in the cooling towers/ETP chemical preparation, cleaning of plant & machineries and horticulture. As informed by the plant head that the industry has proposed to install 350 KLD ZLD plant. As per the reading of flow meter

at the time of visit approx. 140.2 m3/hr or 3364 KLD treated wastewater was being discharged. During visit the team had collected sample of treated wastewater at the final outlet and found all the values are within limits given in the CTO by RSPCB. The unit has installed the PTZ camera and OCEMS to monitor the discharge water quality round the clock, system connected with CPCB and RSPCB servers and found operational during visit. The OCEMS readings noted during the visit on 25.01.2025 as pH-7.64, COD-58.9mg/l. TSS-27.4mg/l and BOD-20.9mg/l.

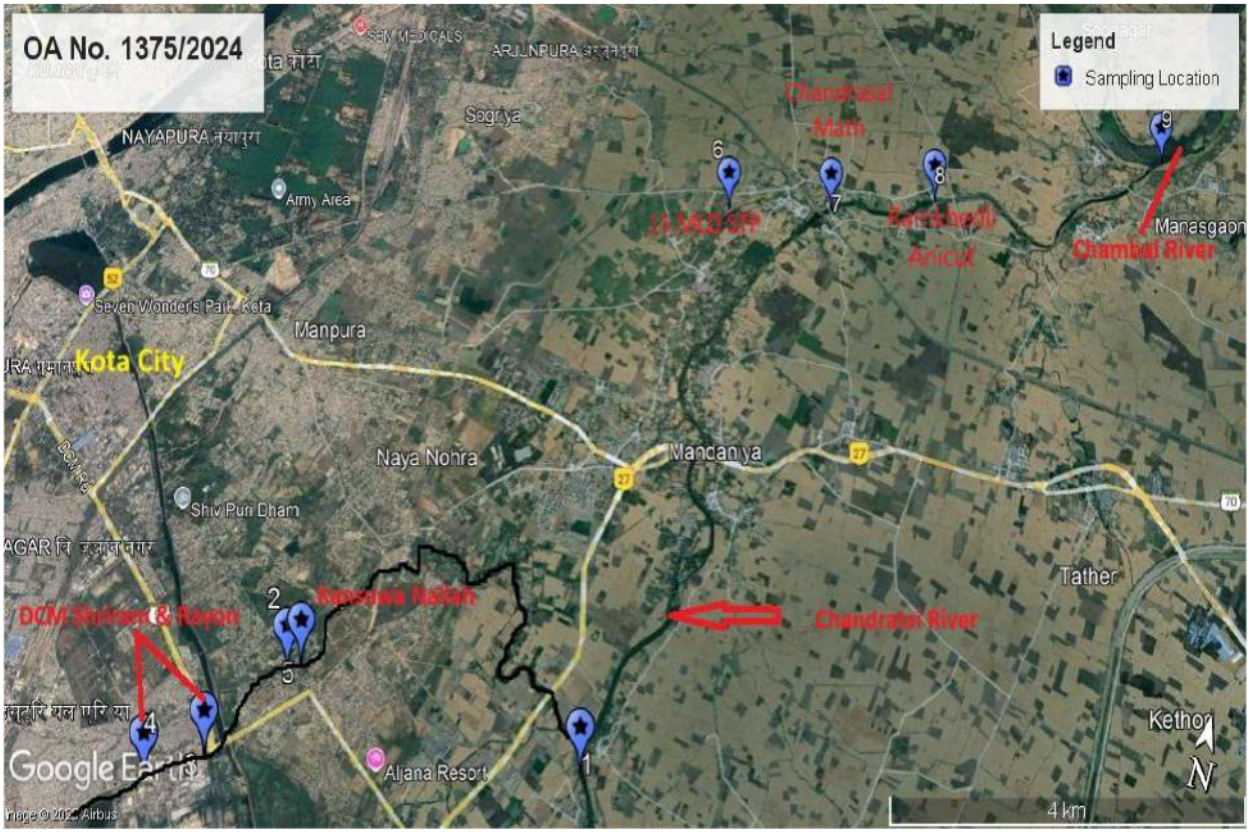
(f) **Domestic wastewater**: The committee sought information from Municipal Corporation Kota regarding total sewage generation, treatment facility available and gap in Kota city. The Municipal Corporation Kota informed that vide letter dated 17.2.2025 the present sewage generation is 155.25 MLD and treatment capacity is 158 MLD hence 2.75 MLD surplus treatment capacity exists. The letter is enclosed as Annexure-**05**. During discussion with local residents near kansua nala, they informed that 100 % house hold connections of nearby colonies are not being carried out so Kansua nala carries some part of the untreated domestic wastewater of Kota city. The untreated sewage and treated industrial effluent are mixed in the Kansua nalah near Raipura pulliya where 1st crocodile died on 31.11.2024. The Kansua nalah carries partial quantity of domestic sewage of Kota and joins the Chandraloi river after 5 - 6 km. In addition to Kansua nalah, the treated sewage from the 15 MLD capacity STP at Kala Talab is also being discharged into the Chandraloi River. The 2nd crocodile death occurred on 1.12.2024 adjacent to the point of mixing of STP outlet wastewater in to the Chandralohi river. During the field visit, it was observed that a 15 MLD STP situated at Kala Talab area was operational, utilizing Sequencing Batch Reactor (SBR) technology, but functioning at a capacity of 6.0 MLD. The entire treated wastewater from this STP being discharged into Chandraloi River which subsequently joins Chambal River near Manaspura village. The water quality from this STP was found to be compliant with the prescribed discharge standards except Faecal coliform because absence of proper chlorination. The OCEMS readings noted during the visit on 24.01.2025 as pH-7.3, DO-6.14mg/l. TDS-551mg/l and temperature-23°C.

(g) **Water sampling**: The news item published alleged that the water quality of river Chandraloi in Kota getting polluted this may be probable cause of aquatic life deterioration. To assess the present status of water quality 09 water samples from representative locations of kansua nala, industrial discharge, River Chandraloi and River Chambel were collected and analysed

for physico-chemical, heavy metals, pesticides, bio-monitoring and bio-assay test in CPCB Regional Directorate Bhopal & Lucknow and RSPCB Kota Laboratories. It is important to note that due to the same flow, most of the water quality parameters exhibit minimal variation along the monitored stretch of the river. The presence of Total coliform and faecal coliform indicates the mixing of untreated city sewage. High growth of water hyacinth observed at Chandraloi River near Chandrasal Math and Ramkhedli bridge indicates nitrogen levels in water and negatively impact water quality by altering nutrient cycles and damaging freshwater systems. The grab water samples collected and preserved as per APHA on sampling site. The details of the sampling locations and site conditions are as given below:

S. No.	Sampling Location	Observations
1	Chandraloi River up-stream near Kanwarpura village	Water is clear only agriculture activity was observed.
2	Kansua Nala before confluence industrial discharge near Rajpura Puliya	Untreated city sewage and domestic waste water observed.
3	Treated water discharge of M/s DCM	Treated waste water discharge observed.
4	Treated water discharge of M/s DCM, Rayon	Treated waste water discharged observed.
5	Kansua nala downstream near Rajpura puliya after confluence of industrial discharge	Sewage from nearby area mixing into it and lot of MSW and C&D waste dumped along the nala.
6	15 MLD STP Kala Talab outlet	Treated waste water discharged observed.
7	Chandraloi river near anicut at Chandrasel Math	The water flow was hindered by anicut hence lots of water hyacinth and plastic waste observed.
8	Chandraloi river near Ramkhedli village	Flowing water and agriculture activity was observed on both side of river.
9	Chambal river after confluence of Chandraloi river	Water is clear only agriculture activity was observed.

Fig.1: The Google map showing the sampling locations on Chandraloi River, Kansua Nala, Chambal River, Industries and 15MLD STP



(i) Physico-Chemical analysis: To assess the physico-chemical status of water samples has been collected and analysed and the results a below:

S. No	Location	pH	DO	Temp	TDS	TSS	COD	BOD	Cl	PO4	SO4	NO3	NO2	NH3
1	Chandraloi River U/s	7.02	6.42	21	405	10	15	7	49	0.204	56	0.396	0.156	0.88
2	Kansua Nala B/c	7.05	--	22	603	16	45	27	128	1.305	70	0.018	0.01	4.90
3	DCM Shriram outlet#	7.65	--	24	1266	27	44	11	299	0.10	180	3.75	1.39	4.95
4	DCM Rayon outlet#	7.53	--	30	3851	50.6	68	16	215	0.03	870	0.52	0.041	3.05
5	Kansua nala A/c	7.27	--	26	1051	148	56	24	161	1.22	169	2.052	0.011	5.05
6	STP outlet 15 MLD#	7.93	--	23	679	07	22	08	76	1.18	85	1.54	1.021	0.23
7	Chandraloi River near anicut at Chandresel Math	7.12	2.26	20	595	07	36	10	90	0.152	119	0.077	0.012	2.528

8	Chandraloi River Ramkhedli puliya	7.48	2.32	21	559	06	40	09	89	0.819	118	0.095	0.027	2.44
9	Chambal River D/s	7.96	5.05	22	488	11	19	04	63	0.234	78	0.386	0.106	0.85
# General Standard for Discharge of Effluent in Inland Surface Water as per EPA, 1986		6.5 to 8.5	--	--	--	100	250	30	--	--	--	10	--	50

Note: All the values are in mg/l except pH and Temperature. B/c – Before confluence, A/c – After confluence.

The above water samples have been collected from different representative locations to analyse the water quality of physico-chemical parameters the analysis reports indicate that value was normal, however organic pollutant in terms of BOD were found higher side as untreated sewage flowing in the Kansua nala which joins the Chandraloi River. The laboratory physio-chemical analysis reports are enclosed at Annexure-**06**.

Heavy metals analysis: To assess the Heavy metals presence in the Chandraloi River samples have been collected and analysed for prominent metals and results of water samples are shown below:

	Location	**Fe**	**Cu**	**Zn**	**Cr**	**Ni**	**Pb**
1	Chandraloi river U/s	0.538	0.066	0.0188	0.020	BDL	BDL
2	Kansua Nala B/c	0.644	0.073	0.3931	0.083	BDL	BDL
3	DCM outlet#	0.774	0.069	0.125	0.02	BDL	0.020
4	Reyon outlet#	0.803	0.072	1.7656	BDL	BDL	0.072
5	Kansua nala A/c	1.109	0.091	1.2528	BDL	BDL	BDL
6	STP outlet 15 MLD#	0.546	0.050	0.0259	BDL	BDL	BDL
7	Chandraloi River near anicut at Chandresel Math	0.384	0.086	0.0106	0.020	BDL	BDL
8	Chandraloi river Ramkhedli puliya	0.591	0.071	0.0158	BDL	BDL	BDL
9	Chambal River D/s	0.466	0.075	BDL	0.009	BDL	BDL
# General Standard for Discharge of Effluent in Inland Surface Water as per EPA, 1986		**3.0**	**3.0**	**5.0**	**2.0**	**3.0**	**0.10**

Note: All the values are in mg/l. BDL- Below Detection Limit.

The above Heavy metals analysis results indicates that all the values are within

the limit of industrial discharge standards. The laboratory heavy metals analysis reports are enclosed at Annexure-**07**.

Pesticides Analysis: During the field survey agriculture activity was observed on both the side of Chandraloi river and Kanasua nala. Mainly vegetables, wheat, garlic and mustered are grown. During discussion with local farmers, they informed that for better yield they are using locally available herbicides and pesticides as per requirement. The committee visited nearby pesticide selling shops randomly and enquired about types of pesticides are selling. The pesticide analysis results of water samples are shown below:

S. No	Code	α-BHC	β-BHC	¥ - BHC	δ - BHC	Chloro pyrifos	Aldrin	Endo supfan I	4,4, DDE	Endo Sulfan II	2,4 DDT	4,4 DDT
1	Chandraloi river U/s	NT	0.048	NT	NT	NT	NT	0.0136	0.042	0.010	NT	NT
2	Chandraloi River near anicut at Chandresel Math	0.036	0.034	NT	NT	NT	0.021	NT	NT	0.043	0.101	NT
3	Chandraloi river Ramkhedli Puliya	NT	0.012	NT	0.029	NT	0.049	0.029	0.013	0.023	NT	0.008
4	Chambal River D/s	NT	0.004	NT	NT	NT	0.005	NT	NT	NT	NT	NT
5	Kansua nala A/c	0.001	0.003	NT	0.031	NT	0.023	0.014	0.006	0.045	NT	NT
Drinking water Limit as per 10500: 2012		0.01	0.04	2	0.04	30	0.03	0.04	1	1	30	1

Note: All the values are in µg/l. B/c – Before confluence, A/c – After confluence.

The ¥ - BHC and Chloro pyrifos were found not traceable (NT) at all the monitored locations. The values are compared with drinking water standard ISO 10500: 2012 and found well within the limits except at river Chandraloi at Ramkhedli Puliya for Aldrin**.** The laboratory pesticides analysis report is enclosed at Annexure-**08**.

(ii). Bio-Monitoring and Bio Assay Test:

Bio-monitoring: Bio-monitoring conducted at three locations. The process is based on the calibration on the Saprobity and Diversity information of different taxonomic groups of benthic animals collected from artificial sub stratum and natural substratum of water bodies.

Bio monitoring includes collection of benthic macro invertebrates belonging to the classes Mollusca, Annelida and Arthropoda- (Crustacea and Insecta) in the current matter. Total 03 points have been selected on the River Chandraloi at Anicut, River Chandraloi at Ramkhedli pulia and River Chambal after confluence of Chandraloi River. The sampling locations and analysis results are as given below:

S. No	Name of location	Species found	Saprobic Score	Diversity Score
1.	Chandraloi River near anicut at Chandresel Math	Macromiidae, Coenagriidae, Dytiscidae, Planorbidae, Lymnaeidae and Chironomidae	4.5	0.33
2.	River Chandraloi at Ramkhedli pulia	Dytiscidae, Belastomatida, Planorbidae, Lymnaeidae and Chironomidae	3.6	0.33
3.	River Chambal after confluence of Chandraloi River	Macromiidae, Caenidae, Baetidae, Coenagriidae, Dytiscidae, Belastomatida, Corixidae, Planorbidae, Viviparidae, Lymnaeidae, Unionidae and Atydae	5.7	0.42

Families identified in the above sampels are – Macromiidae (8), Caenidae (7), Baetidae (4), Coenagriidae (6), Dytiscidae (5), Belastomatidae (5), Corixidae (5), Planorbidae (3), Viviparidae (6), Lymnaeidae (3), Unionidae (6), Atydae (6), Chironomidae (2) etc.

The interpretation of results was performed on the basis of the combination of saprobic score (ranges between 1 to 10) and diversity score (ranges between 0 to 1).

On the basis of the identified families the water quality of River Chandraloi at Anicut and at Ramkhedli pulia indicates pollution whereas, River Chambal after confluence of Chandraloi River indicates Moderate Pollution. The laboratory bio-monitoring reports are enclosed at Annexure-**09**.

Bio-Assay Test: The joint committee also collected the samples of Bio Assay from representative locations. The bioassay test is useful to measure the biological activity of a substance by observing its effects on living organisms, tissues, or cells, which

is crucial for assessing the environmental contaminants. Bio assay test also useful to determine the biological impact of a substance by using living systems as a readout. The details of the Bio-assay sampling locations and analysis results are as given below:

S No.	Sampling Locations	Test Results
1	Chandraloi River Up-Stream	100%
2	M/s DCM Shriram Ltd outlet	100%
3	M/s DCM Rayons Ltd outlet	100%
4	Chandraloi River near anicut at Chandresel Math	90%
5	Chandraloi River at Ramkhedli Puliya	90%
6	Chambal River Down Stream (after confluence of Chandraloi River)	100%
Standard for Discharge of Effluent in Inland Surface Water as per EPA, 1986		90% survival of fish after 96 Hr in 100% effluent.

The above results indicates that there is no specific toxicity present which is directly affecting the biological status of receiving water body. Toxicity can be caused by chemical, physical, or biological factors or a combination thereof. Chlorine, a chemical used for disinfection, and ammonia, a by-product of waste, are common causes of toxicity. Solids, pH and issues with dissolved oxygen or ion imbalance may also contribute to toxic responses. The laboratory bio-assay reports are enclosed at Annexure-**10**.

Microbial analysis: To assess the microbial contamination the committee collected the waste water samples from specific locations and later on analysed in laboratory and the results are as given below:

	Location	**Faecal Coliform**	**Total Coliform**
1	Chandraloi River U/s	790	1300
2	15 MLD STP outlet	920	>1600
3	Chandraloi River near anicut at Chandresel Math	1400	>1600
4	Chandraloi River Ramkhedli puliya	580	1100
5	Chambal River D/s	22	70

The presence of FC (Fecal Coliform) in a water sample indicates potential contamination with fecal matter, meaning the water may be polluted with human or animal waste and could pose a risk of carrying waterborne pathogens; while TC signifies a broader range of bacteria from various sources, FC specifically points to fecal contamination due to its association with the intestinal tract of warm-blooded animals. The STP may also ensure the proper Chlorination before discharge. The above results confirms that the un-treated sewage mixed in to the Chandraloi river through Kansua nala and human habitation at river bank.

(iii) Postmortem and Forensic Report Collection:

The committee interacted with Dr Akhilesh Pandey, Deputy Director Animal Husbandry Department of Kota who performed the postmortem of crocodile, he informed that there is no specific reason observed during postmortem as body found in putrefied condition hence exact reason of death could not be ascertained and viscera samples have been sent to State forensic lab, Kota for further investigation and the report is yet to receive. The copies of the postmortem reports of crocodiles conducted by team of senior veterinary officers are enclosed at Annexure-**11**. The brief of the postmortem report as given below:

S.No	Location and date of incidence	Crocodile details	Cause of death as per postmortem	Physico-chemical status of Water quality	Biological status of Water quality
01	One Crocodile was found dead at Rajpura area Kansua Nala after confluence of treated industrial waste water 30.11.2024	-Male -Old age 50 Year	Death due to multiple organ failure.	No abnormal values were observed and heavy metal also found within limit, however traces of pesticides i.e. α β and δ-BHC,	High level of Total and faecal coliforms was reported it indicates presence of untreated sewage.

				Aldrin, Endo Sulfan, DDE were observed.	
02	02 carcass of Crocodile observed in Chandraloi River near Chandrasel Math on 1.12.2024	- Male - 9 Year	As the carcass received in putrefied condition and vital organs demerged hence cause of death could not be find out.	No abnormal values were observed and heavy metal also found within limit, however traces of pesticides i.e. α and β-BHC, Aldrin, Endo Sulfan were observed.	The bio assay test shows that 90% of fish survival at this point it indicate toxicity is not a reason of death, however high level of Total and faecal coliforms indicates presence of untreated sewage. Bio-monitoring also indicates D-Class of water quality.
		- Female - 7 Year	As the carcass received in putrefied condition and vital organs demerged hence cause of death could not be find out.		
03	One Crocodile was found dead at Chandraloi River near Rankhedli bridge on 4.12.2024	-Female -15 Year	No cause of death mentioned, however viscera sent for toxicological examination at forensic lab, Kota.	No abnormal values were observed and heavy metal also found within limit, however	The bio assay test of this point show that 90% of fish survival at this point it indicate toxicity is not a reason of death, however high level of Total and faecal coliforms indicates

				traces of pesticides i.e. β and δ-BHC, Aldrin, Endo Sulfan, DDE were observed.	presence of untreated sewage. Bio-monitoring also indicates D-Class of water quality.

CPCB RD Bhopal also requested with State forensic lab, Kota vide letter dated 23.01.2025 (Copy of the letter is enclosed at Annexure-**12**) to provide the report at the earliest but till date the report is awaited and the reply sent by SFL, Kota is also enclosed as Annexure-**13**. The Deputy Conservator of Forest Kota also sent a letter to SFL, Kota on 23.1.2025 along with the receipt of viscera deposition and requested for early submission of forensic report which is enclosed as Annexure-**14**.

(iv) RSPCB Previous Investigation Report:

In reference to the news published in Rajasthan Patrika newspaper on dated 4.12.2024 regarding death of 04 crocodile in Chandraloi River near Kota a team of RSPCB Kota visited the site on the same day to assess the water quality at incident points to find out any abnormal observation w.r.t. water pollution. The team collected the water samples from 10 representative locations and analysed for physico-chemical and biological parameters, but team does not observe any specific reason regarding cause of death. In collected water samples no abnormal values were reported moreover Bio-assay test results also showing that no adverse effect on water quality at monitored locations. The concluding part of the report as below:

'Considering the above, the incident of the crocodile deaths cannot be linked to water quality, if water were the cause, it would likely have affected other crocodiles and aquatic life as well. Further investigation into the matter should be conduct by the Forest department, as this office lacks the expertise to determine the cause of the crocodile deaths.'

The inspection report is enclosed as **Annexure-15.**

7. Summary:

The joint committee visited the areas on 24 & 25 January 2025 and collected the water samples from 09 representative locations where the incidents of crocodile death were reported during 30.11.2024 to 4.12.2024 in River Chandraloi. The samples collected from drain, industrial outlets, River Chandraloi and Chamble and later analysed for physico-chemical, heavy metal, pesticide and biological indicator as per location specific parameters. The joint committee's findings are quite comprehensive. It appears that organic pollution from raw sewage mixing into the Chandraloi River is a significant issue, as indicated by the physico-chemical parameters and the presence of Total & Faecal Coliform. The dominance of Chironomidae in benthic macro-invertebrates further confirms sewage contamination in the water body.

Interestingly, the bio-assay results show a high fish survival rate (90% to 100%) in the collected samples. This could suggest that, despite the contamination, aquatic life forms are still managing to survive. However, the long-term impacts of such pollution on the ecosystem could be detrimental.

It was observed that heavy metal levels are within normal ranges. However, the increasing use of pesticides by local farmers is concerning. Traces of pesticides like α-BHC, β-BHC, δ-BHC, Aldrin, Endo Sulfan, and 4,4-DDE have been detected in the river water. Although these concentrations are within the prescribed drinking water standards (IS 10500:2012).

The committee also interacted with officers of veterinary department, Kota who conducted the postmortem but report is not very clear about the cause of death as carcass was found in putrefied condition, the probable reason of death is multiple organ failure. However, samples of viscera have been sent to State Forensic lab Kota and report is awaited.

There's a sewage system issue in Kota, resulting in raw sewage entering the Chandraloi River. Despite having a 2.75 MLD surplus sewage treatment capacity, gaps in household connections lead to pollution. Effective measures are needed to ensure all households are properly connected and sewage is treated before entering the river.

As reported in newspaper 50 crocodile died recently but as per the record of Forest & Wildlife Department of Kota since January 2022 to December 2024 total 10 deaths of Crocodiles were reported which includes the recent 4 deaths, hence fact is not in consonance with the field condition.

8. Recommendations:

1. It is recommended to conduct regular crocodile census by the forest department of Kota region to understand the population trend and population demography.
2. The sign boards and caution signs may be installed at the prominent locations of crocodile presence to avoid unnecessary intervention of human activity.
3. Anicuts should be replaced by bridges to facilitate the free movement of crocodiles and also to facilitate free water flow along the river.
4. State Agriculture Department may create awareness and promote the use of organic manure in the Chandraloi River area. It can help reduce chemical runoff and support sustainable farming practices.
5. The treated water of STP may be utilised in horticulture or construction purposes in the city by Municipal Corporation Kota.
6. The Kota municipal Corporation may improve the household medical waste collection system.
7. To spread awareness about crocodile conservation and World Crocodile Day (17 June) may be organised to educate local people. The day also encourages people to learn more about these reptiles and take action to protect them.

8. Industries may also explore the possibility at maximum extent for re-use/recycle the treated water.

9. The RSPCB may instruct Municipal Corporation, Kota to expedite the completion of household sewage connections and divert all drains to the STP. This will ensure that city sewage is properly treated and not discharged into the Chandraloi River, thereby improving water quality.

अनुराग

(**Sh. Anurag Kumar Bhatnagar**)
Deputy Conservator of Forest
Wildlife, Kota

Abhijit Das

(**Dr Abhijit Das**)
Scientist-E, WII
Dehradun

अनूप चतुर्वेदी

(**Dr Anoop Chaturvedi**)
Scientist-C
CPCB, Bhopal

योग्यता

(**Mrs. Yogyata Singh**)
Regional Officer
RSPCB, Kota

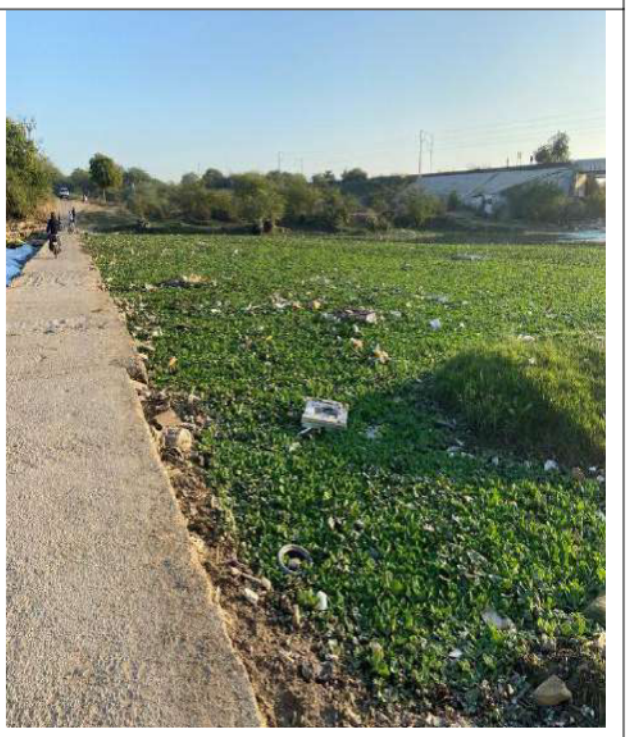
Photographs taken during field visit of Joint Committee in Hon'ble NGT O.A. 1375 of 2024 (PB)

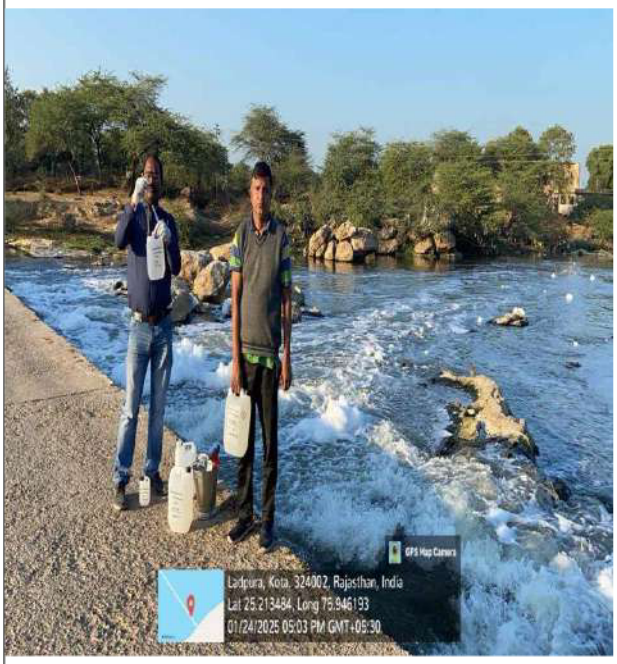
Kansua Nala which carries Kota city untreated domestic wastewater (after mixing of Industrial effluent where 1st crocodile died on 31.11.2024)

Water sample collection from Chandraloi River before mixing of Kansua Nala

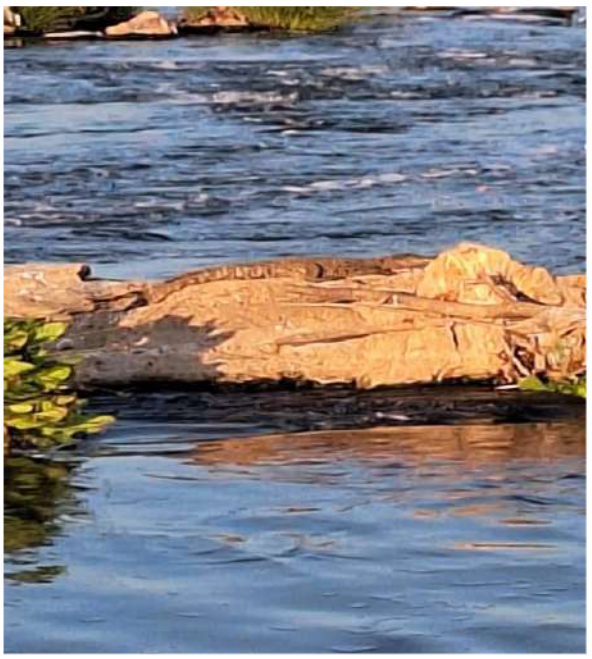
Sample Collection from DCM Rayon ETP Outlet

Sample Collection from DCM Sriram ETP Outlet

	
Crocodile and buffaloes near Chandresal Math	Committee visiting the Anicut constructed on the Chandraloi River near Chandrasal Math
	
Crocodiles basking near railway bridge in Chandraloi River	Water Hycinth developed in the Chandraloi River due to anicut construction and mixing of STP outlet at Chandrasal Math



Sample Collection near Anicut at Ramkhedli puliya



Crocodiles basking at Ramkhedli in Chandraloi River

Identifying the species present in the Chandraloi river in field as well as in Laboratory

Species identified in bio-monitoring

Species identified in bio-monitoring

Weedicide/Pesticide available in nearby market area

Annexure-01

Item No. 7 Court No. 1

BEFORE THE NATIONAL GREEN TRIBUNAL
PRINCIPAL BENCH, NEW DELHI

Original Application No. 1375/2024

News Item titled "Four endangered crocodile found dead in Rajasthan river experts wonder if pollution to blame" appearing in the Indian Express dated 06.12.2024

Date of hearing: 19.12.2024

CORAM: HON'BLE MR. JUSTICE SUDHIR AGARWAL, JUDICAL MEMBER
HON'BLE DR. A. SENTHIL VEL, EXPERT MEMBER

ORDER

1. The news item published in Indian Express dated 6.12.2024 under the title "Four endangered crocodile found dead in Rajasthan river experts wonder if pollution to blame" has been taken cognizance suo-motu by this Tribunal in view of law laid down in *"Municipal Corporation of Greater Mumbai vs. Ankita Sinha & Ors." reported in 2021 SCC Online SC 897* and this original application accordingly has been registered under Sections 14 and 15 of National Green Tribunal Act, 2010 (hereinafter referred to as **'NGT Act, 2010'**).

2. It is reported that in 2022, 50 crocodiles died due to industrial waste pollution in Chandraloi River, Kota, State of Rajasthan. From the date of publication of news, prior to 6 days it is reported that 4 crocodiles around 6-7 feet long were found dead and cause of death is attributed to industrial pollution caused to the river water. The crocodiles are endangered species listed under Schedule 1(c) of Wildlife (Protection) Act, 1972 and on account of water pollution the death of the crocodiles has caused.

3. It is a serious matter giving rise to substantial question relating to environment out of the implementation of the enactments mentioned in Schedule I of the NGT Act, 2010 particularly Water (Prevention and Control of Pollution) Act, 1974.

4. We accordingly find it appropriate to obtain a factual report for which we constitute a joint Committee comprising Rajasthan State Pollution Control Board (hereinafter referred to as 'State PCB'); Central Pollution Control Board (hereinafter referred to as 'CPCB'); Chief Wildlife Warden, State of Rajasthan; and, a nominee of Wildlife Institute of India, Dehradun, State of Uttarakhand through its Director.

5. CPCB shall be nodal authority for coordination and compliance.

6. The above committee shall examine the matter, find out factual correctness of the information and the reasons of death of crocodiles and submit a factual report within two months.

7. A copy of this order along with copy of complaint be sent to State PCB; CPCB; Chief Wildlife Warden, State of Rajasthan; and Wildlife Institute of India, Dehradun, State of Uttarakhand by email for compliance.

8. List on 25.02.2025.

Sudhir Agarwal, JM

Dr. A. Senthil Vel, EM

December 19, 2024
Original Application No. 1375/2024
A

क्षेत्रीय निदेशालय (मध्य), भोपाल

केन्द्रीय प्रदूषण नियंत्रण बोर्ड

(पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय, भारत सरकार)

क्षे.नि.भो. / एन.जी.टी. ओए–1375 / 2024 / 2006 - 2013

दिनांकः 23 जनवरी, 2025

एन.जी.टी. प्रकरण

प्रति,

सदस्य सचिव राज. राज्य प्रदूषण नियंत्रण बोर्ड ए–4, इंस्टीट्यूशनल एरिया, झालाना डूंगरी, जयपुर–302004 member-secretary@rpcb.nic.in	श्री पवन कुमार उपाध्याय मुख्य वाईल्ड लाईफ वार्डन अरण्य भवन, इंस्टीट्यूशनल एरिया, झालाना डूंगरी, जयपुर–302004 pccf.cwlw.forest@rajasthan.gov.in	निदेशक वाईल्ड लाईफ इंस्टीट्यूट ऑफ इण्डिया, पोस्ट बॉक्स–18, चन्द्रबानी, देहरादून, उत्तराखण्ड–248001 dwii@wii.gov.in

विषयः माननीय एनजीटी प्रिंसिपल बैंच, दिल्ली के प्र.क.–1375 / 2024, माननीय एनजीटी द्वारा स्वतः संज्ञान में पारित आदेश दिनांकः 19 / 12 / 2024 के अनुपालनार्थ।

संदर्भः इस कार्यालय का पत्र कं.: क्षे.नि.भो. / एन.जी.टी. ओए– 1375 / 2024 / 1872 दिनांकः 08 / 01 / 2025

महोदय,

कृपया उपरोक्त संदर्भित पत्र का अवलोकन करने का कष्ट करें (छायाप्रति संलग्न) जिसके माध्यम से माननीय एनजीटी द्वारा प्र.क.–1375 / 2024 में पारित आदेश के माध्यम से 04 सदस्यीय समिति के गठन हेतु निर्देश प्रदान किया गया था। उपरोक्त के परिपालन में सभी संबंधित विभाग से प्राप्त नामांकन के आधार पर निम्न समिति का गठन किया गया था जिसमें आंशिक संशोधन कर समिति को पुर्नगठित किया है। समिति द्वारा **दिनांक 24–25 जनवरी, 2025** को कोटा में स्थल निरिक्षण किया जाना प्रस्तावित है। समिति के सदस्य निम्नानुसार हैः–

कं.	नाम व पदनाम	सम्पर्क विवरण
01	श्री अनुराग भटनागर, उप वन संरक्षक (वन्य जीव) कोटा, राजस्थान	ई–मेलः dcwfl232@gmail.com मो.नं. 9413352070
02	डॉ. अभिजीत दास, वैज्ञानिक–ई, विलुप्तप्राय प्रजाति प्रबंधन विभाग, भारतीय वन्य जीव संस्थान, देहरादून	ई–मेलः abhijit@wii.gov.in मो.नं. 9412030187
03	श्रीमती योग्यता सिंह, क्षेत्रीय अधिकारी, रा.रा.प्र.नि.बो., कोटा	ई–मेलः rorpcb.kota@gmail.com मो.नं. 7340044567
04	डॉ. अनूप चतुर्वेदी, वैज्ञानिक–ग केन्द्रीय प्रदूषण नियंत्रण बोर्ड, भोपाल	ई–मेलः Anoop.cpcb. @nic.in मो.नं. 9424439755

उपरोक्त समिति द्वारा प्रश्नगत स्थल कोटा क्षेत्र व निकट के उद्योग, एस.टी.पी. का संयुक्त निरीक्षण फिल्ड की आवश्यकता के आधार पर माननीय एनजीटी द्वारा पारित आदेश के बिंदु कमांक–4 में दिये गये निर्देश के आधार पर किया जायेगा तथा प्रतिवेदन दिनांक 14 / 02 / 2025 तक अनिवार्य रूप से माननीय एनजीटी के समक्ष प्रस्तुत किया जाना है।

O/C

इस बाबत केन्द्रीय प्रदूषण नियंत्रण बोर्ड को नोडल एजेंसी नियुक्त किया गया है तथा प्रकरण की अगली सुनवाई दिनांक 25/02/2025 को नियत है। उपरोक्त कार्य का समन्वयन अधोहस्ताक्षरकर्ता (मो.नं.– 9755559745, ई–मेलः cpcb.bhopal@gov.in) द्वारा किया जायेगा एवं आवश्यकता अनुसार डॉ. पौलमी सी. पाटिल, वैज्ञानिक–ख, के.प्र.नि.बो., भोपाल द्वारा जैव प्रबोधन संबंधि कार्य का समन्वय किया जायेगा।

मुख्य वाईल्ड लाईफ वार्डन, जयपुर से अनुरोध है कि कोटा स्थित स्थानीय मुख्य वन संरक्षक को निरीक्षण के दौरान आवश्यक सहयोग हेतु निर्देशित करने का कष्ट करें। क्षेत्रीय अधिकारी, रा.रा.प्र.नि.बो., कोटा कृपया निरीक्षण के दौरान स्थानीय समन्वयन करने का अनुरोध है।

भवदीय,

(पी. जगन)
क्षेत्रीय निदेशक

संलग्नकः यथोपरि।

प्रतिलिपिः

1. श्री अनुराग भटनागर, उप वन संरक्षक (वन्य जीव), कोटा, राजस्थान
2. डॉ. अभिजीत दास, वैज्ञानिक–ई, भारतीय वन्य जीव संस्थान, देहरादून
3. क्षेत्रीय अधिकारी, रा.रा.प्र.नि.बो., कोटा
4. डॉ. अनूप चतुर्वेदी, वैज्ञानिक–ग, भोपाल

} संयुक्त समिति के सभी सदस्यों से निरीक्षण दिनांक को उपस्थिति सुनिश्चित करने का अनुरोध है।

5. श्री अमित ठक्कर, वैज्ञा.–ई एवं विभाग प्रमुख, IPC– VI केन्द्रीय प्रदूषण नियंत्रण बोर्ड, दिल्ली - की ओर कृपया सूचनार्थ।

क्षेत्रीय निदेशक

%

Annexure-03

Attendance Sheet

Field visit of joint committee in the Hon'ble NGT OA 1375 of 2024 in the matter of News Item titled " Four endangered crocodile found dead in Rajasthan river experts wonder if pollution to blame" order dated 19.12.2024.

Date : 24 & 25 January, 2025 Location: Kota area

S.No.	Name, designation and contact No.	Signature
1	P. Jagan, Regional Director	
2.	Abhijit Das, Scientist-E, WII D'DUN	
3.	Anurag Bhatnagar, DFO, Wildlife Kota	
4-	Yogyata Singh, RO, RPCB, Kota	
5	Dr. Anoop Chaturvedi Sci-C CPCB Bhopal	
6.	Anurag Singh, AEE, RPCB, Kota	
7	Rameshwar Bandewar SSA CPCB Bhopal	
8	Dr Rinku Singhal, SSO, RSPCB Kota	
9.	Dr. Abhi Garg, SSO, RSPCB Kota	
10.	Kiran Kumari Vaishnav, JSO, RSPCB, Kota	

Annexure-04

कार्यालय उप वन संरक्षक, वन्य जीव कोटा (राज.)

जे.के.पेवेलियन, अन्तर्राष्ट्रीय स्टेडियम के सामने, नयापुरा, कोटा Phone No./ - 0744-2321263
Mail ID 1- dcfwl.kota.forest@rajasthan.gov.in- 2- dcfwl232@gmail.com

क्रमांकःएफ13( )अभेड़ा/उवस/वजी/2024–25/1045 दिनांक 5/2/25

निमित्त,.

श्री पी0 जगन
क्षेत्रीय निदेशक
परिवेश भवन पर्यावरण परिसर
ई–5 अरेरा कॉलोनी भोपाल –462016

विषय :– मगरमच्छ व अन्य वन्य जीवों की जागरूकता के संबंध में कार्यवाही रिपोर्ट।
प्रसंग :– केन्द्रीय प्रदूषण नियंत्रण बोर्ड, का पत्र क्रमांक क्षे.नि.भो./एन.जी.टी. ओए–1375/2024/1872–1874 दिनांक 08.01.2025 के क्रम में।

महोदय,

उपर्युक्त विषयान्तर्गत प्रासंगिक पत्र के क्रम में निवेदन है कि कोटा शहर एवं आसपास के क्षेत्र में मगरमच्छ व अन्य वन्यजीवों के बारे में लगातार स्कूल, कॉलेज, गांवों में जाकर विभाग द्वारा जागरूकता शिविर आयोजित किये गये, जिनकी सूची पत्र के साथ के साथ संलग्न है।

संलग्नः– उपरोक्तानुसार

भवदीय

(अनुराग कुमार भटनागर)
उप वन संरक्षक,
वन्य जीव, कोटा

कार्यालय उप वन संरक्षक, वन्य जीव कोटा (राज.)

जे.के.पेवेलियन, अन्तर्राष्ट्रीय स्टेडियम के सामने, नयापुरा, कोटा Phone No./ - 0744-2321263
Mail ID 1- dcfwl.kota.forest@rajasthan.gov.in- 2- dcfwl232@gmail.com

01.01.2022 से 31.12.2024 तक चन्द्रलोई नदी एवं आस पास के क्षेत्र में मृत मिले मगरमच्छो की सूचना निम्नानुसार है।

क्र.सं.	कार्यालय का नाम	मृत मगरमच्छो की संख्या	विशेष विवरण
1	उप वन संरक्षक कोटा	5	
2	उप वन संरक्षक वन्यजीव कोटा	5	
	योग	10	

भवदीय

(अनुराग कुमार भटनागर)
उप वन संरक्षक,
वन्य जीव, कोटा

250

Division Wildlife Kota Annual Calender :-

S.No.	Calender	Awareness Camps in School	Collage	Place of worship	Panchayat	Other	Total
1	April 2024 to August 2024	4	-	-	-	5	9
2	September 2024	3	4	1	2	3	13
3	October 2024	3	5	3	-	2	13
4	November 2024	3	2	-	3	1	9
5	December 2024	8	2	3	-	1	14
6	January 2024	3	2	2	-	1	8
7	Febuary 2024	2	1	1	-	1	5
8	March 2024	2	-	-	-	0	2
	Total	**28**	**16**	**10**	**5**	**14**	**73**

Program in Bhainsroadgarh Wildlife Sanctuary= 17
Program in Shergarh Wildlife Sanctuary=16
Program in Abhera Biological Park Kota-40
Total= 73

(अनुराग कुमार भटनागर)
उप वन संरक्षक,
वन्य जीव, कोटा

Signature valid
Digitally signed by Anurag Kumar Bhatnagar
Designation : Deputy Conservator Of Forest
Date: 2024.08.28 12:40:27 IST
Reason: Approved

No.: 10048072

Annexure-05

Municipal Corporation Kota North

B-Block , Rajeev Gandhi Bhawan, Dusshera Maidan, Kota (Raj.)
Email: nnkota@gmail.com

Ref. No.: 2086 -90 Dated: 17/2/25

Regional Officer
Rajasthan State Pollution Control Board
Kota

Subject: Information sought against your Office order RPCB/RO/KOTA/GEN/475/2257-2259 dated 12/02/2025.

With reference to the aforementioned subject we are hereby providing you the information sought by your office which are as follows:

S. No.	Information Sought	Reply
1.	Total sewage Generation in Kota	155.25 MLD is the existing generation capacity
2.	Total sewage treatment capacity available	158 MLD is the existing installed treatment capacity
3.	Gap in sewage treatment capacity	Already a surplus capacity of 2.75 MLD is installed

With regards to other points raised by you survey work is under process which will be forwarded to you as and when the work of survey is completed.

The above information is for your good perusal and consideration.

Superintendent Engineer
Municipal Corporation Kota North

Copy To: Dated: 17/2/25

1. Commissioner Sir, Municipal Corporation Kota North
2. Additional Commissioner Sir, Municipal Corporation Kota North
3. Health Officer, Municipal Corporation Kota North
4. Assistant Engineer, NCAP

Superintendent Engineer
Municipal Corporation Kota North

CPCB

Central Pollution Control Board
Regional Directorate (Central)
"Parivesh Bhawan"
Paryavaran Parisar, E-5, Arera Colony, Bhopal
EPA Recognised Lab
Test Report : Fresh Water (Physico Chemical Parameter)

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MASTER COPY F/LAB/06/TR-01
COPY FOR LAB I/C

Project Name	NGT Case No. 1375/ 2024	Test Report No.	FW/24-25/77
Sample Description	Chandraloi River upstream from before confluence Kansua Nalla Kavarpur, Kota	Requisition No.	106
Date of sample collection	25.01.2025	Date	31.01.2025
Date of sample receipt	26.01.2025	Type of sample	Grab
Date of analysis	26.01.2025 to 31.01.2025	Sample collected by	Dr. A Chaturvedi, Sh. R. Bandewar, RSPCB Kota Team

S.No.	Parameters	Unit	Result	Method
1	**Temperature**	**°C**	**21**	-
2	Odour	-	-	-
3	Appearance	-	-	-
4	Colour	Pt-Co Scale	-	APHA, 2120-B
5	Residual Chlorine	mg/L	-	APHA 4500-Cl-B
6	**Dissolved Oxygen**	**mg/L**	**6.42**	**APHA 4500-O-C**
7	**pH**	**pH unit**	**7.02**	**APHA, 4500H+B**
8	**Specific Conductivity**	**µmho/cm**	**727**	**APHA 2510 B**
9	**Suspended Solids**	**mg/L**	**10**	**APHA 2540 D**
10	**Total Dissolved Solids**	**mg/L**	**405**	**APHA 2540 C**
11	Total Solids	mg/L	-	APHA 2540 B
12	**Fixed Dissolved Solid**	**mg/L**	**152**	**APHA 2540 E**
13	**COD**	**mg/L**	**15**	**APHA, 5220 B**
14	**BOD (3 days, 27°C)**	**mg/L**	**7**	**IS 3025, 1993**
15	**Chloride**	**mg/L**	**49**	**APHA, 4500-CL-B**
16	**Total Alkalinity**	**mg/L**	**70**	**APHA 2320-B**
17	**T. Hardness (as $CaCO_3$)**	**mg/L**	**201**	**APHA 2340-C**
18	**Ca Hardness (as $CaCO_3$)**	**mg/L**	**138**	**APHA 3500-Ca-B**
19	**Mg Hardness (as $CaCO_3$)**	**mg/L**	**63**	**APHA 3500-Mg-B**
20	Oil & Grease	mg/L	-	APHA 5520-D
21	Total Kjehdal Nitrogen	mg/L	-	APHA 4500-Norg-C
22	Turbidity	N.T.U.	-	APHA, 2130-B
23	**Phosphate (as P)**	**mg/L**	**0.204**	**APHA 4500-P-D**
24	**Sulphate (as SO_4)**	**mg/L**	**56**	**APHA 4500-SO_4-E**
25	**Ammo. Nitrogen (as N)**	**mg/L**	**0.88**	**APHA 4500-NH_3-F**
26	**Nitrite Nitrogen (as N)**	**mg/L**	**0.156**	**APHA 4500-NO_2-B**
27	**Nitrate Nitrogen (as N)**	**mg/L**	**0.396**	**APHA 4500-NO_3B**
28	Fluoride (as F)	mg/L	-	APHA 4500-F-D
29	Sodium (as Na)	mg/L	-	APHA 3500-Na-B
30	Potassium (as K)	mg/L	-	APHA 3500-K-B
31	Chromium (as Cr^{+6})	mg/L	-	APHA 3500-Cr B
32	Boron (as B)	mg/L	-	APHA 4500-B-C
33	**Faecal Coliform**	**MPN/100ml**	**790**	**APHA 9221-E**
34	**Total Coliform**	**MPN/100ml**	**1300**	**APHA 9221-A,B,C**
35	Bioassay Test	% Survival	-	APHA 8910 A-C
36				
37				
38				

Prepared by:

Laboratory Head:

CPCB

Central Pollution Control Board
Regional Directorate (Central)
"Parivesh Bhawan"
Paryavaran Parisar, E-5, Arera Colony, Bhopal
EPA Recognised Lab
Test Report : Fresh Water (Physico Chemical Parameter)

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Project Name		NGT Case No. 1375/ 2024		Test Report No.	FW/24-25/78
Sample Description		Chandraloi River Chandrasol, Kota		Requisition No.	106
Date of sample collection		24.01.2025		Date	31.01.2025
Date of sample receipt		26.01.2025		Type of sample	Grab
Date of analysis		26.01.2025 to 31.01.2025		Sample collected by	Dr. A Chaturvedi, Sh. R. Bandewar, RSPCB Kota Team
S.No.	Parameters	Unit	Result	Method	
1	Temperature	°C	20	-	
2	Odour	-	-	-	
3	Appearance	-	-	-	
4	Colour	Pt-Co Scale	-	APHA, 2120-B	
5	Residual Chlorine	mg/L	-	APHA 4500-Cl-B	
6	Dissolved Oxygen	mg/L	2.26	APHA 4500-O-C	
7	pH	pH unit	7.12	APHA, 4500H+B	
8	Specific Conductivity	µmho/cm	1083	APHA 2510 B	
9	Suspended Solids	mg/L	7	APHA 2540 D	
10	Total Dissolved Solids	mg/L	595	APHA 2540 C	
11	Total Solids	mg/L	-	APHA 2540 B	
12	Fixed Dissolved Solid	mg/L	169	APHA 2540 E	
13	COD	mg/L	36	APHA, 5220 B	
14	BOD (3 days, 27°C)	mg/L	10	IS 3025, 1993	
15	Chloride	mg/L	90	APHA, 4500-CL-B	
16	Total Alkalinity	mg/L	84	APHA 2320-B	
17	T. Hardness (as $CaCO_3$)	mg/L	274	APHA 2340-C	
18	Ca Hardness (as $CaCO_3$)	mg/L	213	APHA 3500-Ca-B	
19	Mg Hardness (as $CaCO_3$)	mg/L	61	APHA 3500-Mg-B	
20	Oil & Grease	mg/L	-	APHA 5520-D	
21	Total Kjehdal Nitrogen	mg/L	-	APHA 4500-Norg-C	
22	Turbidity	N.T.U.	-	APHA, 2130-B	
23	Phosphate (as P)	mg/L	0.152	APHA 4500-P-D	
24	Sulphate (as SO_4)	mg/L	119	APHA 4500-SO_4-E	
25	Ammo. Nitrogen (as N)	mg/L	2.528	APHA 4500-NH_3-F	
26	Nitrite Nitrogen (as N)	mg/L	0.012	APHA 4500-NO_2-B	
27	Nitrate Nitrogen (as N)	mg/L	0.077	APHA 4500-NO_3B	
28	Fluoride (as F)	mg/L	-	APHA 4500-F-D	
29	Sodium (as Na)	mg/L	-	APHA 3500-Na-B	
30	Potassium (as K)	mg/L	-	APHA 3500-K-B	
31	Chromium (as Cr^{+6})	mg/L	-	APHA 3500-Cr B	
32	Boron (as B)	mg/L	-	APHA 4500-B-C	
33	Faecal Coliform	MPN/100ml	1400	APHA 9221-E	
34	Total Coliform	MPN/100ml	2200	APHA 9221-A,B,C	
35	Bioassay Test	% Survival	-	APHA 8910 A-C	
36					
37					
38					

Prepared by:

Laboratory Head:

CPCB

Central Pollution Control Board
Regional Directorate (Central)
"Parivesh Bhawan"
Paryavaran Parisar, E-5, Arera Colony, Bhopal
EPA Recognised Lab
Test Report : Fresh Water (Physico Chemical Parameter)

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COPY FOR LAB I/C
F/LAB/06/TR-01

Project Name	NGT Case No. 1375/ 2024	Test Report No.	FW/24-25/79
Sample Description	Chandraloi River Ramkhedli pulia, Kota	Requisition No.	106
Date of sample collection	24.01.2025	Date	31.01.2025
Date of sample receipt	26.01.2025	Type of sample	Grab
Date of analysis	26.01.2025 to 31.01.2025	Sample collected by	Dr. A Chaturvedi, Sh. R. Bandewar, RSPCB Kota Team

S.No.	Parameters	Unit	Result	Method
1	**Temperature**	**°C**	**21**	-
2	Odour	-	-	-
3	Appearance	-	-	-
4	Colour	Pt-Co Scale	-	APHA, 2120-B
5	Residual Chlorine	mg/L	-	APHA 4500-Cl-B
6	**Dissolved Oxygen**	**mg/L**	**2.32**	**APHA 4500-O-C**
7	**pH**	**pH unit**	**7.48**	**APHA, 4500H+B**
8	**Specific Conductivity**	**µmho/cm**	**1065**	**APHA 2510 B**
9	**Suspended Solids**	**mg/L**	**6**	**APHA 2540 D**
10	**Total Dissolved Solids**	**mg/L**	**559**	**APHA 2540 C**
11	Total Solids	mg/L	-	APHA 2540 B
12	**Fixed Dissolved Solid**	**mg/L**	**125**	**APHA 2540 E**
13	**COD**	**mg/L**	**40**	**APHA, 5220 B**
14	**BOD (3 days, 27°C)**	**mg/L**	**9**	**IS 3025, 1993**
15	**Chloride**	**mg/L**	**89**	**APHA, 4500-CL-B**
16	**Total Alkalinity**	**mg/L**	**80**	**APHA 2320-B**
17	**T. Hardness (as $CaCO_3$)**	**mg/L**	**260**	**APHA 2340-C**
18	**Ca Hardness (as $CaCO_3$)**	**mg/L**	**186**	**APHA 3500-Ca-B**
19	**Mg Hardness (as $CaCO_3$)**	**mg/L**	**74**	**APHA 3500-Mg-B**
20	Oil & Grease	mg/L	-	APHA 5520-D
21	Total Kjehdal Nitrogen	mg/L	-	APHA 4500-Norg-C
22	Turbidity	N.T.U.	-	APHA, 2130-B
23	**Phosphate (as P)**	**mg/L**	**0.819**	**APHA 4500-P-D**
24	**Sulphate (as SO_4)**	**mg/L**	**118**	**APHA 4500-SO_4-E**
25	**Ammo. Nitrogen (as N)**	**mg/L**	**2.44**	**APHA 4500-NH_3-F**
26	**Nitrite Nitrogen (as N)**	**mg/L**	**0.027**	**APHA 4500-NO_2-B**
27	**Nitrate Nitrogen (as N)**	**mg/L**	**0.095**	**APHA 4500-NO_3B**
28	Fluoride (as F)	mg/L	-	APHA 4500-F-D
29	Sodium (as Na)	mg/L	-	APHA 3500-Na-B
30	Potassium (as K)	mg/L	-	APHA 3500-K-B
31	Chromium (as Cr^{+6})	mg/L	-	APHA 3500-Cr B
32	Boron (as B)	mg/L	-	APHA 4500-B-C
33	**Faecal Coliform**	**MPN/100ml**	**580**	**APHA 9221-E**
34	**Total Coliform**	**MPN/100ml**	**1100**	**APHA 9221-A,B,C**
35	Bioassay Test	% Survival	-	APHA 8910 A-C
36				
37				
38				

Prepared by:

मिलिंद कुमार निमजे/Milind Kumar Nimje
वैज्ञानिक-सी एवं शासकीय विश्लेषक/
Scientist-C and Govt. Government Analyst
क्षेत्रीय निदेशालय/Regional Directorate
केन्द्रीय प्रदूषण नियंत्रण बोर्ड/भोपाल (म.प्र.)
Central Pollution Control Board, Bhopal (M.P.)

Laboratory Head

CPCB

Central Pollution Control Board
Regional Directorate (Central)
"Parivesh Bhawan"
Paryavaran Parisar, E-5, Arera Colony, Bhopal
EPA Recognised Lab
Test Report : Fresh Water (Physico Chemical Parameter)

Project Name	NGT Case No. 1375/ 2024	Test Report No.	FW/24-25/80
Sample Description	Chambal River after confluence Chandraloi River Manas village, Kota	Requisition No.	106
Date of sample collection	25.01.2025	Date	31.01.2025
Date of sample receipt	26.01.2025	Type of sample	Grab
Date of analysis	26.01.2025 to 31.01.2025	Sample collected by	Dr. A Chaturvedi, Sh. R. Bandewar, RSPCB Kota Team

S.No.	Parameters	Unit	Result	Method
1	**Temperature**	°C	22	-
2	Odour	-	-	-
3	Appearance	-	-	-
4	Colour	Pt-Co Scale	-	APHA, 2120-B
5	Residual Chlorine	mg/L	-	APHA 4500-Cl-B
6	**Dissolved Oxygen**	mg/L	5.05	APHA 4500-O-C
7	**pH**	pH unit	7.96	APHA, 4500H+B
8	**Specific Conductivity**	µmho/cm	860	APHA 2510 B
9	**Suspended Solids**	mg/L	11	APHA 2540 D
10	**Total Dissolved Solids**	mg/L	488	APHA 2540 C
11	Total Solids	mg/L	-	APHA 2540 B
12	**Fixed Dissolved Solid**	mg/L	116	APHA 2540 E
13	**COD**	mg/L	19	APHA, 5220 B
14	**BOD (3 days, 27°C)**	mg/L	4	IS 3025, 1993
15	**Chloride**	mg/L	63	APHA, 4500-CL-B
16	**Total Alkalinity**	mg/L	60	APHA 2320-B
17	**T. Hardness (as $CaCO_3$)**	mg/L	222	APHA 2340-C
18	**Ca Hardness (as $CaCO_3$)**	mg/L	133	APHA 3500-Ca-B
19	**Mg Hardness (as $CaCO_3$)**	mg/L	89	APHA 3500-Mg-B
20	Oil & Grease	mg/L	-	APHA 5520-D
21	Total Kjehdal Nitrogen	mg/L	-	APHA 4500-Norg-C
22	Turbidity	N.T.U.	-	APHA, 2130-B
23	**Phosphate (as P)**	mg/L	0.234	APHA 4500-P-D
24	**Sulphate (as SO_4)**	mg/L	78	APHA 4500-SO_4-E
25	**Ammo. Nitrogen (as N)**	mg/L	0.85	APHA 4500-NH_3-F
26	**Nitrite Nitrogen (as N)**	mg/L	0.107	APHA 4500-NO_2-B
27	**Nitrate Nitrogen (as N)**	mg/L	0.386	APHA 4500-NO_3B
28	Fluoride (as F)	mg/L	-	APHA 4500-F-D
29	Sodium (as Na)	mg/L	-	APHA 3500-Na-B
30	Potassium (as K)	mg/L	-	APHA 3500-K-B
31	Chromium (as Cr^{+6})	mg/L	-	APHA 3500-Cr B
32	Boron (as B)	mg/L	-	APHA 4500-B-C
33	**Faecal Coliform**	MPN/100ml	22	APHA 9221-E
34	**Total Coliform**	MPN/100ml	70	APHA 9221-A,B,C
35	Bioassay Test	% Survival	-	APHA 8910 A-C
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Prepared by:

Laboratory Head:

CPCB

Central Pollution Control Board
Regional Directorate (Central)
"Parivesh Bhawan"
Paryavaran Parisar, E-5, Arera Colony, Bhopal
EPA Recognised Lab
Test Report : Waste Water (Physico Chemical Parameter)

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Project Name	NGT Case No. 1375/ 2024	Test Report No.	WW/24-25/196
Sample Description	Kansua Nalla before confluence to DCM Nalla, Kota	Requisition No.	164
Date of sample collection	24.01.2025	Date	31.01.2025
Date of sample receipt	26.01.2025	Type of sample	Grab
Date of analysis	26.01.2025 to 31.01.2025	Sample collected by	Dr. A Chaturvedi, Sh. R. Bandewar, RSPCB Kota Team

S.No.	Parameters	Unit	Result	Method
1	**Temperature**	**°C**	**22**	-
2	Odour	-	-	-
3	Appearance	-	-	-
4	Colour	Pt-Co Scale	-	APHA, 2120-B
5	Residual Chlorine	mg/L	-	APHA 4500-Cl-B
6	Dissolved Oxygen	mg/L	-	APHA 4500-O-C
7	**pH**	**pH unit**	**7.05**	**APHA, 4500H+B**
8	**Specific Conductivity**	**µmho/cm**	**1222**	**APHA 2510 B**
9	**Suspended Solids**	**mg/L**	**16**	**APHA 2540 D**
10	**Total Dissolved Solids**	**mg/L**	**603**	**APHA 2540 C**
11	Total Solids	mg/L	-	APHA 2540 B
12	**Fixed Dissolved Solid**	**mg/L**	**72**	**APHA 2540 E**
13	**COD**	**mg/L**	**45**	**APHA, 5220 B**
14	**BOD (3 days, 27°C)**	**mg/L**	**27**	**IS 3025, 1993**
15	**Chloride**	**mg/L**	**128**	**APHA, 4500-CL-B**
16	**Total Alkalinity**	**mg/L**	**100**	**APHA 2320-B**
17	**T. Hardness (as $CaCO_3$)**	**mg/L**	**230**	**APHA 2340-C**
18	**Ca Hardness (as $CaCO_3$)**	**mg/L**	**162**	**APHA 3500-Ca-B**
19	**Mg Hardness (as $CaCO_3$)**	**mg/L**	**68**	**APHA 3500-Mg-B**
20	Oil & Grease	mg/L	-	APHA 5520-D
21	Total Kjehdal Nitrogen	mg/L	-	APHA 4500-Norg-C
22	Turbidity	N.T.U.	-	APHA, 2130-B
23	**Phosphate (as P)**	**mg/L**	**1.305**	**APHA 4500-P-D**
24	**Sulphate (as SO_4)**	**mg/L**	**70**	**APHA 4500-SO_4-E**
25	**Ammo. Nitrogen (as N)**	**mg/L**	**4.9**	**APHA 4500-NH_3-F**
26	**Nitrite Nitrogen (as N)**	**mg/L**	**0.01**	**APHA 4500-NO_2-B**
27	**Nitrate Nitrogen (as N)**	**mg/L**	**0.018**	**APHA 4500-NO_3B**
28	Fluoride (as F)	mg/L	-	APHA 4500-F-D
29	Sodium (as Na)	mg/L	-	APHA 3500-Na-B
30	Potassium (as K)	mg/L	-	APHA 3500-K-B
31	Chromium (as Cr^{+6})	mg/L	-	APHA 3500-Cr B
32	Boron (as B)	mg/L	-	APHA 4500-B-C
33	Faecal Coliform	MPN/100ml	-	APHA 9221-E
34	Total Coliform	MPN/100ml	-	APHA 9221-A,B,C
35	Bioassay Test	% Survival	-	APHA 8910 A-C
36				
37				
38				

Prepared by:

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वैज्ञानिक-'डी' / प्रयोगशाला प्रमुख एवं सरकारी विश्लेषक
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Test Report : Waste Water (Physico Chemical Parameter)

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Project Name	NGT Case No. 1375/ 2024	Test Report No.	WW/24-25/197
Sample Description	M/s. DCM Shriram Fertilizer, Kota -ETP Final Outlet	Requisition No.	164
Date of sample collection	25.01.2025	Date	31.01.2025
Date of sample receipt	26.01.2025	Type of sample	Grab
Date of analysis	26.01.2025 to 31.01.2025	Sample collected by	Dr. A Chaturvedi, Sh. R. Bandewar, RSPCB Kota Team

S.No.	Parameters	Unit	Result	Method
1	**Temperature**	**°C**	**24**	-
2	Odour	-	-	-
3	Appearance	-	-	-
4	Colour	Pt-Co Scale	-	APHA, 2120-B
5	Residual Chlorine	mg/L	-	APHA 4500-Cl-B
6	Dissolved Oxygen	mg/L	-	APHA 4500-O-C
7	**pH**	**pH unit**	**7.65**	**APHA, 4500H+B**
8	**Specific Conductivity**	**µmho/cm**	**2297**	**APHA 2510 B**
9	**Suspended Solids**	**mg/L**	**27**	**APHA 2540 D**
10	**Total Dissolved Solids**	**mg/L**	**1266**	**APHA 2540 C**
11	Total Solids	mg/L	-	APHA 2540 B
12	**Fixed Dissolved Solid**	**mg/L**	**183**	**APHA 2540 E**
13	**COD**	**mg/L**	**44**	**APHA, 5220 B**
14	**BOD (3 days, 27°C)**	**mg/L**	**11**	**IS 3025, 1993**
15	**Chloride**	**mg/L**	**299**	**APHA, 4500-CL-B**
16	**Total Alkalinity**	**mg/L**	**48**	**APHA 2320-B**
17	**T. Hardness (as $CaCO_3$)**	**mg/L**	**352**	**APHA 2340-C**
18	**Ca Hardness (as $CaCO_3$)**	**mg/L**	**274**	**APHA 3500-Ca-B**
19	**Mg Hardness (as $CaCO_3$)**	**mg/L**	**78**	**APHA 3500-Mg-B**
20	Oil & Grease	mg/L	-	APHA 5520-D
21	Total Kjehdal Nitrogen	mg/L	-	APHA 4500-Norg-C
22	Turbidity	N.T.U.	-	APHA, 2130-B
23	**Phosphate (as P)**	**mg/L**	**0.1**	**APHA 4500-P-D**
24	**Sulphate (as SO_4)**	**mg/L**	**180**	**APHA 4500-SO_4-E**
25	**Ammo. Nitrogen (as N)**	**mg/L**	**4.95**	**APHA 4500-NH_3-F**
26	**Nitrite Nitrogen (as N)**	**mg/L**	**1.39**	**APHA 4500-NO_2-B**
27	**Nitrate Nitrogen (as N)**	**mg/L**	**3.75**	**APHA 4500-NO_3B**
28	Fluoride (as F)	mg/L	-	APHA 4500-F-D
29	Sodium (as Na)	mg/L	-	APHA 3500-Na-B
30	Potassium (as K)	mg/L	-	APHA 3500-K-B
31	Chromium (as Cr^{+6})	mg/L	-	APHA 3500-Cr B
32	Boron (as B)	mg/L	-	APHA 4500-B-C
33	Faecal Coliform	MPN/100ml	-	APHA 9221-E
34	Total Coliform	MPN/100ml	-	APHA 9221-A,B,C
35	Bioassay Test	% Survival	-	APHA 8910 A-C
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Prepared by:

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वैज्ञानिक-बी, क्षेत्रीय कार्यालय/सरकारी विश्लेषक
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Laboratory Head:

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Central Pollution Control Board
Regional Directorate (Central)
"Parivesh Bhawan"
Paryavaran Parisar, E-5, Arera Colony, Bhopal
EPA Recognised Lab
Test Report : Waste Water (Physico Chemical Parameter)

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Project Name	NGT Case No. 1375/ 2024	Test Report No.	WW/24-25/198
Sample Description	M/s. Shriram Rayon, Kota - ETP Final Outlet	Requisition No.	164
Date of sample collection	25.01.2025	Date	31.01.2025
Date of sample receipt	26.01.2025	Type of sample	Grab
Date of analysis	26.01.2025 to 31.01.2025	Sample collected by	Dr. A Chaturvedi, Sh. R. Bandewar, RSPCB Kota Team

S.No.	Parameters	Unit	Result	Method
1	**Temperature**	**°C**	**30**	-
2	Odour	-	-	-
3	Appearance	-	-	-
4	Colour	Pt-Co Scale	-	APHA, 2120-B
5	Residual Chlorine	mg/L	-	APHA 4500-Cl-B
6	Dissolved Oxygen	mg/L	-	APHA 4500-O-C
7	**pH**	**pH unit**	**7.53**	**APHA, 4500H+B**
8	**Specific Conductivity**	**µmho/cm**	**4273**	**APHA 2510 B**
9	**Suspended Solids**	**mg/L**	**50.6**	**APHA 2540 D**
10	**Total Dissolved Solids**	**mg/L**	**3851**	**APHA 2540 C**
11	Total Solids	mg/L	-	APHA 2540 B
12	**Fixed Dissolved Solid**	**mg/L**	**203**	**APHA 2540 E**
13	**COD**	**mg/L**	**68**	**APHA, 5220 B**
14	**BOD (3 days, 27°C)**	**mg/L**	**16**	**IS 3025, 1993**
15	**Chloride**	**mg/L**	**215**	**APHA, 4500-CL-B**
16	**Total Alkalinity**	**mg/L**	**41**	**APHA 2320-B**
17	**T. Hardness (as $CaCO_3$)**	**mg/L**	**1288**	**APHA 2340-C**
18	**Ca Hardness (as $CaCO_3$)**	**mg/L**	**1191**	**APHA 3500-Ca-B**
19	**Mg Hardness (as $CaCO_3$)**	**mg/L**	**97**	**APHA 3500-Mg-B**
20	Oil & Grease	mg/L	-	APHA 5520-D
21	Total Kjehdal Nitrogen	mg/L	-	APHA 4500-Norg-C
22	Turbidity	N.T.U.	-	APHA, 2130-B
23	**Phosphate (as P)**	**mg/L**	**0.03**	**APHA 4500-P-D**
24	**Sulphate (as SO_4)**	**mg/L**	**870**	**APHA 4500-SO_4-E**
25	**Ammo. Nitrogen (as N)**	**mg/L**	**3.05**	**APHA 4500-NH_3-F**
26	**Nitrite Nitrogen (as N)**	**mg/L**	**0.041**	**APHA 4500-NO_2-B**
27	**Nitrate Nitrogen (as N)**	**mg/L**	**0.52**	**APHA 4500-NO_3B**
28	Fluoride (as F)	mg/L	-	APHA 4500-F-D
29	Sodium (as Na)	mg/L	-	APHA 3500-Na-B
30	Potassium (as K)	mg/L	-	APHA 3500-K-B
31	Chromium (as Cr^{+6})	mg/L	-	APHA 3500-Cr B
32	Boron (as B)	mg/L	-	APHA 4500-B-C
33	Faecal Coliform	MPN/100ml	-	APHA 9221-E
34	Total Coliform	MPN/100ml	-	APHA 9221-A,B,C
35	Bioassay Test	% Survival	-	APHA 8910 A-C
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Prepared by:

Nilind Kumar Nimje
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Central Pollution Control Board,Bhopal (M.P.)

Laboratory Head

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EPA Recognised Lab
Test Report : Waste Water (Physico Chemical Parameter)

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Project Name	NGT Case No. 1375/ 2024	Test Report No.	WW/24-25/199
Sample Description	Kansua Nalla after confluence to DCM Nalla, Kota	Requisition No.	164
Date of sample collection	24.01.2025	Date	31.01.2025
Date of sample receipt	26.01.2025	Type of sample	Grab
Date of analysis	26.01.2025 to 31.01.2025	Sample collected by	Dr. A Chaturvedi, Sh. R. Bandewar, RSPCB Kota Team

S.No.	Parameters	Unit	Result	Method
1	**Temperature**	°C	**26**	-
2	Odour	-	-	-
3	Appearance	-	-	-
4	Colour	Pt-Co Scale	-	APHA, 2120-B
5	Residual Chlorine	mg/L	-	APHA 4500-Cl-B
6	Dissolved Oxygen	mg/L	-	APHA 4500-O-C
7	**pH**	**pH unit**	**7.27**	**APHA, 4500H+B**
8	**Specific Conductivity**	**μmho/cm**	**1770**	**APHA 2510 B**
9	**Suspended Solids**	**mg/L**	**148**	**APHA 2540 D**
10	**Total Dissolved Solids**	**mg/L**	**1051**	**APHA 2540 C**
11	Total Solids	mg/L	-	APHA 2540 B
12	**Fixed Dissolved Solid**	**mg/L**	**85**	**APHA 2540 E**
13	**COD**	**mg/L**	**56**	**APHA, 5220 B**
14	**BOD (3 days, 27°C)**	**mg/L**	**24**	**IS 3025, 1993**
15	**Chloride**	**mg/L**	**161**	**APHA, 4500-CL-B**
16	**Total Alkalinity**	**mg/L**	**164**	**APHA 2320-B**
17	**T. Hardness (as $CaCO_3$)**	**mg/L**	**323**	**APHA 2340-C**
18	**Ca Hardness (as $CaCO_3$)**	**mg/L**	**289**	**APHA 3500-Ca-B**
19	**Mg Hardness (as $CaCO_3$)**	**mg/L**	**34**	**APHA 3500-Mg-B**
20	Oil & Grease	mg/L	-	APHA 5520-D
21	Total Kjehdal Nitrogen	mg/L	-	APHA 4500-Norg-C
22	Turbidity	N.T.U.	-	APHA, 2130-B
23	**Phosphate (as P)**	**mg/L**	**1.22**	**APHA 4500-P-D**
24	**Sulphate (as SO_4)**	**mg/L**	**169**	**APHA 4500-SO_4-E**
25	**Ammo. Nitrogen (as N)**	**mg/L**	**5.05**	**APHA 4500-NH_3-F**
26	**Nitrite Nitrogen (as N)**	**mg/L**	**0.011**	**APHA 4500-NO_2-B**
27	**Nitrate Nitrogen (as N)**	**mg/L**	**2.052**	**APHA 4500-NO_3B**
28	Fluoride (as F)	mg/L	-	APHA 4500-F-D
29	Sodium (as Na)	mg/L	-	APHA 3500-Na-B
30	Potassium (as K)	mg/L	-	APHA 3500-K-B
31	Chromium (as Cr^{+6})	mg/L	-	APHA 3500-Cr B
32	Boron (as B)	mg/L	-	APHA 4500-B-C
33	Faecal Coliform	MPN/100ml	-	APHA 9221-E
34	Total Coliform	MPN/100ml	-	APHA 9221-A,B,C
35	Bioassay Test	% Survival	-	APHA 8910 A-C
36				
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Prepared by:

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Paryavaran Parisar, E-5, Arera Colony, Bhopal
EPA Recognised Lab
Test Report : Waste Water (Physico Chemical Parameter)

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Project Name	NGT Case No. 1375/ 2024	Test Report No.	WW/24-25/200
Sample Description	15 MLD STP, Kala Talab, Kota -Final Outlet	Requisition No.	164
Date of sample collection	25.01.2025	Date	31.01.2025
Date of sample receipt	26.01.2025	Type of sample	Grab
Date of analysis	26.01.2025 to 31.01.2025	Sample collected by	Dr. A Chaturvedi, Sh. R. Bandewar, RSPCB Kota Team

S.No.	Parameters	Unit	Result	Method
1	**Temperature**	°C	23	-
2	Odour	-	-	-
3	Appearance	-	-	-
4	Colour	Pt-Co Scale	-	APHA, 2120-B
5	Residual Chlorine	mg/L	-	APHA 4500-Cl-B
6	Dissolved Oxygen	mg/L	-	APHA 4500-O-C
7	**pH**	**pH unit**	**7.93**	**APHA, 4500H+B**
8	**Specific Conductivity**	**µmho/cm**	**1227**	**APHA 2510 B**
9	**Suspended Solids**	**mg/L**	**7**	**APHA 2540 D**
10	**Total Dissolved Solids**	**mg/L**	**679**	**APHA 2540 C**
11	Total Solids	mg/L	-	APHA 2540 B
12	**Fixed Dissolved Solid**	**mg/L**	**133**	**APHA 2540 E**
13	**COD**	**mg/L**	**22**	**APHA, 5220 B**
14	**BOD (3 days, 27°C)**	**mg/L**	**8**	**IS 3025, 1993**
15	**Chloride**	**mg/L**	**76**	**APHA, 4500-CL-B**
16	**Total Alkalinity**	**mg/L**	**105**	**APHA 2320-B**
17	**T. Hardness (as $CaCO_3$)**	**mg/L**	**205**	**APHA 2340-C**
18	**Ca Hardness (as $CaCO_3$)**	**mg/L**	**177**	**APHA 3500-Ca-B**
19	**Mg Hardness (as $CaCO_3$)**	**mg/L**	**28**	**APHA 3500-Mg-B**
20	Oil & Grease	mg/L	-	APHA 5520-D
21	Total Kjehdal Nitrogen	mg/L	-	APHA 4500-Norg-C
22	Turbidity	N.T.U.	-	APHA, 2130-B
23	**Phosphate (as P)**	**mg/L**	**1.18**	**APHA 4500-P-D**
24	**Sulphate (as SO_4)**	**mg/L**	**85**	**APHA 4500-SO_4-E**
25	**Ammo. Nitrogen (as N)**	**mg/L**	**0.23**	**APHA 4500-NH_3-F**
26	**Nitrite Nitrogen (as N)**	**mg/L**	**1.021**	**APHA 4500-NO_2-B**
27	**Nitrate Nitrogen (as N)**	**mg/L**	**1.54**	**APHA 4500-NO_3B**
28	Fluoride (as F)	mg/L	-	APHA 4500-F-D
29	Sodium (as Na)	mg/L	-	APHA 3500-Na-B
30	Potassium (as K)	mg/L	-	APHA 3500-K-B
31	Chromium (as Cr^{+6})	mg/L	-	APHA 3500-Cr B
32	Boron (as B)	mg/L	-	APHA 4500-B-C
33	**Faecal Coliform**	**MPN/100ml**	**920**	**APHA 9221-E**
34	**Total Coliform**	**MPN/100ml**	**1600**	**APHA 9221-A,B,C**
35	Bioassay Test	% Survival	-	APHA 8910 A-C
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38				

Prepared by:

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Central Pollution Control Board, Bhopal (M.P.)

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Test Report : Fresh Water (Instrumentation)

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Project Name	NGT Case No. 1375/ 2024	Test Report No.	Inst/FW/24-25/78
Sample Description	Chandraloi River Chandrasol, Kota	Requisition No.	106
Date of sample collection	24.01.2025	Date	31.01.2025
Date of sample receipt	26.01.2025	Type of sample	Grab
Date of analysis	28.01.2025 to 31.01.2025	Sample collected by	Dr. A Chaturvedi, Sh. R. Bandewar, RSPCB Kota Team

S.No.	Parameters	Unit	Result	Method
1	Cadmium (as Cd)	mg/L	-	APHA 3111 B
2	**Chromium Total**	**mg/L**	**0.020**	**APHA 3111 B**
3	**Copper (as Cu)**	**mg/L**	**0.086**	**APHA 3111 B**
4	**Lead (as Pb)**	**mg/L**	**BDL**	**APHA 3111 B**
5	**Nickel (as Ni)**	**mg/L**	**BDL**	**APHA 3111 B**
6	**Zinc (as Zn)**	**mg/L**	**0.0106**	**APHA 3111 B**
7	**Iron (as Fe)**	**mg/L**	**0.384**	**APHA 3111 B**
8	Manganese (as Mn)	mg/L	-	APHA 3111 B
9	Cobalt (as Co)	mg/L	-	APHA 3111 B
10	Boron (as B)	mg/L	-	APHA 3111 B
11	Vanadium (as V)	mg/L	-	APHA 3111 B
12	Arsenic (as As)	µg/L	-	APHA 3112-B
13	Mercury (as Hg)	µg/L	-	APHA 3112-B
14	Selenium (as Se)	µg/L	-	APHA 3112-B
15	Tin (as Sn)	µg/L	-	APHA 3112-B
16	Antimony (as Sb)	µg/L	-	APHA 3112-B
17	α-BHC	µg/L	-	APHA 6630 B
18	β-BHC	µg/L	-	APHA 6630 B
19	γ- BHC (Lindane)	µg/L	-	APHA 6630 B
20	δ-BHC	µg/L	-	APHA 6630 B
21	Aldrin	µg/L	-	APHA 6630 B
22	α-Endos.	µg/L	-	APHA 6630 B
23	pp-DDE	µg/L	-	APHA 6630 B
24	Dieldrin	µg/L	-	APHA 6630 B
25	β –Endos.	µg/L	-	APHA 6630 B
26	op-DDT	µg/L	-	APHA 6630 B
27	pp-DDT	µg/L	-	APHA 6630 B
28	Monocrotophos	µg/L	-	APHA 6630 B
29	Dimethoate (DMT)	µg/L	-	APHA 6630 B
30	M-Parathion (MPT)	µg/L	-	APHA 6630 B
31	Malathion(MLT)	µg/L	-	APHA 6630 B
32	Chloropyriphos	µg/L	-	APHA 6630 B
33	Ethion	µg/L	-	APHA 6630 B
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Prepared by:

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EPA Recognised Lab
Test Report : Fresh Water (Instrumentation)

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Project Name	NGT Case No. 1375/ 2024	Test Report No.	Inst/FW/24-25/79
Sample Description	Chandraloi River Ramkhedli pulia, Kota	Requisition No.	106
Date of sample collection	24.01.2025	Date	31.01.2025
Date of sample receipt	26.01.2025	Type of sample	Grab
Date of analysis	28.01.2025 to 31.01.2025	Sample collected by	Dr. A Chaturvedi, Sh. R. Bandewar, RSPCB Kota Team

S.No.	Parameters	Unit	Result	Method
1	Cadmium (as Cd)	mg/L	-	APHA 3111 B
2	**Chromium Total**	**mg/L**	**BDL**	**APHA 3111 B**
3	**Copper (as Cu)**	**mg/L**	**0.071**	**APHA 3111 B**
4	**Lead (as Pb)**	**mg/L**	**BDL**	**APHA 3111 B**
5	**Nickel (as Ni)**	**mg/L**	**BDL**	**APHA 3111 B**
6	**Zinc (as Zn)**	**mg/L**	**0.0158**	**APHA 3111 B**
7	**Iron (as Fe)**	**mg/L**	**0.591**	**APHA 3111 B**
8	Manganese (as Mn)	mg/L	-	APHA 3111 B
9	Cobalt (as Co)	mg/L	-	APHA 3111 B
10	Boron (as B)	mg/L	-	APHA 3111 B
11	Vanadium (as V)	mg/L	-	APHA 3111 B
12	Arsenic (as As)	µg/L	-	APHA 3112-B
13	Mercury (as Hg)	µg/L	-	APHA 3112-B
14	Selenium (as Se)	µg/L	-	APHA 3112-B
15	Tin (as Sn)	µg/L	-	APHA 3112-B
16	Antimony (as Sb)	µg/L	-	APHA 3112-B
17	α-BHC	µg/L	-	APHA 6630 B
18	β-BHC	µg/L	-	APHA 6630 B
19	γ- BHC (Lindane)	µg/L	-	APHA 6630 B
20	δ-BHC	µg/L	-	APHA 6630 B
21	Aldrin	µg/L	-	APHA 6630 B
22	α-Endos.	µg/L	-	APHA 6630 B
23	pp-DDE	µg/L	-	APHA 6630 B
24	Dieldrin	µg/L	-	APHA 6630 B
25	β –Endos.	µg/L	-	APHA 6630 B
26	op-DDT	µg/L	-	APHA 6630 B
27	pp-DDT	µg/L	-	APHA 6630 B
28	Monocrotophos	µg/L	-	APHA 6630 B
29	Dimethoate (DMT)	µg/L	-	APHA 6630 B
30	M-Parathion (MPT)	µg/L	-	APHA 6630 B
31	Malathion(MLT)	µg/L	-	APHA 6630 B
32	Chloropyriphos	µg/L	-	APHA 6630 B
33	Ethion	µg/L	-	APHA 6630 B
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F/LAB/06/TR-06

Project Name	NGT Case No. 1375/ 2024	Test Report No.	Inst/FW/24-25/80
Sample Description	Chambal River after confluence Chandraloi River Manas village, Kota	Requisition No.	106
Date of sample collection	25.01.2025	Date	31.01.2025
Date of sample receipt	26.01.2025	Type of sample	Grab
Date of analysis	28.01.2025 to 31.01.2025	Sample collected by	Dr. A Chaturvedi, Sh. R. Bandewar, RSPCB Kota Team

S.No.	Parameters	Unit	Result	Method
1	Cadmium (as Cd)	mg/L	-	APHA 3111 B
2	**Chromium Total**	**mg/L**	**0.009**	**APHA 3111 B**
3	**Copper (as Cu)**	**mg/L**	**0.075**	**APHA 3111 B**
4	**Lead (as Pb)**	**mg/L**	**BDL**	**APHA 3111 B**
5	**Nickel (as Ni)**	**mg/L**	**BDL**	**APHA 3111 B**
6	**Zinc (as Zn)**	**mg/L**	**BDL**	**APHA 3111 B**
7	**Iron (as Fe)**	**mg/L**	**0.466**	**APHA 3111 B**
8	Manganese (as Mn)	mg/L	-	APHA 3111 B
9	Cobalt (as Co)	mg/L	-	APHA 3111 B
10	Boron (as B)	mg/L	-	APHA 3111 B
11	Vanadium (as V)	mg/L	-	APHA 3111 B
12	Arsenic (as As)	μg/L	-	APHA 3112-B
13	Mercury (as Hg)	μg/L	-	APHA 3112-B
14	Selenium (as Se)	μg/L	-	APHA 3112-B
15	Tin (as Sn)	μg/L	-	APHA 3112-B
16	Antimony (as Sb)	μg/L	-	APHA 3112-B
17	α-BHC	μg/L	-	APHA 6630 B
18	β-BHC	μg/L	-	APHA 6630 B
19	γ- BHC (Lindane)	μg/L	-	APHA 6630 B
20	δ-BHC	μg/L	-	APHA 6630 B
21	Aldrin	μg/L	-	APHA 6630 B
22	α-Endos.	μg/L	-	APHA 6630 B
23	pp-DDE	μg/L	-	APHA 6630 B
24	Dieldrin	μg/L	-	APHA 6630 B
25	β –Endos.	μg/L	-	APHA 6630 B
26	op-DDT	μg/L	-	APHA 6630 B
27	pp-DDT	μg/L	-	APHA 6630 B
28	Monocrotophos	μg/L	-	APHA 6630 B
29	Dimethoate (DMT)	μg/L	-	APHA 6630 B
30	M-Parathion (MPT)	μg/L	-	APHA 6630 B
31	Malathion(MLT)	μg/L	-	APHA 6630 B
32	Chloropyriphos	μg/L	-	APHA 6630 B
33	Ethion	μg/L	-	APHA 6630 B
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Prepared by:

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Project Name		NGT Case No. 1375/ 2024		Test Report No.	Inst/WW/24-25/196
Sample Description		Kansua Nalla before confluence to DCM Nalla, Kota		Requisition No.	164
Date of sample collection		24.01.2025		Date	31.01.2025
Date of sample receipt		26.01.2025		Type of sample	Grab
Date of analysis		28.01.2025 to 31.01.2025		Sample collected by	Dr. A Chaturvedi, Sh. R. Bandewar, RSPCB Kota Team
S.No.	**Parameters**	**Unit**	**Result**	**Method**	
1	Cadmium (as Cd)	mg/L	-	APHA 3111 B	
2	**Chromium Total**	**mg/L**	**0.083**	**APHA 3111 B**	
3	**Copper (as Cu)**	**mg/L**	**0.073**	**APHA 3111 B**	
4	**Lead (as Pb)**	**mg/L**	**BDL**	**APHA 3111 B**	
5	**Nickel (as Ni)**	**mg/L**	**BDL**	**APHA 3111 B**	
6	**Zinc (as Zn)**	**mg/L**	**0.3931**	**APHA 3111 B**	
7	**Iron (as Fe)**	**mg/L**	**0.644**	**APHA 3111 B**	
8	Manganese (as Mn)	mg/L	-	APHA 3111 B	
9	Cobalt (as Co)	mg/L	-	APHA 3111 B	
10	Boron (as B)	mg/L	-	APHA 3111 B	
11	Vanadium (as V)	mg/L	-	APHA 3111 B	
12	Arsenic (as As)	µg/L	-	APHA 3112-B	
13	Mercury (as Hg)	µg/L	-	APHA 3112-B	
14	Selenium (as Se)	µg/L	-	APHA 3112-B	
15	Tin (as Sn)	µg/L	-	APHA 3112-B	
16	Antimony (as Sb)	µg/L	-	APHA 3112-B	
17	α-BHC	µg/L	-	APHA 6630 B	
18	β-BHC	µg/L	-	APHA 6630 B	
19	γ- BHC (Lindane)	µg/L	-	APHA 6630 B	
20	δ-BHC	µg/L	-	APHA 6630 B	
21	Aldrin	µg/L	-	APHA 6630 B	
22	α-Endos.	µg/L	-	APHA 6630 B	
23	pp-DDE	µg/L	-	APHA 6630 B	
24	Dieldrin	µg/L	-	APHA 6630 B	
25	β –Endos.	µg/L	-	APHA 6630 B	
26	op-DDT	µg/L	-	APHA 6630 B	
27	pp-DDT	µg/L	-	APHA 6630 B	
28	Monocrotophos (MCP)	µg/L	-	APHA 6630 B	
29	Dimethoate (DMT)	µg/L	-	APHA 6630 B	
30	M-Parathion (MPT)	µg/L	-	APHA 6630 B	
31	Malathion(MLT)	µg/L	-	APHA 6630 B	
32	Chloropyriphos (CPP)	µg/L	-	APHA 6630 B	
33	Ethion	µg/L	-	APHA 6630 B	
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Prepared by:

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Project Name	NGT Case No. 1375/ 2024	Test Report No.	Inst/WW/24-25/197
Sample Description	M/s. DCM Shriram Fertilizer, Kota -ETP Final Outlet	Requisition No.	164
Date of sample collection	25.01.2025	Date	31.01.2025
Date of sample receipt	26.01.2025	Type of sample	Grab
Date of analysis	28.01.2025 to 31.01.2025	Sample collected by	Dr. A Chaturvedi, Sh. R. Bandewar, RSPCB Kota Team

S.No.	Parameters	Unit	Result	Method
1	Cadmium (as Cd)	mg/L	-	APHA 3111 B
2	**Chromium Total**	**mg/L**	**0.020**	**APHA 3111 B**
3	**Copper (as Cu)**	**mg/L**	**0.069**	**APHA 3111 B**
4	**Lead (as Pb)**	**mg/L**	**0.020**	**APHA 3111 B**
5	**Nickel (as Ni)**	**mg/L**	**BDL**	**APHA 3111 B**
6	**Zinc (as Zn)**	**mg/L**	**0.125**	**APHA 3111 B**
7	**Iron (as Fe)**	**mg/L**	**0.774**	**APHA 3111 B**
8	Manganese (as Mn)	mg/L	-	APHA 3111 B
9	Cobalt (as Co)	mg/L	-	APHA 3111 B
10	Boron (as B)	mg/L	-	APHA 3111 B
11	Vanadium (as V)	mg/L	-	APHA 3111 B
12	Arsenic (as As)	µg/L	-	APHA 3112-B
13	Mercury (as Hg)	µg/L	-	APHA 3112-B
14	Selenium (as Se)	µg/L	-	APHA 3112-B
15	Tin (as Sn)	µg/L	-	APHA 3112-B
16	Antimony (as Sb)	µg/L	-	APHA 3112-B
17	α-BHC	µg/L	-	APHA 6630 B
18	β-BHC	µg/L	-	APHA 6630 B
19	γ- BHC (Lindane)	µg/L	-	APHA 6630 B
20	δ-BHC	µg/L	-	APHA 6630 B
21	Aldrin	µg/L	-	APHA 6630 B
22	α-Endos.	µg/L	-	APHA 6630 B
23	pp-DDE	µg/L	-	APHA 6630 B
24	Dieldrin	µg/L	-	APHA 6630 B
25	β –Endos.	µg/L	-	APHA 6630 B
26	op-DDT	µg/L	-	APHA 6630 B
27	pp-DDT	µg/L	-	APHA 6630 B
28	Monocrotophos (MCP)	µg/L	-	APHA 6630 B
29	Dimethoate (DMT)	µg/L	-	APHA 6630 B
30	M-Parathion (MPT)	µg/L	-	APHA 6630 B
31	Malathion(MLT)	µg/L	-	APHA 6630 B
32	Chloropyriphos (CPP)	µg/L	-	APHA 6630 B
33	Ethion	µg/L	-	APHA 6630 B
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Project Name	NGT Case No. 1375/ 2024	Test Report No.	Inst/WW/24-25/198
Sample Description	M/s. Shriram Rayon, Kota - ETP Final Outlet	Requisition No.	164
Date of sample collection	25.01.2025	Date	31.01.2025
Date of sample receipt	26.01.2025	Type of sample	Grab
Date of analysis	28.01.2025 to 31.01.2025	Sample collected by	Dr. A Chaturvedi, Sh. R. Bandewar, RSPCB Kota Team

S.No.	Parameters	Unit	Result	Method
1	Cadmium (as Cd)	mg/L	-	APHA 3111 B
2	**Chromium Total**	**mg/L**	**BDL**	**APHA 3111 B**
3	**Copper (as Cu)**	**mg/L**	**0.072**	**APHA 3111 B**
4	**Lead (as Pb)**	**mg/L**	**0.072**	**APHA 3111 B**
5	**Nickel (as Ni)**	**mg/L**	**BDL**	**APHA 3111 B**
6	**Zinc (as Zn)**	**mg/L**	**1.7656**	**APHA 3111 B**
7	**Iron (as Fe)**	**mg/L**	**0.803**	**APHA 3111 B**
8	Manganese (as Mn)	mg/L	-	APHA 3111 B
9	Cobalt (as Co)	mg/L	-	APHA 3111 B
10	Boron (as B)	mg/L	-	APHA 3111 B
11	Vanadium (as V)	mg/L	-	APHA 3111 B
12	Arsenic (as As)	µg/L	-	APHA 3112-B
13	Mercury (as Hg)	µg/L	-	APHA 3112-B
14	Selenium (as Se)	µg/L	-	APHA 3112-B
15	Tin (as Sn)	µg/L	-	APHA 3112-B
16	Antimony (as Sb)	µg/L	-	APHA 3112-B
17	α-BHC	µg/L	-	APHA 6630 B
18	β-BHC	µg/L	-	APHA 6630 B
19	γ- BHC (Lindane)	µg/L	-	APHA 6630 B
20	δ-BHC	µg/L	-	APHA 6630 B
21	Aldrin	µg/L	-	APHA 6630 B
22	α-Endos.	µg/L	-	APHA 6630 B
23	pp-DDE	µg/L	-	APHA 6630 B
24	Dieldrin	µg/L	-	APHA 6630 B
25	β –Endos.	µg/L	-	APHA 6630 B
26	op-DDT	µg/L	-	APHA 6630 B
27	pp-DDT	µg/L	-	APHA 6630 B
28	Monocrotophos (MCP)	µg/L	-	APHA 6630 B
29	Dimethoate (DMT)	µg/L	-	APHA 6630 B
30	M-Parathion (MPT)	µg/L	-	APHA 6630 B
31	Malathion(MLT)	µg/L	-	APHA 6630 B
32	Chloropyriphos (CPP)	µg/L	-	APHA 6630 B
33	Ethion	µg/L	-	APHA 6630 B
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Project Name	NGT Case No. 1375/ 2024	Test Report No.	Inst/WW/24-25/199
Sample Description	Kansua Nalla after confluence to DCM Nalla, Kota	Requisition No.	164
Date of sample collection	24.01.2025	Date	31.01.2025
Date of sample receipt	26.01.2025	Type of sample	Grab
Date of analysis	28.01.2025 to 31.01.2025	Sample collected by	Dr. A Chaturvedi, Sh. R. Bandewar, RSPCB Kota Team

S.No.	Parameters	Unit	Result	Method
1	Cadmium (as Cd)	mg/L	-	APHA 3111 B
2	**Chromium Total**	**mg/L**	**BDL**	**APHA 3111 B**
3	**Copper (as Cu)**	**mg/L**	**0.091**	**APHA 3111 B**
4	**Lead (as Pb)**	**mg/L**	**BDL**	**APHA 3111 B**
5	**Nickel (as Ni)**	**mg/L**	**BDL**	**APHA 3111 B**
6	**Zinc (as Zn)**	**mg/L**	**1.2528**	**APHA 3111 B**
7	**Iron (as Fe)**	**mg/L**	**1.109**	**APHA 3111 B**
8	Manganese (as Mn)	mg/L	-	APHA 3111 B
9	Cobalt (as Co)	mg/L	-	APHA 3111 B
10	Boron (as B)	mg/L	-	APHA 3111 B
11	Vanadium (as V)	mg/L	-	APHA 3111 B
12	Arsenic (as As)	µg/L	-	APHA 3112-B
13	Mercury (as Hg)	µg/L	-	APHA 3112-B
14	Selenium (as Se)	µg/L	-	APHA 3112-B
15	Tin (as Sn)	µg/L	-	APHA 3112-B
16	Antimony (as Sb)	µg/L	-	APHA 3112-B
17	α-BHC	µg/L	-	APHA 6630 B
18	β-BHC	µg/L	-	APHA 6630 B
19	γ- BHC (Lindane)	µg/L	-	APHA 6630 B
20	δ-BHC	µg/L	-	APHA 6630 B
21	Aldrin	µg/L	-	APHA 6630 B
22	α-Endos.	µg/L	-	APHA 6630 B
23	pp-DDE	µg/L	-	APHA 6630 B
24	Dieldrin	µg/L	-	APHA 6630 B
25	β –Endos.	µg/L	-	APHA 6630 B
26	op-DDT	µg/L	-	APHA 6630 B
27	pp-DDT	µg/L	-	APHA 6630 B
28	Monocrotophos (MCP)	µg/L	-	APHA 6630 B
29	Dimethoate (DMT)	µg/L	-	APHA 6630 B
30	M-Parathion (MPT)	µg/L	-	APHA 6630 B
31	Malathion(MLT)	µg/L	-	APHA 6630 B
32	Chloropyriphos (CPP)	µg/L	-	APHA 6630 B
33	Ethion	µg/L	-	APHA 6630 B
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Project Name	**NGT Case No. 1375/ 2024**	**Test Report No.**	**InstWW/24-25/200**
Sample Description	**15 MLD STP, Kala Talab, Kota -Final Outlet**	**Requisition No.**	164
Date of sample collection	25.01.2025	**Date**	31.01.2025
Date of sample receipt	26.01.2025	**Type of sample**	Grab
Date of analysis	28.01.2025 to 31.01.2025	**Sample collected by**	Dr. A Chaturvedi, Sh. R. Bandewar, RSPCB Kota Team

S.No.	Parameters	Unit	Result	Method
1	Cadmium (as Cd)	mg/L	-	APHA 3111 B
2	**Chromium Total**	**mg/L**	**BDL**	**APHA 3111 B**
3	**Copper (as Cu)**	**mg/L**	**0.05**	**APHA 3111 B**
4	**Lead (as Pb)**	**mg/L**	**BDL**	**APHA 3111 B**
5	**Nickel (as Ni)**	**mg/L**	**BDL**	**APHA 3111 B**
6	**Zinc (as Zn)**	**mg/L**	**0.0259**	**APHA 3111 B**
7	**Iron (as Fe)**	**mg/L**	**0.546**	**APHA 3111 B**
8	Manganese (as Mn)	mg/L	-	APHA 3111 B
9	Cobalt (as Co)	mg/L	-	APHA 3111 B
10	Boron (as B)	mg/L	-	APHA 3111 B
11	Vanadium (as V)	mg/L	-	APHA 3111 B
12	Arsenic (as As)	μg/L	-	APHA 3112-B
13	Mercury (as Hg)	μg/L	-	APHA 3112-B
14	Selenium (as Se)	μg/L	-	APHA 3112-B
15	Tin (as Sn)	μg/L	-	APHA 3112-B
16	Antimony (as Sb)	μg/L	-	APHA 3112-B
17	α-BHC	μg/L	-	APHA 6630 B
18	β-BHC	μg/L	-	APHA 6630 B
19	γ- BHC (Lindane)	μg/L	-	APHA 6630 B
20	δ-BHC	μg/L	-	APHA 6630 B
21	Aldrin	μg/L	-	APHA 6630 B
22	α-Endos.	μg/L	-	APHA 6630 B
23	pp-DDE	μg/L	-	APHA 6630 B
24	Dieldrin	μg/L	-	APHA 6630 B
25	β –Endos.	μg/L	-	APHA 6630 B
26	op-DDT	μg/L	-	APHA 6630 B
27	pp-DDT	μg/L	-	APHA 6630 B
28	Monocrotophos (MCP)	μg/L	-	APHA 6630 B
29	Dimethoate (DMT)	μg/L	-	APHA 6630 B
30	M-Parathion (MPT)	μg/L	-	APHA 6630 B
31	Malathion(MLT)	μg/L	-	APHA 6630 B
32	Chloropyriphos (CPP)	μg/L	-	APHA 6630 B
33	Ethion	μg/L	-	APHA 6630 B
34				
35				
36				

Prepared by:

मिलिन्द कुमार निर्मल Milind Kumar Nirmal
वैज्ञानिक-'सी', प्रयोगशाला प्रमुख एवं सरकारी विश्लेषक
Scientist 'C' Lab Head & Government Analyst
क्षेत्रीय निदेशालय, मध्य Regional Directorate
केन्द्रीय प्रदूषण नियंत्रण बोर्ड, भोपाल (म.प्र.)
Central Pollution Control Board, Bhopal (M.P.)

Laboratory Head

Central Pollution Control Board
Regional Directorate (Central)
"Parivesh Bhawan"
Paryavaran Parisar, E-5, Arera Colony, Bhopal – 462016
EPA Recognised Lab
Test Report : Fresh Water (Instrumentation)

CUSTOMER COPY
MASTER COPY F/LAB/06/TR-06
COPY FOR LAB I/C

Project Name	NGT Case No. 1375/ 2024			Test Report No.	Inst/FW/24-25/77
Sample Description	Chandraloi River upstream from before confluence Kansua Nalla Kavarpur, Kota			Requisition No.	106
Date of sample collection	25.01.2025			Date	31.01.2025
Date of sample receipt	26.01.2025			Type of sample	Grab
Date of analysis	28.01.2025 to 31.01.2025			Sample collected by	Dr. A Chaturvedi, Sh. R. Bandewar, RSPCB Kota Team

S.No.	Parameters	Unit	Result	Method
1	Cadmium (as Cd)	mg/L	-	APHA 3111 B
2	**Chromium Total**	**mg/L**	**0.02**	**APHA 3111 B**
3	**Copper (as Cu)**	**mg/L**	**0.066**	**APHA 3111 B**
4	**Lead (as Pb)**	**mg/L**	**BDL**	**APHA 3111 B**
5	**Nickel (as Ni)**	**mg/L**	**BDL**	**APHA 3111 B**
6	**Zinc (as Zn)**	**mg/L**	**0.0188**	**APHA 3111 B**
7	**Iron (as Fe)**	**mg/L**	**0.538**	**APHA 3111 B**
8	Manganese (as Mn)	mg/L	-	APHA 3111 B
9	Cobalt (as Co)	mg/L	-	APHA 3111 B
10	Boron (as B)	mg/L	-	APHA 3111 B
11	Vanadium (as V)	mg/L	-	APHA 3111 B
12	Arsenic (as As)	µg/L	-	APHA 3112-B
13	Mercury (as Hg)	µg/L	-	APHA 3112-B
14	Selenium (as Se)	µg/L	-	APHA 3112-B
15	Tin (as Sn)	µg/L	-	APHA 3112-B
16	Antimony (as Sb)	µg/L	-	APHA 3112-B
17	α-BHC	µg/L	-	APHA 6630 B
18	β-BHC	µg/L	-	APHA 6630 B
19	γ- BHC (Lindane)	µg/L	-	APHA 6630 B
20	δ-BHC	µg/L	-	APHA 6630 B
21	Aldrin	µg/L	-	APHA 6630 B
22	α-Endos.	µg/L	-	APHA 6630 B
23	pp-DDE	µg/L	-	APHA 6630 B
24	Dieldrin	µg/L	-	APHA 6630 B
25	β –Endos.	µg/L	-	APHA 6630 B
26	op-DDT	µg/L	-	APHA 6630 B
27	pp-DDT	µg/L	-	APHA 6630 B
28	Monocrotophos	µg/L	-	APHA 6630 B
29	Dimethoate (DMT)	µg/L	-	APHA 6630 B
30	M-Parathion (MPT)	µg/L	-	APHA 6630 B
31	Malathion(MLT)	µg/L	-	APHA 6630 B
32	Chloropyriphos	µg/L	-	APHA 6630 B
33	Ethion	µg/L	-	APHA 6630 B
34				
35				
36				

Prepared by:

Scientist / Chemical Analyst
Central Pollution Control Board, Bhopal (M.P.)

Laboratory Head

केन्द्रीय प्रदूषण नियंत्रण बोर्ड आंचलिक प्रयोगशाला		Central Pollution Control Board Zonal Laboratory	
Doc No. CB/ZLN/QR/7.8/2/1	Issue No. : 01	Dt of Issue : 16.08.2022	Page No. : 1 of 1
Amendment no. : 00/05	Amendment Dt: 00	Approved by : TM	Issued by: QM

पिकप भवन , विभूति खण्ड, गोमती नगर, लखनऊ
फ़ोन : 0522 : 4087600,4087700
फैक्स : 0522 : 4087602

PICUP Bhawan, Vibhuti Khand, Gomtinagar, Lucknow
Phone : 0522- 4087600,4087700
Fax : 0522 - 4087602

S.No. F/2025/20 (P)

FRESH WATER
TEST REPORT

	Date of test report:05/02/2025	Date/period of testing:03/02/2025
1	परियोजना /Project/Test Programme	NGT
2	नमूने का स्त्रोत /भूजल /सरिता /अन्य/Sample Source (STP/ETP/Drain/any other)	Surface water
3	नमूने का प्रकार /ग्रैब/कम्पोजिट/Type of Sample (Grab/Composite)	Grab
4	नमूने एकत्र करने वाले व्यक्ति का विवरण/ Sample Collected/Deposited by	Sh. Shiv Singh Kushwaha, JLA
5	नमूना एकत्रीकरण की तिथि/Date of Sample collection	24/01/2025
6	प्रयोगशाला में नमूना प्राप्ति की तिथि/Date of sample receipt in laboratory	29/01/2025
7	नमूना एकत्रण पद्धति/Sampling procedure.....Please Refer.....	CB/ZLN/SOP/7.3/2 Issue No. 01
8	विश्लेषण हेतु आवेदनकर्ता/Analysis indented by	Sh. P. Jagan, Regional Director Bhopal

क्रम सं. S. No.	पैरामीटर Parameter	इकाई Unit	नमूनों का विवरण/कोड इत्यादि Description of sample/Code etc.				
			RD BPL FW/24-25/77	RD BPL FW/24-25/78	RD BPL FW/24-25/79	RD BPL FW/24-25/80	RD BPL WW/24-25/199
1.	α-बी.एच.सी./ α-BHC	माइक्रो.ग्रा./लि. µg/L	NT	0.036	NT	NT	0.001
2.	β-बी.एच.सी./ β-BHC	माइक्रो.ग्रा./लि. µg/L	0.048	0.034	0.012	0.004	0.003
3.	γ-बी.एच.सी./ γ-BHC	माइक्रो.ग्रा./लि. µg/L	NT	NT	NT	NT	NT
4.	δ-बी.एच.सी./ δ -BHC	माइक्रो.ग्रा./लि. µg/L	NT	NT	0.029	NT	0.031
5.	एल्ड्रिन/Aldrin	माइक्रो.ग्रा./लि. µg/L	NT	0.021	0.049	0.005	0.023
6.	क्लोरपाईरीफोस/Chlorpyrifos	माइक्रो.ग्रा./लि. µg/L	NT	NT	NT	NT	NT
7.	इंडोसल्फान-I/Endosulfan-I	माइक्रो.ग्रा./लि. µg/L	0.013	NT	0.029	NT	0.014
8.	4,4 डीडीई/4,4 DDE	माइक्रो.ग्रा./लि. µg/L	0.042	NT	0.013	NT	0.006
9.	इंडोसल्फान-II/Endosulfan-II	माइक्रो.ग्रा./लि. µg/L	0.010	0.043	0.023	NT	0.045
10.	2,4डीडीटी/2,4 DDT	माइक्रो.ग्रा./लि. µg/L	NT	0.101	NT	NT	NT
11.	4,4डीडीटी/4,4 DDT	माइक्रो.ग्रा./लि. µg/L	NT	NT	0.008	NT	NT

विश्लेषण विधि हेतु क.प.उ./*Test methods followed are appended overleaf*

CODE	Description
RD BPL FW/24-25/77	Surface water
RD BPL FW/24-25/78	Surface water
RD BPL FW/24-25/79	Surface water
RD BPL FW/24-25/80	Surface water
RD BPL WW/24-25/199	Surface water

End of Test Report

Poonam 5/2/25
(Poonam Pandey)
आख्या बनाने वाले के हस्ताक्षर/Prepared by (Name & Sign)

Anamika 05/02/25
(डॉ0 अनामिका सिंह)
वैज्ञानिक 'ग' एवं प्रभारी प्रयोगशाला
के0 प्र0 नि0 बोर्ड, लखनऊ
अधिकृत हस्ताक्षरकर्ता/Authorized Signatory

Note : 1. The results in the Test Report relate only to the items tested : 2. The report shall not be reproduced except in full, without the written permission of laboratory

Parameters	Test Method
α-BHC	APHA 6630A,B & C Page No.6-121 To 134 22nd Edition 2012
β-BHC	APHA 6630A,B & C Page No.6-121 To 134 22nd Edition 2012
γ-BHC	APHA 6630A,B & C Page No.6-121 To 134 22nd Edition 2012
δ -BHC	APHA 6630A,B & C Page No.6-121 To 134 22nd Edition 2012
Aldrin	APHA 6630A,B & C Page No.6-121 To 134 22nd Edition 2012
Chlorpyrifos	US EPA 8141B Rev.2 Feb, 2007
Endosulfan-I	APHA 6630A,B & C Page No.6-121 To 134 22nd Edition 2012
4,4 DDE	APHA 6630A,B & C Page No.6-121 To 134 22nd Edition 2012
Endosulfan-II	APHA 6630A,B & C Page No.6-121 To 134 22nd Edition 2012
2,4 DDT	APHA 6630A,B & C Page No.6-121 To 134 22nd Edition 2012
4,4 DDT	APHA 6630A,B & C Page No.6-121 To 134 22nd Edition 2012

1. American Public Health Association (APHA)
2. IS – Indian Standard

Abbreviation : NT – Not traceable

Annexure-09
Annexure-01

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Regional Directorate (Central)
Central Pollution Control Board
"Parivesh Bhawan", Paryavaran Parisar, E-5, Arera Colony,
Bhopal-462016
Tel: 0755-2775385/86, Fax: 0755-2775587
EPA Recognized Lab-2015

TEST REPORT

Bio Monitoring/Analysis Report

Project Name	**Honorable NGT Case no. 1375/2024**			
Sample from:	Chandraloi River		**Req. No: 106**	**Test Report No:**
Sample Description:	Chandraloi River at Anicute Pulia, Kota		**Registration No:**	FW/24-25/78
Date of Collection:	25/01/2025	**Type of sample: Composite**	**Date:**	31/01/2025
Date of Receipt:	26/01/2025	**Sample collected by**	Dr. Anoop Chaturvedi, Sh. R. Bandewar and RSPCB, Kota Team	
Date of analysis:	29/01/2025			

S.No.	Parameters	Result	Method
1.	Saprobic Score	**4.5**	Biological Water Quality Criteria Based on Saprobic & Diversity Score.
2.	Diversity Score	**0.33**	
3.	Water Quality	**Heavy Pollution**	
4.	Water Quality Class	**D**	
5.	Indicator Colour	**Orange**	

Monitoring By:

Analyze By:

Lab Head
Authorized Signatory

मिलिन्द कुमार निमजे/Milind Kumar Nimje
वैज्ञानिक-'ग',लैब प्रमुख एवं सरकारी विश्लेषक
Scientist-'G' Lab Head & Government Analyst
क्षेत्रीय निदेशालय / Regional Directorate
केन्द्रीय प्रदूषण नियंत्रण बोर्ड,भोपाल (म.प्र.)
Central Pollution Control Board,Bhopal (M.P.)

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Regional Directorate (Central)
Central Pollution Control Board
"Parivesh Bhawan", Paryavaran Parisar, E-5, Arera Colony,
Bhopal-462016
Tel: 0755-2775385/86, Fax: 0755-2775587
EPA Recognized Lab-2015

TEST REPORT

Bio Monitoring/Analysis Report

Project Name	**Honorable NGT Case no. 1375/2024**			
Sample from:	Chandraloi River		**Req. No:106**	**Test Report No:**
Sample Description:	Chandraloi River at Ramkhedli Pulia, Kota		**Registration No:**	FW/24-25/79
Date of Collection:	25/01/2025	**Type of sample: Composite**	**Date:**	31/01/2025
Date of Receipt:	26/01/2025	**Sample collected by**	Dr. Anoop Chaturvedi, Sh. R. Bandewar and RSPCB, Kota Team	
Date of analysis:	29/01/2025			

S.No.	Parameters	Result	Method
1.	Saprobic Score	**3.6**	Biological Water Quality Criteria Based on Saprobic & Diversity Score.
2.	Diversity Score	**0.33**	
3.	Water Quality	**Heavy Pollution**	
4.	Water Quality Class	**D**	
5.	Indicator Colour	**Orange**	

Monitoring By:

Analyze By:

Lab Head
Authorized Signatory

Scientist-'C' Lab Head & Government Analyst
क्षेत्रीय निदेशालय / Regional Directorate
केन्द्रीय प्रदूषण नियंत्रण बोर्ड,भोपाल (म.प्र.)
Central Pollution Control Board,Bhopal (M.P.)

Regional Directorate (Central)
Central Pollution Control Board
"Parivesh Bhawan", Paryavaran Parisar, E-5, Arera Colony,
Bhopal-462016
Tel: 0755-2775385/86, Fax: 0755-2775587
EPA Recognized Lab-2015

TEST REPORT

Bio Monitoring/Analysis Report

Project Name		**Honorable NGT Case no. 1375/2024**		
Sample from:		River Chambal at Kota	**Req. No:**	**Test Report No:**
Sample Description:		River Chambal A/C Chandraloi River	**Registration No:**	FW/24-25/80
Date of Collection:		25/01/2025 **Type of sample: Composite**	**Date:**	31/01/2025
Date of Receipt:		26/01/2025 **Sample collected by**	Dr. Anoop Chaturvedi, Sh. R. Bandewar and RSPCB, Kota Team	
Date of analysis:		29/01/2025		
S.No.	**Parameters**	**Result**	**Method**	
1.	Saprobic Score	**5.7**	Biological Water Quality Criteria Based on Saprobic & Diversity Score.	
2.	Diversity Score	**0.42**		
3.	Water Quality	**Moderate Pollution**		
4.	Water Quality Class	**C**		
5.	Indicator Colour	**Green**		

Monitoring By:

Analyze By:

Lab Head
Authorized Signatory

Central Pollution Control Board, Bhopal (M.P.)

Annexure-10

REGIONAL OFFICE Tele: 0744 –2490873
क्षेत्रीय कार्यालय

RAJASTHAN STATE POLLUTION CONTROL BOARD
राजस्थान राज्य प्रदूषण नियंत्रण मण्डल

Plot No. 2A, Road No. 6, Indraprastha Industrial Area, Kota (Rajasthan)

RPCB/ROK/Lab/Gen.-45/ 2218 Date:- 7/2/25

The Regional Officer,
Rajasthan State Pollution Control Board,
Kota.

Subject: - Analysis reports of water/ waste water sample.

Sir,

Please find herewith analysis reports no 7119-7124 for water/waste water samples for kind perusal and further necessary action.

Enclosed: - As above

Yours Sincerely

Lab Incharge

FORM - X

RAJASTHAN STATE POLLUTION CONTROL BOARD

REPORT OF THE STATE BOARD ANALYST

(See Rule - 24)

Report No. : **7119**

Report On : **07/02/2025**

I hereby certify that I **Ms Rinku Singhal**, State Board Analyst duly appointed **under sub Section(3) of Section 53 of the Water (Prevention & Control of Pollution) Act, 1974** received on the **25/01/2025** from **KIRAN KUMARI VAISHNAV, JSO, Kota ,RSPCB Kota** a sample of **Waste Water** of **M/S DCMSCL, Kota , Plant - , , City- Shriram Nagar Tehsil- Ladpura , District- Kota** Collected from **Final Outlet DCM Shriram Kota** Collected on **25/01/2025**. The Sample was in a condition fit for analysis as reported below :-

I further certify that I have analyzed the aforementioned sample on **07/02/2025** and declare the result of the analysis to be as below :-

S. No.	Parameters	Result
1	Bio-Assay Test LC.....,.....gms,....% by volume of the sample	100% survival of fish after 96hrs in 100% effluent

The condition of the seals, fastening and container on receipt was as follows : **Intact**

Signed This On **07/02/2025**

Ms Rinku Singhal
BOARD ANALYST
Rajasthan State Pollution Control Board
Regional Office Kota
SPL-2A, Road no. 6, Indrapasth Ind. Area, Kota
Phone: 0744-2490873

Signature valid
Digitally signed by Rinkoo Singhal
Date: 2025.02.07 [illegible]:34 IST
Reason: Self Attested
Location:

FORM - X

RAJASTHAN STATE POLLUTION CONTROL BOARD

REPORT OF THE STATE BOARD ANALYST

(See Rule - 24)

Report No. : **7120**

Report On : **07/02/2025**

I hereby certify that I **Ms Rinku Singhal**, State Board Analyst duly appointed **under sub Section(3) of Section 53 of the Water (Prevention & Control of Pollution) Act, 1974** received on the **25/01/2025** from **KIRAN KUMARI VAISHNAV, JSO, Kota ,RSPCB Kota** a sample of **Waste Water** of **M/S Shriram Rayons , Plant - , , Tehsil- Ladpura , District- Kota** Collected from **Final Outlet Shriram Rayon Kota** Collected on **25/01/2025**. The Sample was in a condition fit for analysis as reported below :-

I further certify that I have analyzed the aforementioned sample on **07/02/2025** and declare the result of the analysis to be as below :-

S. No.	Parameters	Result
1	Bio-Assay Test LC.....,.....gms,....% by volume of the sample	100% survival of fish after 96hrs in 100% effluent

The condition of the seals, fastening and container on receipt was as follows : **Intact**

Signed This On **07/02/2025**

Ms Rinku Singhal
BOARD ANALYST
Rajasthan State Pollution Control Board
Regional Office Kota
SPL-2A, Road no. 6, Indrapasth Ind. Area, Kota
Phone: 0744-2490873

Signature valid
Digitally signed by Rinkoo Singhal
Date: 2025.02.07 16:45:20 IST
Reason: Self Attested
Location:

FORM - X

RAJASTHAN STATE POLLUTION CONTROL BOARD

REPORT OF THE STATE BOARD ANALYST

(See Rule - 24)

Report No. : **7121**

Report On : **07/02/2025**

I hereby certify that I **Ms Rinku Singhal**, State Board Analyst duly appointed **under sub Section(3) of Section 53 of the Water (Prevention & Control of Pollution) Act, 1974** received on the **25/01/2025** from **KIRAN KUMARI VAISHNAV, JSO, Kota ,RSPCB Kota** a sample of **Water** of **Chandraloi River, Ladpura , Kota ,** Collected from **River Chandraloi near Chandrsal math anicut Kota** Collected on **24/01/2025**. The Sample was in a condition fit for analysis as reported below :-

I further certify that I have analyzed the aforementioned sample on **07/02/2025** and declare the result of the analysis to be as below :-

S. No.	Parameters	Result
1	Bio-Assay Test LC.....,.....gms,....% by volume of the sample	90% survival of fish after 96hrs in 100% effluent

The condition of the seals, fastening and container on receipt was as follows : **Intact**

Signed This On **07/02/2025**

Ms Rinku Singhal

BOARD ANALYST

Rajasthan State Pollution Control Board

Regional Office Kota

SPL-2A, Road no. 6, Indrapasth Ind. Area, Kota

Phone: 0744-2490873

Signature valid

Digitally signed by Rinkoo Singhal
Date: 2025.02.07 16:46:31 IST
Reason: Self Attested
Location:

FORM - X

RAJASTHAN STATE POLLUTION CONTROL BOARD

REPORT OF THE STATE BOARD ANALYST

(See Rule - 24)

Report No. : **7122**

Report On : **07/02/2025**

I hereby certify that I **Ms Rinku Singhal**, State Board Analyst duly appointed **under sub Section(3) of Section 53 of the Water (Prevention & Control of Pollution) Act, 1974** received on the **25/01/2025** from **KIRAN KUMARI VAISHNAV, JSO, Kota ,RSPCB Kota** a sample of **Water** of **Chandralol River, Ladpura , Kota ,** Collected from **River Chandraloi Ramkhedli bridge Kota** Collected on **24/01/2025**. The Sample was in a condition fit for analysis as reported below :-

I further certify that I have analyzed the aforementioned sample on **07/02/2025** and declare the result of the analysis to be as below :-

S. No.	Parameters	Result
1	Bio-Assay Test LC.....,.....gms,....% by volume of the sample	90% survival of fish after 96 hrs in 100% effluent

The condition of the seals, fastening and container on receipt was as follows : **Intact**

Signed This On **07/02/2025**

Ms Rinku Singhal
BOARD ANALYST
Rajasthan State Pollution Control Board
Regional Office Kota
SPL-2A, Road no. 6, Indrapasth Ind. Area, Kota
Phone: 0744-2490873

Signature valid
Digitally signed by Rinkoo Singhal
Date: 2025.02.07 16:48:34 IST
Reason: Self Attested
Location:

FORM - X

RAJASTHAN STATE POLLUTION CONTROL BOARD

REPORT OF THE STATE BOARD ANALYST

(See Rule - 24)

Report No. : **7123**

Report On : **07/02/2025**

I hereby certify that I **Ms Rinku Singhal**, State Board Analyst duly appointed **under sub Section(3) of Section 53 of the Water (Prevention & Control of Pollution) Act, 1974** received on the **25/01/2025** from **KIRAN KUMARI VAISHNAV, JSO, Kota ,RSPCB Kota** a sample of **Water** of **Chandraloi River, Ladpura , Kota ,** Collected from **River Chandraloi Upstream Kanwarpura village** Collected on **25/01/2025**. The Sample was in a condition fit for analysis as reported below :-
I further certify that I have analyzed the aforementioned sample on **07/02/2025** and declare the result of the analysis to be as below :-

S. No.	Parameters	Result
1	Bio-Assay Test LC.....,.....gms,....% by volume of the sample	100% survival of fish after 96hrs in 100% effluent

The condition of the seals, fastening and container on receipt was as follows : **Intact**

Signed This On **07/02/2025**

Ms Rinku Singhal
BOARD ANALYST
Rajasthan State Pollution Control Board
Regional Office Kota
SPL-2A, Road no. 6, Indrapasth Ind. Area, Kota
Phone: 0744-2490873

Signature valid
Digitally signed by Rinkoo Singhal
Date: 2025.02.07 16:50:18 IST
Reason: Self Tested
Location:

FORM - X

RAJASTHAN STATE POLLUTION CONTROL BOARD

REPORT OF THE STATE BOARD ANALYST

(See Rule - 24)

Report No. : **7124**

Report On : **07/02/2025**

I hereby certify that I **Ms Rinku Singhal**, State Board Analyst duly appointed **under sub Section(3) of Section 53 of the Water (Prevention & Control of Pollution) Act, 1974** received on the **25/01/2025** from **KIRAN KUMARI VAISHNAV, JSO, Kota ,RSPCB Kota** a sample of **Water** of **River Chambal , Manas Gaon, Kota ,** Collected from **Chambal River A/C Chandraloi river near Manas village Kota** Collected on **25/01/2025**. The Sample was in a condition fit for analysis as reported below :-

I further certify that I have analyzed the aforementioned sample on **07/02/2025** and declare the result of the analysis to be as below :-

S. No.	Parameters	Result
1	Bio-Assay Test LC.....,.....gms,....% by volume of the sample	100% survival of fish after 96hrs in 100% effluent

The condition of the seals, fastening and container on receipt was as follows : **Intact**

Signed This On **07/02/2025**

Ms Rinku Singhal
BOARD ANALYST
Rajasthan State Pollution Control Board
Regional Office Kota
SPL-2A, Road no. 6, Indrapasth Ind. Area, Kota
Phone: 0744-2490873

Signature valid
Digitally signed by Rinkoo Singhal
Date: 2025.02.07 16:56:09 IST
Reason: Self Tested
Location:

Book No. : 650 | Serial No. : 3

Dispatch No.......... | Date..........

(Name) Dr. A.K Pandey, Dr Mamata, Dr Banwari Govt. Veterinary Hospital... V.P.C. Kota
Dr Mahesh [illegible], Dr [illegible]

Date and hour of Death of Animal... 30-11-24 & 4 pm is time of examination, Death before 24 hrs of examination

Date and Hour of Examination..........

Camp— Raipura .... Place of Examination..........

Certified that this the 30th November 2024 (Date) (Month) 20.... (Year) I have Examined a... male crocodile (Kind of Animal)

at the request of... RO, Kadpura, Kota (Name & Address)

.... said to be the property of... Forest Deptt. Kota

.... (Name & Address)

having the following description :

1. IDENTIFICATION

A. Crocodylus (Species) | fresh water mugger (Breed) | male (Sex) | old (Age) | Grey (Colour) | — (Height)

B. Natural Body Marking —

Ear Tag No. — .... Ear Left/Right

2. NECROPSY DIAGNOSIS

GROSS POST MORTEM FINDINGS

A. GENERAL :

NAD (Condition of the Cadaver) | NAD (Hair coat) | NAD (Body Orifices) | Present, hind fork left, webbed (Scars)

.... (Injuries, superficial, tumors etc. with location and dimension) right & feet absent, & scar were seen

dilated (Condition of pupil & eye) | present (Rigor-Mortis)

B. INTERNAL EXAMINATION

a) Primary Incision

NAD (S/C fat, Muscles) | NAD Peritoneum | NAD (Position of Viscera)

.... (Body Lymph nodes) | (Hemorrhages etc.) | — (Others)

b) Respiratory System... Partially congested tract (Larynx) (Trachea)

Heart filled with partially clotted blood

.... (Gall Bladder) .... — .... (Bile Duct) ....—....

Gastro Intestinal tract........—........

(Mouth) (Tongue) (Oesophagus)

stomach contain empty glass vials, bones, stones like

(Rumen) (Reticulum) (Omasum) (Abomasums/Stomach)

non edible items, scanty of digested feces in

(Small Intestine) (Caecum) (Colon) (Rectum) (Anus)

scanty

-) Urinary System.......Partially congested

(Kidneys) (Ureters) (Bladder) (Urethra)

f) Genital System.......NAD .... NAD

(Penis/Vulva) (Testes/ovaries)

.......NAD .... NAD

(Epididymus/Oviducts) (Spermatic Cord/Uterus)

.......NAD

(Prostate/Cervix) (Seminal Vesicles/Vagina) Bulbuo-urethral Glands

Note : If pregnent, mention stage of pregnancy..........

g) Body cavities

1. Head.........
2. Brain......... } Not opened
3. Spinal Cord ...

(Note : These need not to be examined unless any indication of disease/injury exists)

h) Bones and Joints...NAD teeth evulsion seen (11 teeth evuls

i) Musculature...whitish looks anemic

3. BACTERIOLOGICAL/CHEMICAL EXAMINATIONS

(Please state whether any sample sent for examination, if so where and result ?)

.......Not conducted

4. REMARKS : (Please note your opinion as to the value of the animal at the time of death considering all aspects) The above said crocodile was old

5. OPINION : as to the cause of death

In the opinion of 3 members board the above said crocodile was died due to multiple organ failure.

Signature [signatures]

Dr Bunwari — Dr. Mamta Gupta — Dr. A K Pandey

Name ....

Designation with seal ....

पशु चिकित्साधिकारी ... वरिष्ठ पशु चिकित्साधिकारी ... वरिष्ठ पशु चिकित्सक

बहुउद्देशीय पशु चिकित्सालय कोटा

Signature of recipient

Note: 1. The officer conducting the post mortem will observe the state of all the organs and when he/she does not find any disease or injury, he should write in appropriate places "Healthy or N.A.D.;"

2. The name of the party/Police Officer or Magistrate who sent the animal should be entered carefully along with the number and date of the letter received

RECORD OF NECROPSY EXAMINATION

2/21

E OF PROTECTED AREA/ZOO: VAN MAHIDAL KOTA

AME OF SPECIES with scientific name: Crocodylus palustris

GE (approximate): 9 yrs. SEX: Male AMBIENT TEMPERATURE in °C (at the time of acquisition): 30° C

ATE OF NECROPSY: 01.12.24 DATE & TIME OF DEATH (estimated): 03 days prior to pm exam.

IME OF ACQUISITION OF CARCASS: 4:30 pm TIME OF DISPOSAL OF CARCASS: 6.00 pm

PS LOCATION AT PLACE OF DEATH & PLACE OF NECROPSY (if different):

25.21363, 75.94604 @ 25°9'36", 75°54'3"

AREA DESCRIPTION (topography, water source, etc.):

I. HISTORY OF DEATH

1. Brief History:

2. Observation of the surroundings: The carcass was found floating in the Chambal River

3. Other relevant information:

II. EXTERNAL EXAMINATION

PHYSICAL CONDITION: Normal ☐ Poor ☐ Emaciated ☐ RIGOR MORTIS: Passed

SUPERFICIAL LYMPH GLANDS: NAD MUCOUS-MEMBRANE: NAD

NATURAL ORIFICES: BODY WEIGHT in kg (approximate):

BODY LENGTH in cm (nose to tip of tail): 214 TAIL LENGTH in cm (base of tail to tip of tail): 77 (about 25 cm missing)

HEIGHT AT WITHERS in cm: 36 CHEST GIRTH in cm: 103

STATE OF CARCASS: Fresh ☐ Refrigerated ☐ Deep frozen ☐ Decomposed ☐ Incomplete ☐

STATE OF DECOMPOSITION refer Annexure: Fresh ☐ Bloated ☐ Active decay ☐ Advanced decay ☐

DESCRIPTION OF WOUNDS/INJURIES, if any: About 25 cm tail piece found absent

OTHER REMARKABLE OBSERVATIONS, if any:

Vital Measurements (whichever applicable):–

Rt. FORE FOOT-PAD GIRTH & LENGTH X BREADTH in cm (carnivores) refer Annexure:

LENGTH OF CANINE TEETH in cm (carnivores): Upper Right Upper Left Lower Left Lower Right

Rt. FORE FOOT-PAD CIRCUMFERENCE in cm (elephant):

LENGTH & CIRCUMFERENCE (at base) OF BOTH TUSK/TUSH in cm (elephant):

OTHERS (Length of Antler/Horn, Length & Circumference of Rhinoceros Horn, etc):

III. INTERNAL EXAMINATION

A. SKIN, SUBCUTANEOUS TISSUE & MUSCLES:	Skin sloughy off.
B. BODY CAVITIES: 1. POSITION OF VISCERAL ORGANS 2. PERITONEAL CAVITY 3. PLEURAL CAVITY AND PLEURA	Normally placed. putrefied
C. RESPIRATORY SYSTEM: 1. LARYNX 2. TRACHEA 3. BRONCHI AND BRONCHIOLES 4. LUNGS (Appearance, color & consistency) 5. LYMPH GLANDS 6. DIAPHRAGM	N.A.D. Dark black grayish in colour. putrefied.
D. HEPATIC SYSTEM: 1. LIVER (Appearance, size, color) 2. LIVER TISSUE 3. GALL BLADDER & DUCTS 4. LYMPH GLANDS	grayish in colour Putrefaction started
E. CIRCULATORY & LYMPHATIC SYSTEM: 1. PERICARDIAL SAC 2. HEART MUSCLE 3. HEART CHAMBERS 4. LARGE BLOOD VESSELS 5. SMALL BLOOD VESSELS (Mesenteric) 6.SPLEEN (Appearance, size, color) 7. SPLENIC TISSUE	Heart filled with dark coloured fluid. Putrefied Spleen putrefied
F. DIGESTIVE TRACT: 1. PHARYNX 2. ESOPHAGUS	N.A.D.
3. STOMACH (Simple): (i) Cardiac zone, (ii) Fundus, (iii) Pylorus	Empty. Stones found.
(Compound): (i) Rumen, (ii) Reticulum, (iii) Omasum, (iv) Abomasum	
4. SMALL INTESTINES: (i) Duodenum, (ii) Jejunum, (iii) Ileum	Empty.
5. LARGE INTESTINES: (i) Caecum, (ii) Colon, (iii) Rectum	Nearly faecal material.
6. LYMPH GLANDS (Mesenteric)	

UROGENITAL ORGANS: KIDNEYS (Color and appearance) URINARY BLADDER		Putrified. Putrified.
REPRODUCTIVE ORGANS	(i) Testes/Penis/Glands (ii) Ovary/Uterus/Vagina	
ADRENALS:		
HEAD: BUCCAL & NASAL CAVITIES TONGUE BRAIN AND SPINAL CORD		NAD.
I. SKELETON:		NAD

IV. SUMMARY OF MAJOR FINDINGS:

Stomach nearly empty.
Intestines empty.
Vital organs nearly putrified.

S. No.	Sample	Preservative used	Examination required	Laboratory address
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				

IV. PROVISIONAL DIAGNOSIS:

As all the vital organs were found
nothing can could be said about the cause of
death of the above mentioned animal.

Place. KOTA

Date. 01.12.2024

1.Signature:

Veterinarian's Name: Dr. Vilas Rao Gulhane

Designation: SVO WL KTA

2.Signature:

Veterinarian's Name: Dr. J.S. (डॉ० तेजिन्दर सिंह रियाड़)
सहायक पशु चिकित्सा अधिकारी
मुकन्दरा हिल्स टाईगर रिजर्व
कोटा (राज०)

Designation: SVO

Dr. Mahesh Meena (4249)
VO, VH Badgaon (Kota)

Note: Attach a rough sketch of the area duly signed by the competent authority

RECORD OF NECROPSY EXAMINATION

2/21

NAME OF PROTECTED AREA/ZOO: YANI MANDAL KOTA

NAME OF SPECIES with scientific name: Crocodylus palustris

AGE (approximate): 7yrs. SEX: female AMBIENT TEMPERATURE in °C (at the time of acquisition): 30°C

DATE OF NECROPSY: 01.12.24 DATE & TIME OF DEATH (estimated): 03 days prior to pm examn.

TIME OF ACQUISITION OF CARCASS: 4.30pm TIME OF DISPOSAL OF CARCASS: 6.00 p.m.

GPS LOCATION AT PLACE OF DEATH & PLACE OF NECROPSY (if different): 25.21363 , 75.94604 25°9'36", 75°54'3"

AREA DESCRIPTION (topography, water source, etc.):

I. HISTORY OF DEATH

1. Brief History:

2. Observation of the surroundings: The carcass was found floating in the Chambal River

3. Other relevant information:

II. EXTERNAL EXAMINATION

PHYSICAL CONDITION: Normal ☐ Fat ☐ Thin ☐ Emaciated ☐ RIGOR MORTIS: Passed

SUPERFICIAL LYMPH GLANDS: N/AD MUCOUS-MEMBRANE: N/AD

NATURAL ORIFICES: BODY WEIGHT in kg (approximate):

BODY LENGTH in cm (nose to tip of tail): 206 TAIL LENGTH in cm (base of tail to tip of tail): 90

HEIGHT AT WITHERS in cm: 26 CHEST GIRTH in cm: 92

STATE OF CARCASS: Fresh ☐ Refrigerated ☐ Deep frozen ☐ Decomposed ☐ Incomplete ☐

STATE OF DECOMPOSITION refer Annexure: Fresh ☐ Bloated ☐ Active decay ☐ Advanced decay ☐

DESCRIPTION OF WOUNDS/INJURIES, if any: No apt wounds observed

OTHER REMARKABLE OBSERVATIONS, if any:

Vital Measurements (whichever applicable):--

Rt. FORE FOOT-PAD GIRTH & LENGTH X BREADTH in cm (carnivores) refer Annexure:

LENGTH OF CANINE TEETH in cm (carnivores): Upper Right..... Upper Left..... Lower Left..... Lower Right.....

Rt. FORE FOOT-PAD CIRCUMFERENCE in cm (elephant):

LENGTH & CIRCUMFERENCE (at base) OF BOTH TUSK/TUSH in cm (elephant):

OTHERS (Length of Antler/Horn, Length & Circumference of Rhinoceros Horn, etc):

- 1 -

G. UROGENITAL ORG
1 KIDNEYS (Cow)
2 URINARY

III. INTERNAL EXAMINATION

A. SKIN, SUBCUTANEOUS TISSUE & MUSCLES:		Skin sloughy off.
B. BODY CAVITIES: 1. POSITION OF VISCERAL ORGANS 2. PERITONEAL CAVITY 3. PLEURAL CAVITY AND PLEURA		Normally placed Putrified
C. RESPIRATORY SYSTEM: 1. LARYNX 2. TRACHEA 3. BRONCHI AND BRONCHIOLES 4. LUNGS (Appearance, color & consistency) 5. LYMPH GLANDS 6. DIAPHRAGM		NAD Dark black greyish in colour. Putrified
D. HEPATIC SYSTEM: 1. LIVER (Appearance, size, color) 2. LIVER TISSUE 3. GALL BLADDER & DUCTS 4. LYMPH GLANDS		greyish in colour
E. CIRCULATORY & LYMPHATIC SYSTEM: 1. PERICARDIAL SAC 2. HEART MUSCLE 3. HEART CHAMBERS 4. LARGE BLOOD VESSELS 5. SMALL BLOOD VESSELS (Mesenteric) 6. SPLEEN (Appearance, size, color) 7. SPLENIC TISSUE		Heart filled c dark colobnd fluid Putrified Spleen putrified.
F. DIGESTIVE TRACT: 1. PHARYNX 2. ESOPHAGUS		NAD
3. STOMACH (Simple)	(i) Cardiac zone (ii) Fundus (iii) Pylorus	Empty (stones found)
(Compound)	(i) Rumen (ii) Reticulum (iii) Omasum (iv) Abomasum	
4. SMALL INTESTINES	(i) Duodenum (ii) Jejunum (iii) Ileum	Nearly Empty
5. LARGE INTESTINES	(i) Caecum (ii) Colon (iii) Rectum	Scanty faecal material
6. LYMPH GLANDS (Mesenteric)		

DEPARTMENT OF ANIMAL ...

G. UROGENITAL ORGANS: 1 KIDNEYS (Color and appearance) 2 URINARY BLADDER	Putrified
3 REPRODUCTIVE ORGANS (i) ~~Testes/Penis/Glands~~ (ii) Ovary/Uterus/Vagina	Putrified
H. ADRENALS:	
I. HEAD: 1. BUCCAL & NASAL CAVITIES 2. TONGUE 3. BRAIN AND SPINAL CORD	NAD
J. SKELETON:	NAD.

IV. SUMMARY OF MAJOR FINDINGS:

Stomach nearly empty
Intestine nearly empty
Vital organs nearly putrified.

S. No.	Sample	Preservative used	Examination required	Laboratory address
1	(1) Stomach content	Sat. Saline	Toxicological	Regional Forensic
2	c̄ Int. loop	Sdn	Exam	Sc. Lab. Kota
3				
4				
5				
6				
7				
8				
9				
10				

IV. PROVISIONAL DIAGNOSIS:

After receiving report from FSC.

Place. KOTA

Date. 01.02.2024

1.Signature:

Veterinarian's

Designatio:

2 Signature:

Veterinarian's n

Designation:

(डॉ० तेजिन्दर सिंह रियाड़)
वरिष्ठ पशु चिकित्साधिकारी
मुकन्दरा हिल्स टाईगर रिजर्व
कोटा (राज०)

Dr Mahesh Meena (4249)
VO, VH Badgaon (Kota)

Note: Attach a rough sketch of the area duly signed by the competent authority

Government of Rajasthan

DEPARTMENT OF ANIMAL HUSBANDRY, RAJASTHAN

POST MORTEM REPORT

Book No. : 650 Serial No. : 3

Dispatch No..... Date.....

(Name) Dr. Dr. Akhilesh Pandey SVO, Dr. Mamta Gupta SVO, Dr. Avani Rathod SVO Govt. Veterinary Hospital Pdydinic, Kota

Date and hour of Death of Animal Before 24 hrs of Necropsy exam

Date and Hour of Examination 4/12/24, 8:15 A.M.

Camp V.P.C., Kota Place of Examination Vet. Polydinic, Kota

Certified that on this the 4th day of Dec 20.24 I have Examined a Fresh Water Croca

(Date) (Month) (Year) (Kind of Animal)

at the request of Range Officer forest, Ladpura, Kota

(Name & Address)

said to be the property of Forest Department, Kota

(Name & Address)

having the following description :

1. IDENTIFICATION

A. Crocodylus Sp: female fit Hoys Approx. Greyish Length - 105" Tail length - 51" Girth - 41"

(Species) (Breed) (Sex) (Age) (Colour) (Height)

B. Natural Body Marking

Length Left fore limb - 16" Right fore limb - 16" Upper jaw - 12" Lower jaw length - 10.5"

Left Hind limb - 18" Right hind limb - 19"

Ear Tag No..... Ear : Left/Right

2. NECROPSY DIAGNOSIS Body weight - 86 kg 35 teeth in lower jaw 37 teeth in upper jaw

GROSS POST MORTEM FINDINGS

A. GENERAL :

Normal — Blood tinged fluid from nostrils

(Condition of the Cadaver) (Hair coat) (Body Orifices) (Scars)

and oral cavity

(Injuries, superficial, tumors etc. with location and dimension)

Dilated pupil & Vuldging eye Rigor mortis absent

(Condition of pupil & eye) (Rigor-Mortis)

B. INTERNAL EXAMINATION

a) Primary Incision :

NAD Blood tinged fluid approx. 40ml in peritonium.

S/C fat, Muscles) (Peritoneum) (Position of Viscera) NAD

NAD —

(Body Lymph nodes) (Hemorrhages etc.) (Others)

b) Respiratory System NAD

(Larynx) (Trachea)

Circulatory System - Heart filled Chambers with Unclotted Blood in Heart

(d) Digestive System

Spleen ..... Pale and anaemic .....

Liver ..... N.A.D ..... (Dark Chocholate in colour .....

..... (Gall Bladder) Filled with Bile (Bile Duct) N.A.D .....

Gastro Intestinal tract ..... N.A.D ..... N.A.D ..... (Oesophagus) Partially filled with Boiled ingesta

(Mouth) (Tongue)

(Rumen) (Reticulum) (Omasum) (Abomasums/Stomach)

..... N.A.D ..... N.A.D ..... N.A.D ..... N.A.D ..... N.A.D

(Small intestine) (Caecum) (Colon) (Rectum) (Anus)

e) Urinary System .... Haemorrhagic kidneys ..... N.A.D ..... N.A.D

(Kidneys) (Ureters) (Bladder) (Urethra)

f) Genital System ..... Vent - N.A.D ..... Approx. hundreds of follicles of various sizes (Stages)

(Penis/Vulva) (Testes/ovaries)

..... N.A.D ..... N.A.D .....

(Epididymus/Oviducts) (Spermatic Cord/Uterus)

..... — ..... — .....

(Prostate/Cervix) (Seminal Vesicles/Vagina) Bulbuo-urethral Glands

Note : If pregnent, mention stage of pregnancy ..... —

g) Body cavities

1. Head ..... N.A.D .....
2. Brain ..... N.A.D .....
3. Spinal Cord ..... N.A.D .....

(Note : These need not to be examined unless any indication of disease/injury exists)

h) Bones and Joints ..... N.A.D .....

i) Musculature ..... N.A.D .....

3. BACTERIOLOGICAL/CHEMICAL EXAMINATIONS

(Please state whether any sample sent for examination, if so where and result ?)

Samples of Viscral Organs and Stomach and Intestinal Contents Sent to FSL for toxicological examination for common agricultural pesticides and insecticides.

4. REMARKS : (Please note your opinion as to the value of the animal at the time of death considering all aspects) Animal was protected under WPA, 1972 in Schedule I

5. OPINION : as to the cause of death

Cause of death will be provided after FSL report and IVRI.

वरिष्ठ पशु चिकित्साधिकारी
बहुउद्देशीय पशु चिकित्सालय
कोटा

Signature of recipient

वरिष्ठ पशु चिकित्साधिकारी
बहुउद्देशीय पशु चिकित्सालय
कोटा

Designation with seal

R.S.V.C No. 3001 Reg no. 2867

Note: 1. The officer conducting the post mortem will observe the state of all the organs and when he/she does not find any disease or injury, he should write in appropriate places "Healthy or N.A.D.;"

2. The name of the party/Police Officer or Magistrate who sent the animal should be entered carefully along with the number and date of the letter received.

क्षेत्रीय निदेशालय (मध्य), भोपाल
केन्द्रीय प्रदूषण नियंत्रण बोर्ड
(पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय, भारत सरकार)

क्षे.नि.भो./एन.जी.टी. ओए–1375/2024/2021

दिनांक: 23 जनवरी, 2025

एन.जी.टी. प्रकरण

प्रति,

डॉ. राखी खन्ना
अपर निदेशक
क्षेत्रीय फोरेंसिक विज्ञान प्रयोगशाला,
फोरेंसिक हाउस, आर.एस.सी. मैदान,
रावत भाटा रोड़, कोटा–324009
Email: rfsl.kota.fsl@rajasthan.gov.in

विषय: माननीय एनजीटी प्रिंसिपल बैंच, दिल्ली के प्र.क.–1375/2024, माननीय एनजीटी द्वारा स्वतः संज्ञान में पारित आदेश दिनांक: 19/12/2024 के अनुपालनार्थ।

संदर्भ: माननीय एनजीटी प्रिंसिपल बैंच, दिल्ली के प्र.क.–1375/2024 का आदेश दिनांक: 19/12/2024

महोदय,

कृपया उपरोक्त संदर्भित आदेश का अवलोकन करने का कष्ट करें (छायाप्रति संलग्न) कृपया सूचित हो कि माननीय एनजीटी के द्वारा इण्डियन एक्सप्रेस पेपर में दिनांक 06/12/2024 को कोटा में 04 कोकोडाईल की मृत्यु से संबंधित प्रकाशित खबर का स्वतः संज्ञान लिया है तथा इसे प्र.क.–1375/2024 के रूप में रजिस्टर्ड कर तथ्यों की जांच हेतु 04 सदस्यीय समिति का गठन किया है इस समिति द्वारा दिनांक 24–25 जनवरी, 2025 को कोटा में स्थल निरिक्षण किया जाना प्रस्तावित है।

उपरोक्त के संदर्भ में निवेदन है कि दिनांक 06/12/2024 को प्रकाशित खबर में चन्द्रलोई नदी के निकट कोकोडाईल की मृत्यु के संदर्भ में जिला वन संरक्षण अधिकारी, कोटा से प्राप्त नमूनों की फोरेंसिक रिपोर्ट वरियता के आधार पर उपलब्ध करवाने का कष्ट करें ताकि माननीय एनजीटी के समक्ष तथ्यात्मक रिपोर्ट समिति द्वारा प्रस्तुत की जा सके।

भवदीय,

(पी. जगन)
क्षेत्रीय निदेशक

संलग्नक: यथोपरि।

प्रतिलिपि: श्री अनुराग भटनागर, उप वन संरक्षक (वन्य जीव), कोटा, राजस्थान – कृपया स्थानीय प्रयोगशाला से समन्वय कर प्रकरण से संबंधित समस्त पोस्टमार्टम रिपोर्ट एकत्र करने हेतु प्रेषित।

क्षेत्रीय निदेशक

Annexure-13

डॉ. राखी खन्ना
अतिरिक्त निदेशक
क्षेत्रीय विधि विज्ञान प्रयोगशाला
रावतभाटा रोड़, कोटा, (राज.) 324009
दूरभाष नं. 0744–2400644, 2401644
Email:rfsl.kota.fsl@rajasthan.gov.in

Dr. Rakhi Khanna
Additional Director
Regional Forensic Science Laboratory
Kota (Raj.)- 324009
Contact No. 0744-2400644, 2401644
Email:rfsl.kota.fsl@rajasthan.gov.in

Respected Sh. P. Jagan. Ji
With Regards

आपका पत्र क्रमांक 2021 दिनांक 23.01.2025 इस कार्यालय को दिनांक 23.01.2025 को प्राप्त हुआ है, उक्त पत्र में एनजीटी प्रिंसिपल बैंच, दिल्ली के प्रकरण संख्या 1375/2024 की अतिशीघ्र परीक्षण रिपोर्ट चाही गई है। चूँकि पूर्व में उक्त प्रकरण के सन्दर्भ में प्राथमिकता पत्र इस कार्यालय में प्राप्त नहीं हुआ है। उक्त प्रकरण को आपके चाहेनुसार प्राथमिकता पर ले लिया गया है। प्रकरण का परीक्षण दिनांक 24.02.205 तक पूर्ण होने की सम्भावना है।

अतः दिनांक 24.02.2025 या उसके पश्चात् परीक्षण रिपोर्ट एवं प्रादर्श ले जाने हेतु विशेष वाहक को इस कार्यालय मे भिजवाए जाने का श्रम करे।

सधन्यवाद!

भवदीय

राखी खन्ना

(डॉ. राखी खन्ना)

श्री पी. जगन
क्षेत्रीय निदेशक (मध्य)
भोपाल (म.प्र.)

Annexure-14

कार्यालय उप वन संरक्षक, वन्य जीव कोटा (राज.)

जे.के.पेवेलियन, अन्तर्राष्ट्रीय स्टेडियम के सामने, नयापुरा, कोटा Phone No./ - 0744-2321263
Mail ID :- dcfwl.kota.forest@rajasthan.gov.in- 2- dcfwl232@gmail.com

क्रमांक : एफ ( )तकनीकी / उवसं / वजी / कोटा / 2024–25 / 640 दिनांक 23/11/25

निमित्त, डॉ. राखी खन्ना,
अपर निदेशक
क्षेत्रीय फोरेंसिक विज्ञान प्रयोगशाला
फोरेंसिक हाउस, आर.एस.सी. मैदान,
रावतभाटा रोड कोटा–324009

विषय :–माननीय एनजीटी प्रिंसिपल बैंच, दिल्ली के प्र.क.–1375 / 2024 माननीय एनजीटी द्वारा स्वतः संज्ञान में पारित आदेश दिनांक 19.12.2024 के अनुमोदनार्थ।

प्रसंग :– माननीय एनजीटी प्रिंसिपल बैंच, दिल्ली के प्र.क.–1375 / 2024 का आदेश दिनांक 19.12.2024

महोदय,

उपर्युक्त विषयान्तर्गत प्रासंगिक पत्र के क्रम में निवेदन है कि उप वन संरक्षक, कोटा का पत्र क्रमांक 6091 दिनांक 05.12.2024 एवं 5969 दिनांक 02.12.2024 से कॉकोडाईल का विसरा भेजा गया था। उससे संबंधित रिपोर्ट की कोर्ट में आवश्यकता है। उक्त प्रकरण में दिनांक 20.02.2025 तिथि नियत की गई है, उससे पूर्व ही प्रकरण की तथ्यात्मक रिपोर्ट **प्राथमिकता** पर उपलब्ध कराने का कष्ट करें, जिससे नियत तिथि पर प्रतिवेदन प्रस्तुत किया जा सके।

भवदीय,

(अनुराग कुमार भटनागर)
उप वन संरक्षक,
वन्य जीव, कोटा

REGIONAL FORENSIC SCIENCE LABORATORY,KOTA
R.A.C Ground,Rawat Bhata Road, Kota-324009
Tel: 0744-2401644, 2400644 EMaild Id : rfsl.kota.fsl@rajasthan.gov.in

Sl No: RFSL(KOT)/2307/TOX/24

Date :06/12/2024

Acknowledgement Receipt

Reference	DISTRICT FOREST CONSERVATOR OFFICER , KOTA CITY	District/Place	KOTA CITY
Letter No.	6091	Dated	05/12/2024
Case /FIR/Marg No	VISCERA OF CROCODILE	Dated	03/12/2024
Under Section	NIL		
Police Station	.	Date of Receipt	06/12/2024
Name of Messenger	SUBHASH MEENA	Belt No.	FORESTER
No of Received Packet(s)	2 (1 AND 2)		

06/12/2024

हिमांशु राठौर
कनिष्ठ प्रयोगशाला सहायक (विष)
क्षेत्रीय विधि विज्ञान प्रयोगशाला
कोटा (राज.)

(Signature with name & seal)
of acknowledgement receipt

Note: In all future correspondence, please quote complete description of acknowledgement receipt number and date otherwise reply will not be possible by this office.

REGIONAL FORENSIC SCIENCE LABORATORY,KOTA

R.A.C Ground,Rawat Bhata Road, Kota-324009

Tel: 0744-2401644, 2400644 EMaild Id : rfsl.kota.fsl@rajasthan.gov.in

Sl No: RFSL(KOT)/2260/TOX/24

Date :03/12/2024

Acknowledgement Receipt

Reference	DISTRICT FOREST CONSERVATOR OFFICER , KOTA CITY	District/Place	KOTA CITY
Letter No.	5969	Dated	02/12/2024
Case /FIR/Marg No	Viscera of Crocodile	Dated	01/12/2024
Under Section	NIL		
Police Station	.	Date of Receipt	03/12/2024
Name of Messenger	SUBASH MEENA	Belt No.	FORESTER
No of Received Packet(s)	2(1 AND 2)		

विमल कुमार
प्रयोगशाला सहायक (विष)
(Signature with name & seal)

Note: In all future correspondence, please quote complete description of acknowledgement receipt number and date otherwise reply will not be possible by this office.

Crocodile

Annexure-15

Inspection Report

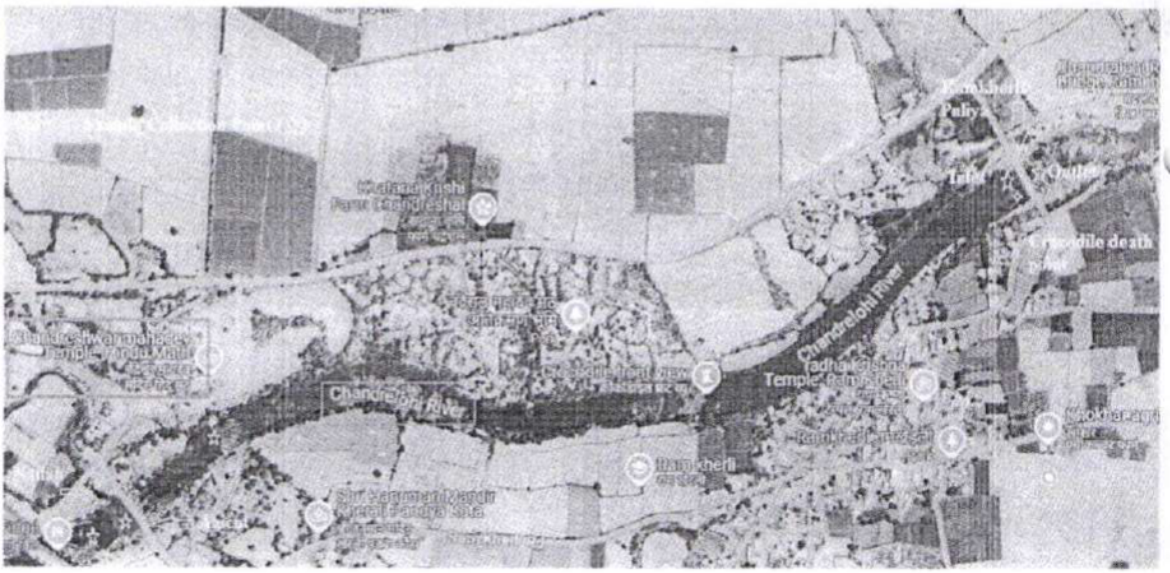
In reference to the news article published in the Rajasthan Patrika newspaper on 04/12/2024 regarding the death of four crocodiles in the Chandraloi River near Chandresal Math, the undersigned officials from this office visited the site on 04/12/2024. During the visit, the following observations were made:

- Initially, the officials visited Chandresal Math. During the visit, local people present on the bank of Chandresal Math reported that two crocodiles were found dead near the anicut located upstream from the Math, and one crocodile was found dead downstream near Ramkhedli Puliya. Further, the alive crocodiles were observed in the Chandraloi River near the bank of the Math during visit. In order to access the water quality, two water samples were collected from the river at the bank of Chandresal Math **(Analysis Reports No. 7005-7006)**.
- Thereafter, the officials visited the Ram kherli Puliya. Local people crossing the puliya were asked about the crocodile incident and reported that one crocodile was found dead at the inlet (Upstream side) of the Ramkherli puliya. As such, two samples were collected at the Ramkherli Puliya, one at the inlet (Upstream side) of puliya **(Analysis Report No. - 7007)** and one at the outlet (Downstream side) of puliya **(Analysis Report No. - 7042)**.
- Subsequently, the officials visited the anicut located on upstream of Chandresal Math. At anicut, it was found that a nallah carrying waste water from Kala Talab STP and nearby areas viz. poonam colony, suman nagar, purohit ji ki tapri, ramdas nagar, merges into the chandraloi river near anicut. Therefore a waste water sample was collected from this nallah, in order to know the waste water characteristic **(Analysis Report no. - 7043)**.
- As mentioned earlier, two crocodiles were found dead near the anicut. Near this point, nallah carrying domestic sewage merges into the Chandraloi River. Therefore, samples were collected at two points, before merging of nallah into the river **(Analysis Report No. - 7044)** and after confluence with the river **(Analysis Report No. - 7045)**.
- Meanwhile, Sewage treatment plant (15 MLD) located at Kala Talab was visited by officials. During visit STP was found operational and treated waste water was found discharged outside the premises through a drain. Representative of the STP available during the visit reported that, this treated waste water after discharges from the STP joins Chandraloi River through a nallah. Therefore, one sample was collected from the Drain discharge waste water outside the STP **(Analysis Report No. - 7046)** and one from the outlet of STP **(Analysis Report No. - 7047)**. Analysis reports of both the samples shows that the treated waste water from the STP do not meet the standards prescribed for the treated water.
- Further it was found that along with various nallahs, kansua nallah that contains waste water discharges from M/s DCM Shriram Ltd. & M/s Shriram Rayons also joins Chandraloi River. Therefore a waste water sample was collected from Kansuva Nallah, Deoli Arab road to know the extent of industrial pollution into the waste water of Kansua Nallah **(Analysis Report No. - 7048)**. The analysis report of the waste water sample

Kiran Vaishnav

collected from kansua nallah shows that all parameters are below the discharge standards for effluent discharge from aforementioned industries.

- Location of death of fourth crocodile could not be ascertained due to lack of information.



Kiran Vaishnav

Central Pollution Control Board (CPCB) has developed a concept of Designated Best Use (DBU) of a water body. According to this, out of the several uses of water of a particular body, the use which demands highest quality is termed its Designated Best Use. Five Designated Best Use have been identified which are as below:

Designated-Best-Use	Class of water	Criteria
Drinking Water Source without conventional treatment but after disinfection	A	Total Coliforms Organism MPN/100ml shall be 50 or less pH between 6.5 and 8.5 Dissolved Oxygen 6mg/l or more Biochemical Oxygen Demand 5 days 20C 2mg/l or less
Outdoor bathing (Organised)	B	Total Coliforms Organism MPN/100ml shall be 500 or less pH between 6.5 and 8.5 Dissolved Oxygen 5mg/l or more Biochemical Oxygen Demand 5 days 20C 3mg/l or less
Drinking water source after conventional treatment and disinfection	C	Total Coliforms Organism MPN/100ml shall be 5000 or less pH between 6 to 9 Dissolved Oxygen 4mg/l or more Biochemical Oxygen Demand 5 days 20C 3mg/l or less
Propagation of Wild life and Fisheries	D	pH between 6.5 to 8.5 Dissolved Oxygen 4mg/l or more Free Ammonia (as N) 1.2 mg/l or less
Irrigation, Industrial Cooling, Controlled Waste disposal	E	pH between 6.0 to 8.5 Electrical Conductivity at 25C micro mhos/cm Max.2250 Sodium absorption Ratio Max. 26 Boron Max. 2mg/l

Water quality of the river Chandraloi at different locations as per "CPCB Designated Best Use Water Quality Criteria"-

Sr. No.	Location	Class of Water	Designated-Best-Use
1	At Chandresal Math (Sample-1)	C	Drinking water source after conventional treatment and disinfection

Kiran Vaishnav

2	At Chandresal Math (Sample-2)	B	Outdoor bathing (Organised)
3	Ramkherli Puliya Inlet	B	Outdoor bathing (Organised)
4	Ramkherli Puliya Outlet	C*	*Based on three parameters pH, Biochemical Oxygen Demand, Total Coliforms
5	Chandraloi River at anicut (before entering the nallah)	B	Outdoor bathing (Organised)
6	Chandraloi River at anicut (after entering the nallah)	B	Outdoor bathing (Organised)

- **The results of the Bio-Assay Test conducted with water samples from the Chandraloi River at all six locations indicate 100% survival of fish after 96 hours in undiluted effluent.**

Comparative analysis of the waste water sample collected from the Kansua Nallah with the discharge standards prescribed for M/s DCM Shriram Ltd., Kota & M/s Shriram Rayons, Kota-

Parameters	Consented permissible limits		Results of waste water sample collected from Kansua Nallah
	M/s DCM Shriram Ltd.	M/s Shriram Rayons	
Nitrate as N	10	-	3.71
Zinc as Zn mg/l	1.0	1.0	0.11
pH	6.5-8.5	5.5-9.0	7.49
Total Suspended Solids mg/l	100	100	31
Chemical Oxygen demand (COD) mg/l	250	250	100
Biochemical Oxygen Demand (BOD)	30	30	24.1
Oil & Grease mg/l	10	10	Not traceable

Copper as Cu mg/l	1.0	1.0	Not traceable
Total Cromium as Cr mg/l	0.2	0.2	Not traceable
Iron as Fe mg/l	-	1.0	0.14
Ammonical Nitrogen as N mg/l	50	50	8.07
Phosphate as PO4 mg/l	-	-	4.29

Considering the above, the incident of the crocodile deaths cannot be linked to water quality. If water quality were the cause, it would likely have affected other crocodiles and aquatic life as well. Further investigation into the matter should be conducted by the Forest Department, as this office lacks the expertise to determine the cause of the crocodile deaths.

Kiran Vaishnav

(Kiran Kumari Vaishnav)
JSO, RSPCB, R.O. Kota

Ankit Goyal

(Ankit Goyal)
JEE, RSPCB, R.O. Kota

C/s

(Amit Soni)
Regional Officer
RSPCB, R.O. Kota

FORM - X
RAJASTHAN STATE POLLUTION CONTROL BOARD
REPORT OF THE STATE BOARD ANALYST
(See Rule - 24)

Report No. : **7005**
Report On : **18/12/2024**

I hereby certify that I **Om Prakash Shardul**, State Board Analyst duly appointed **under sub Section(3) of Section 53 of the Water (Prevention & Control of Pollution) Act, 1974** received on the **05/12/2024** from **KIRAN KUMARI VAISHNAV, JSO, Kota ,RSPCB Kota** a sample of **Water** of **Chandreshar Matha , Kota ,** Collected from **Chandreshar Matha Sample-1** Collected on **04/12/2024**. The Sample was in a condition fit for analysis as reported below :-

I further certify that I have analyzed the aforementioned sample on **18/12/2024** and declare the result of the analysis to be as below :-

S. No.	Parameters	Result
1	Ammonical Nitrogen as N mg/l	1.48
2	Phosphate as PO4 mg/l	1.49
3	Sulphides as S mg/l	Nil
4	pH	7.48
5	Chemical Oxygen Demand (COD) mg/l	11
6	Bio-Chemical Oxygen Demand (BOD) (3days at 27° C) mg/l	2.5
7	Copper as Cu mg/l	Not traceable
8	Zinc as Zn mg/l	0.03
9	Total Chromium as Cr mg/l	Not traceable
10	Iron as Fe mg/l	1.98
11	Chloride as Cl mg/l	100
12	Sulphate as SO_4 mg/l	167
13	Total Dissolved Solids mg/l	603
14	Conductivity at 25° C µmho/cm_2	928
15	Bio-Assay Test LC.....,.....gms,....% by volume of the sample	100% survival of fish after 96hrs in 100% effluent
16	Dissolved Oxygen mg/l	4.9
17	Faecal Coliform (MPN Technique) /100 ml	140
18	Nitrate as N mg/l	1.66
19	Total Coliform (MPN Technique) /100 ml	210

The condition of the seals, fastening and container on receipt was as follows : **Intact**
Signed This On **18/12/2024**

Om Prakash Shardul
BOARD ANALYST
Rajasthan State Pollution Control Board
Regional Office Kota
SPL-2A, Road no. 6, Indrapasth Ind. Area, Kota
Phone: 0744-2490873

FORM - X
RAJASTHAN STATE POLLUTION CONTROL BOARD
REPORT OF THE STATE BOARD ANALYST
(See Rule - 24)

Report No. : **7006**
Report On : **18/12/2024**

I hereby certify that I **Om Prakash Shardul**, State Board Analyst duly appointed **under sub Section(3) of Section 53 of the Water (Prevention & Control of Pollution) Act, 1974** received on the **05/12/2024** from **KIRAN KUMARI VAISHNAV, JSO, Kota ,RSPCB Kota** a sample of **Water** of **Chandreshar Matha , Kota ,** Collected from **Chandreshar Matha Sample-2** Collected on **04/12/2024**. The Sample was in a condition fit for analysis as reported below :-

I further certify that I have analyzed the aforementioned sample on **18/12/2024** and declare the result of the analysis to be as below :-

S. No.	Parameters	Result
1	Ammonical Nitrogen as N mg/l	1.42
2	Phosphate as PO4 mg/l	1.61
3	Sulphides as S mg/l	Nil
4	pH	7.59
5	Chemical Oxygen Demand (COD) mg/l	9.8
6	Bio-Chemical Oxygen Demand (BOD) (3days at 27° C) mg/l	2.3
7	Copper as Cu mg/l	Not traceable
8	Zinc as Zn mg/l	Not traceable
9	Total Chromium as Cr mg/l	Not traceable
10	Iron as Fe mg/l	1.94
11	Chloride as Cl mg/l	102
12	Sulphate as SO_4 mg/l	141
13	Total Dissolved Solids mg/l	589
14	Conductivity at 25° C µmho/cm_2	907
15	Bio-Assay Test LC.....,.....gms,....% by volume of the sample	100% survival of fish after 96hrs in 100% effluent
16	Dissolved Oxygen mg/l	5.2
17	Faecal Coliform (MPN Technique) /100 ml	170
18	Nitrate as N mg/l	1.1
19	Total Coliform (MPN Technique) /100 ml	220

The condition of the seals, fastening and container on receipt was as follows : **Intact**
Signed This On **18/12/2024**

Om Prakash Shardul
BOARD ANALYST
Rajasthan State Pollution Control Board
Regional Office Kota
SPL-2A, Road no. 6, Indrapasth Ind. Area, Kota
Phone: 0744-2490873

FORM - X
RAJASTHAN STATE POLLUTION CONTROL BOARD
REPORT OF THE STATE BOARD ANALYST
(See Rule - 24)

Report No. : **7007**
Report On : **18/12/2024**

I hereby certify that I **Om Prakash Shardul**, State Board Analyst duly appointed **under sub Section(3) of Section 53 of the Water (Prevention & Control of Pollution) Act, 1974** received on the **05/12/2024** from **KIRAN KUMARI VAISHNAV, JSO, Kota ,RSPCB Kota** a sample of **Water** of **Ramkhedli Puliya , Kota ,** Collected from **Ramkhedli Puliya Inlet** Collected on **04/12/2024**. The Sample was in a condition fit for analysis as reported below :-

I further certify that I have analyzed the aforementioned sample on **18/12/2024** and declare the result of the analysis to be as below :-

S. No.	Parameters	Result
1	Ammonical Nitrogen as N mg/l	1.07
2	Phosphate as PO4 mg/l	1.65
3	Sulphides as S mg/l	Nill
4	pH	7.55
5	Chemical Oxygen Demand (COD) mg/l	10.6
6	Bio-Chemical Oxygen Demand (BOD) (3days at 27° C) mg/l	1.9
7	Copper as Cu mg/l	Not traceable
8	Zinc as Zn mg/l	Not traceable
9	Total Chromium as Cr mg/l	Not traceable
10	Iron as Fe mg/l	Not traceable
11	Chloride as Cl mg/l	106
12	Sulphate as SO_4 mg/l	124
13	Total Dissolved Solids mg/l	607
14	Conductivity at 25° C µmho/cm_2	934
15	Bio-Assay Test LC.....,.....gms,....% by volume of the sample	100% survival of fish after 96hrs in 100% effluent
16	Dissolved Oxygen mg/l	5.1
17	Faecal Coliform (MPN Technique) /100 ml	170
18	Nitrate as N mg/l	1.18
19	Total Coliform (MPN Technique) /100 ml	280

The condition of the seals, fastening and container on receipt was as follows : **Intact**
Signed This On **18/12/2024**

Om Prakash Shardul
BOARD ANALYST
Rajasthan State Pollution Control Board
Regional Office Kota
SPL-2A, Road no. 6, Indrapasth Ind. Area, Kota
Phone: 0744-2490873

FORM - X
RAJASTHAN STATE POLLUTION CONTROL BOARD
REPORT OF THE STATE BOARD ANALYST
(See Rule - 24)

Report No. : 7042
Report On : 18/12/2024

I hereby certify that I **Om Prakash Shardul**, State Board Analyst duly appointed **under sub Section(3) of Section 53 of the Water (Prevention & Control of Pollution) Act, 1974** received on the **05/12/2024** from **KIRAN KUMARI VAISHNAV, JSO, Kota ,RSPCB Kota** a sample of **Water** of **Ramkhedli Puliya , Kota ,** Collected from **Ramkhedli Puliya Outlet** Collected on **04/12/2024**. The Sample was in a condition fit for analysis as reported below :-

I further certify that I have analyzed the aforementioned sample on **18/12/2024** and declare the result of the analysis to be as below :-

S. No.	Parameters	Result
1	Ammonical Nitrogen as N mg/l	1.13
2	Phosphate as PO4 mg/l	1.62
3	Sulphides as S mg/l	Nil
4	pH	7.51
5	Chemical Oxygen Demand (COD) mg/l	12.9
6	Bio-Chemical Oxygen Demand (BOD) (3days at 27° C) mg/l	2
7	Copper as Cu mg/l	Not traceable
8	Zinc as Zn mg/l	Not traceable
9	Total Chromium as Cr mg/l	Not traceable
10	Iron as Fe mg/l	0.29
11	Chloride as Cl mg/l	104
12	Sulphate as SO_4 mg/l	154
13	Total Dissolved Solids mg/l	600
14	Conductivity at 25° C µmho/cm_2	924
15	Bio-Assay Test LC.....gms,....% by volume of the sample	100% survival of fish after 96hrs in 100% effluent
16	Dissolved Oxygen mg/l	3.8
17	Faecal Coliform (MPN Technique) /100 ml	220
18	Nitrate as N mg/l	1.57
19	Total Coliform (MPN Technique) /100 ml	280

The condition of the seals, fastening and container on receipt was as follows : **Intact**
Signed This On **18/12/2024**

Om Prakash Shardul
BOARD ANALYST
Rajasthan State Pollution Control Board
Regional Office Kota
SPL-2A, Road no. 6, Indrapasth Ind. Area, Kota
Phone: 0744-2490873

FORM - X
RAJASTHAN STATE POLLUTION CONTROL BOARD
REPORT OF THE STATE BOARD ANALYST
(See Rule - 24)

Report No. : **7043**
Report On : **18/12/2024**

I hereby certify that I **Om Prakash Shardul**, State Board Analyst duly appointed **under sub Section(3) of Section 53 of the Water (Prevention & Control of Pollution) Act, 1974** received on the **05/12/2024** from **KIRAN KUMARI VAISHNAV, JSO, Kota ,RSPCB Kota** a sample of **Waste Water** of **Nallah joining River Chandraloi , Kota ,** Collected from **Nallah that join Chandraloi river at Anicat** Collected on **04/12/2024**. The Sample was in a condition fit for analysis as reported below :-

I further certify that I have analyzed the aforementioned sample on **18/12/2024** and declare the result of the analysis to be as below :-

S. No.	Parameters	Result
1	Nitrate as N mg/l	4.01
2	Phosphate as PO4 mg/l	3.45
3	Zinc as Zn mg/l	Not traceable
4	pH	7.67
5	Total Suspended Solids mg/l	29
6	Chemical Oxygen Demand (COD) mg/l	58
7	Bio-Chemical Oxygen Demand (BOD) (3days at 27° C) mg/l	15.4
8	Oil & Grease mg/l	Not Traceable
9	Copper as Cu mg/l	Not traceable
10	Total Chromium as Cr mg/l	Not traceable
11	Iron as Fe mg/l	Not traceable
12	Ammonical Nitrogen as N mg/l	6.27

The condition of the seals, fastening and container on receipt was as follows : **Intact**
Signed This On **18/12/2024**

Om Prakash Shardul
BOARD ANALYST
Rajasthan State Pollution Control Board
Regional Office Kota
SPL-2A, Road no. 6, Indrapasth Ind. Area, Kota
Phone: 0744-2490873

FORM - X
RAJASTHAN STATE POLLUTION CONTROL BOARD
REPORT OF THE STATE BOARD ANALYST
(See Rule - 24)

Report No. : 7044
Report On : 18/12/2024

I hereby certify that I **Om Prakash Shardul**, State Board Analyst duly appointed **under sub Section(3) of Section 53 of the Water (Prevention & Control of Pollution) Act, 1974** received on the **05/12/2024** from **KIRAN KUMARI VAISHNAV, JSO, Kota ,RSPCB Kota** a sample of **Water** of **Chandraloi River, Ladpura , Kota ,** Collected from **Chandraloi River at Anicat (Before Entering the Nallah)** Collected on **04/12/2024**. The Sample was in a condition fit for analysis as reported below :-

I further certify that I have analyzed the aforementioned sample on **18/12/2024** and declare the result of the analysis to be as below :-

S. No.	Parameters	Result
1	Ammonical Nitrogen as N mg/l	0.89
2	Phosphate as PO4 mg/l	1.43
3	Sulphides as S mg/l	Nil
4	pH	7.58
5	Chemical Oxygen Demand (COD) mg/l	13.7
6	Bio-Chemical Oxygen Demand (BOD) (3days at 27° C) mg/l	2.5
7	Copper as Cu mg/l	Not traceable
8	Zinc as Zn mg/l	Not traceable
9	Total Chromium as Cr mg/l	Not traceable
10	Iron as Fe mg/l	Not traceable
11	Chloride as Cl mg/l	114
12	Sulphate as SO_4 mg/l	144
13	Total Dissolved Solids mg/l	581
14	Conductivity at 25° C µmho/cm_2	895
15	Bio-Assay Test LC.....,.....gms,....% by volume of the sample	100% survival of fish after 96hrs in 100% effluent
16	Dissolved Oxygen mg/l	6.2
17	Faecal Coliform (MPN Technique) /100 ml	220
18	Nitrate as N mg/l	2.55
19	Total Coliform (MPN Technique) /100 ml	350

The condition of the seals, fastening and container on receipt was as follows : **Intact**
Signed This On **18/12/2024**

Om Prakash Shardul
BOARD ANALYST
Rajasthan State Pollution Control Board
Regional Office Kota
SPL-2A, Road no. 6, Indrapasth Ind. Area, Kota
Phone: 0744-2490873

FORM - X
RAJASTHAN STATE POLLUTION CONTROL BOARD
REPORT OF THE STATE BOARD ANALYST
(See Rule - 24)

Report No. : **7045**
Report On : **18/12/2024**

I hereby certify that I **Om Prakash Shardul**, State Board Analyst duly appointed **under sub Section(3) of Section 53 of the Water (Prevention & Control of Pollution) Act, 1974** received on the **05/12/2024** from **KIRAN KUMARI VAISHNAV, JSO, Kota ,RSPCB Kota** a sample of **Water** of **Chandraloi River, Ladpura , Kota ,** Collected from **Chandraloi River at Anicat (After Entering the Nallah)** Collected on **04/12/2024**. The Sample was in a condition fit for analysis as reported below :-

I further certify that I have analyzed the aforementioned sample on **18/12/2024** and declare the result of the analysis to be as below :-

S. No.	Parameters	Result
1	Ammonical Nitrogen as N mg/l	1.92
2	Phosphate as PO4 mg/l	1.53
3	Sulphides as S mg/l	Nil
4	pH	7.56
5	Chemical Oxygen Demand (COD) mg/l	20.8
6	Bio-Chemical Oxygen Demand (BOD) (3days at 27° C) mg/l	2.9
7	Copper as Cu mg/l	Not traceable
8	Zinc as Zn mg/l	Not traceable
9	Total Chromium as Cr mg/l	Not traceable
10	Iron as Fe mg/l	0.48
11	Chloride as Cl mg/l	106
12	Sulphate as SO_4 mg/l	125
13	Total Dissolved Solids mg/l	578
14	Conductivity at 25° C µmho/cm_2	889
15	Bio-Assay Test LC.....,.....gms,....% by volume of the sample	100% survival of fish after 96hrs in 100% effluent
16	Dissolved Oxygen mg/l	5.6
17	Faecal Coliform (MPN Technique) /100 ml	240
18	Nitrate as N mg/l	2.64
19	Total Coliform (MPN Technique) /100 ml	350

The condition of the seals, fastening and container on receipt was as follows : **Intact**
Signed This On **18/12/2024**

Om Prakash Shardul
BOARD ANALYST
Rajasthan State Pollution Control Board
Regional Office Kota
SPL-2A, Road no. 6, Indrapasth Ind. Area, Kota
Phone: 0744-2490873

FORM - X
RAJASTHAN STATE POLLUTION CONTROL BOARD
REPORT OF THE STATE BOARD ANALYST
(See Rule - 24)

Report No. : 7046
Report On : 18/12/2024

I hereby certify that I **Om Prakash Shardul**, State Board Analyst duly appointed **under sub Section(3) of Section 53 of the Water (Prevention & Control of Pollution) Act, 1974** received on the **05/12/2024** from **KIRAN KUMARI VAISHNAV, JSO, Kota ,RSPCB Kota** a sample of **Waste Water** of **M/S MUNICIPAL CORPORATION KOTA , Plant - Sewage Treatment Plant 15 MLD Kala Talab [102652] ,Sewage Treatment Plant, 15 MLD, Kala Talab , City- KOTA Tehsil- Ladpura , District- Kota** Collected from **Drain discharge waster water outside the STP** Collected on **04/12/2024**. The Sample was in a condition fit for analysis as reported below :-

I further certify that I have analyzed the aforementioned sample on **18/12/2024** and declare the result of the analysis to be as below :-

S. No.	Parameters	Result
1	N total mg/L	8.11
2	pH	7.85
3	Total Suspended Solids mg/l	13
4	Chemical Oxygen Demand (COD) mg/l	88
5	Bio-Chemical Oxygen Demand (BOD) (3days at 27° C) mg/l	18.3
6	Ammonical Nitrogen as N mg/l	1.19
7	Faecal Coliform (MPN Technique) /100 ml	350

The condition of the seals, fastening and container on receipt was as follows : **Intact**
Signed This On **18/12/2024**

Om Prakash Shardul
BOARD ANALYST
Rajasthan State Pollution Control Board
Regional Office Kota
SPL-2A, Road no. 6, Indrapasth Ind. Area, Kota
Phone: 0744-2490873

FORM - X
RAJASTHAN STATE POLLUTION CONTROL BOARD
REPORT OF THE STATE BOARD ANALYST
(See Rule - 24)

Report No. : 7047
Report On : 18/12/2024

I hereby certify that I **Om Prakash Shardul**, State Board Analyst duly appointed **under sub Section(3) of Section 53 of the Water (Prevention & Control of Pollution) Act, 1974** received on the **05/12/2024** from **KIRAN KUMARI VAISHNAV, JSO, Kota ,RSPCB Kota** a sample of **Waste Water** of **M/S MUNICIPAL CORPORATION KOTA , Plant - Sewage Treatment Plant 15 MLD Kala Talab [102652] ,Sewage Treatment Plant, 15 MLD, Kala Talab , City- KOTA Tehsil- Ladpura , District- Kota** Collected from **Final Outlet of STP** Collected on **04/12/2024**. The Sample was in a condition fit for analysis as reported below :-

I further certify that I have analyzed the aforementioned sample on **18/12/2024** and declare the result of the analysis to be as below :-

S. No.	Parameters	Result
1	N total mg/L	7.99
2	pH	7.8
3	Total Suspended Solids mg/l	10
4	Chemical Oxygen Demand (COD) mg/l	71
5	Bio-Chemical Oxygen Demand (BOD) (3days at 27° C) mg/l	16.4
6	Ammonical Nitrogen as N mg/l	2.15
7	Faecal Coliform (MPN Technique) /100 ml	350

The condition of the seals, fastening and container on receipt was as follows : **Intact**
Signed This On **18/12/2024**

Om Prakash Shardul
BOARD ANALYST
Rajasthan State Pollution Control Board
Regional Office Kota
SPL-2A, Road no. 6, Indrapasth Ind. Area, Kota
Phone: 0744-2490873

FORM - X
RAJASTHAN STATE POLLUTION CONTROL BOARD
REPORT OF THE STATE BOARD ANALYST
(See Rule - 24)

Report No. : 7048
Report On : 18/12/2024

I hereby certify that I **Om Prakash Shardul**, State Board Analyst duly appointed **under sub Section(3) of Section 53 of the Water (Prevention & Control of Pollution) Act, 1974** received on the **05/12/2024** from **KIRAN KUMARI VAISHNAV, JSO, Kota ,RSPCB Kota** a sample of **Waste Water** of **Kansuva Nallah , Tehsil-Ladpura, ` , Kota** Collected from **Kansuva Nallah Deoli Arab road** Collected on **04/12/2024**. The Sample was in a condition fit for analysis as reported below :-

I further certify that I have analyzed the aforementioned sample on **18/12/2024** and declare the result of the analysis to be as below :-

S. No.	Parameters	Result
1	Nitrate as N mg/l	3.71
2	Phosphate as PO4 mg/l	4.29
3	Zinc as Zn mg/l	0.11
4	pH	7.49
5	Total Suspended Solids mg/l	31
6	Chemical Oxygen Demand (COD) mg/l	100
7	Bio-Chemical Oxygen Demand (BOD) (3days at 27° C) mg/l	24.1
8	Oil & Grease mg/l	Not traceable
9	Copper as Cu mg/l	Not traceable
10	Total Chromium as Cr mg/l	Not traceable
11	Iron as Fe mg/l	0.14
12	Ammonical Nitrogen as N mg/l	8.07

The condition of the seals, fastening and container on receipt was as follows : **Intact**
Signed This On **18/12/2024**

Om Prakash Shardul
BOARD ANALYST
Rajasthan State Pollution Control Board
Regional Office Kota
SPL-2A, Road no. 6, Indrapasth Ind. Area, Kota
Phone: 0744-2490873

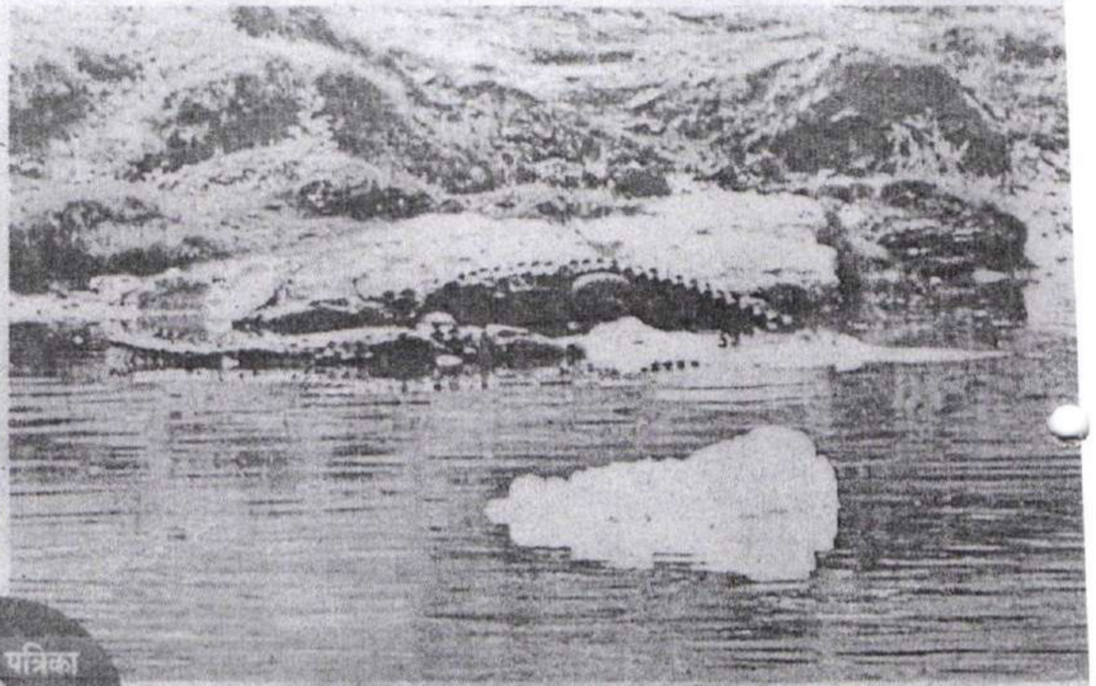
स्टशनो स्तरीय अधिकारियों द्वारा करने का निर्णय लिया गया। कोटा शहर के दोनों प्रमुख स्टेशनों पर एयरपोर्ट स्तर की सुविधाए ... की तर्ज पर पर्याप्त रेक्लाइनर चेयर्स ... के उन्नयन का कार्य 50 फीसदी से अधिक पूर्ण हो चुका है, वहीं ... और कोटा-मुंबई के बीच यात्री भार के चलते अतिरि

मगरमच्छों की मौतें रहस्य बनीं, अब तक चार की मौत चन्द्रलोई नदी है मगरमच्छों की शरणस्थली

मर रहे मगरमच्छ, कारण क्या

पत्रिका न्यूज नेटवर्क
patrika.com

कोटा. चन्द्रलोई नदी में मंगलवार को चन्द्रेसल मठ के पास एनिकट में एक और मगरमच्छ मृत मिला। सूचना पर वन विभाग की टीम मौके पर पहुंची और मगरमच्छ को नदी से बाहर निकालकर पोस्टमार्टम करवाया। चार दिन में यहां चार मगरमच्छों की मौत हो गई है। मौत के कारणों पर रहस्य बना हुआ है। एक्सपर्ट भी चार दिन में चार की मौत को असामान्य मान रहे हैं। यह नदी मगरमच्छ की शरणस्थली मानी जाती है। चन्द्रेसल मठ के पास ही 50 से अधिक मगरमच्छ नजर आते हैं।

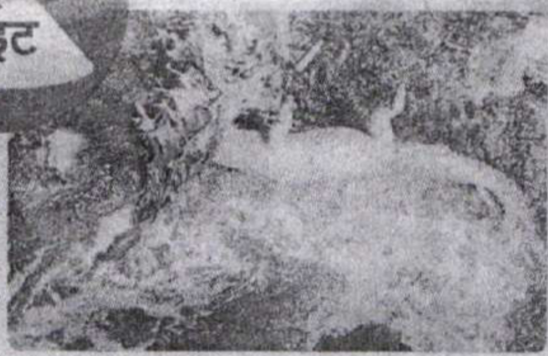


मगरमच्छों की शरणस्थली चन्द्रलोई नदी में नाले से बहकर आ रहे केमिकल के झाग देखे जा सकते हैं। पत्रिका

एक के बाद एक चार मगरमच्छ की मौत

पत्रिका स्पॉट लाइट

30 नवम्बर को रायपुरा नाले के पास 60 साल का मगरमच्छ मृत मिला था। मगरमच्छ के पैरों में गहरे घाव थे। टेरिटोरियल फाइट से मौत की आशंका बताई गई थी। एक दिसम्बर को खेड़ली पांड्या गांव में एनिकट में एक साथ दो मगरमच्छ मृत मिले थे। मंगलवार को एनीकट के पास फिर एक मगरमच्छ मृत मिला। भाजपा के पूर्व जिलाध्यक्ष मुकुट नागर मगरमच्छ के मरने की सूचना दी। इसके बाद वन विभाग टीम मौके पर पहुंची और पोस्टमार्टम करवाया। विभाग के अधिकारियों के अनुसार सैंपल्स जांच होने पर ही मौत के कारणों का पता लग सकेगा।



चन्द्रलोई नदी में मंगलवार को मृत मिला मगरमच्छ।

दो दिन पहले भी मृत मिले थे मगरमच्छ। फाइलफोटो

पेट से निकले कांच के टुकड़े, कंकड़, पत्थर

दो दिन पहले मृत मगरमच्छों के पोस्टमार्टम से मौत के कारण पता नहीं चल सके थे। इन मगरमच्छों के शव गले हुए थे और डीकम्पोस्ड होने लगे थे। पेट में कंकड़ पत्थर जरूर मिले थे। एक मगरमच्छ की मौत मल्टीपल आर्गन फैल होने से हो गई थी।

विस्तृत खबर पढ़ने के लिए QR कोड स्कैन करें

एक्सपर्ट व्यू...

सघन मॉनिटरिंग जरूरी

मगरमच्छ वन्यजीवों की शेड्यूल ए का प्राणी है। लगातार मगरमच्छों का मरना चिंता का कारण है। गंदा पानी भी एक कारण हो सकता है, लेकिन यहां पानी की स्थिति वर्षों से एक जैसी ही है। नाले में भी मगरमच्छ रह रहे हैं। इनकी इम्यूनिटी पावर भी अच्छी होती है, इसके बावजूद मगरमच्छों की मौत हो रही है तो विभाग को कारणों का पता लगाना चाहिए। मगरमच्छ के पैरों में चोट के निशान मिले हैं। कहीं ऐसा तो नहीं कि कोई इन्हें हानि पहुंचा रहा हो। विभाग को हर बिंदु पर सोचने की जरूरत है।

आदिल सैफ,
वाइल्डलाइफ कन्जर्वेटर

जांच हो, ताकि हकीकत पता चले

चन्द्रलोई नदी में काफी संख्या में मगरमच्छ हैं। सप्ताह भर के अंतराल में चार मगरमच्छों की मौत हो गई है,यह चिंतनीय है। हालांकि मौत के असली कारण पोस्टमार्टम रिपोर्ट आने के बाद ही स्पष्ट हो सकते हैं। प्रदूषित जल होने के अलावा अन्य कारण भी संभव है। रायपुरा से चन्द्रेसल तक कई जगहों पर लोग खेती भी करते हैं, हो सकता है खेती में उपयोग में लाए जाने वाले कीटनाशक की पैकिंग इत्यादि अनजाने में पानी में डाल रहे हों। वन विभाग को इस पर ध्यान देने की जरूरत है। जो मगरमच्छ मरे हैं, उनके सैंपल की जांच के आधार पर समस्या का निराकरण संभव है। मगरमच्छों के सैंपल्स जांच के लिए भारतीय पशुचिकित्सा अनुसंधान संस्थान (IVRI) में भी जांच के लिए भेजे जा सकते हैं, ताकि वास्तविकता का पता चले।

डॉ अखिलेश पाण्डेय,
उपनिदेशक, बहु उद्देश्यीय चिकित्सालय

शेड्यूल ए का प्राणी

मगरमच्छ वन्यजीवों के शेड्यूल ए में शामिल है। जानकार मानते हैं कि एक दायरे में बिना किसी कारण मगरमच्छों की मौत नहीं हो सकती।

नहीं हुआ पोस्टमार्टम, पानी के भी लेंगे सैंपल

देरी होने के प्रोटोकॉल के तहत मंगलवार को मगरमच्छ का पोस्टमार्टम नहीं किया गया। अब बुधवार को पोस्टमार्टम किया जाएगा। पिछले दो तीन दिन में मगरमच्छों की मौत के बाद टीम लगाई गई है, जो मॉनिटरिंग कर रही है। दो दिन पहले मृत मगरमच्छों के सैंपल लिए गए थे, जिन्हें लैब में भेज दिया गया है। अब पानी के सैंपल लेकर उनकी जांच भी करवाई जाएगी। कहीं पानी में तो कोई परेशानी नहीं है।

इंद्रेश यादव, क्षेत्रीय वन अधिकारी, लाडपुरा रेंज

#DLCRate कोचिंग एरिया में डीएलसी रेट पर ब्रेक, नए एयरपोर्ट के आसपास