

**BEFORE NATIONAL GREEN TRIBUNAL
PRINCIPAL BENCH, NEW DELHI**

Original Application No. 985/2019
(IA No 568/2024)

In Re: Water Pollution by Tanneries at Jajmau Kanpur Uttar Pradesh

Versus

Central Pollution Control Board & Ors.

Respondent(s)

WITH

Original Application No. 986/2019

In Re : Water Pollution at Rania Kanpur Dehat & Rakhi Mandi Kanpur
Nagar Uttar Pradesh

WITH

Original Application No. 528/2023

News report published in Dainik Jagran dated 14.08.2023 "highlights a
growing concern regarding industrial pollution in the Godhraul village"

WITH

Original Application No. 934/2024

Rajat Verma

Applicant

Versus

Member Secretary, Uttar Pradesh
Pollution Control Board& Ors.

Respondent(s)

Date of hearing: 25.11.2025

**CORAM: HON’BLE MR. JUSTICE PRAKASH SHRIVASTAVA, CHAIRPERSON
HON’BLE DR. A. SENTHIL VEL, EXPERT MEMBER
HON’BLE DR. AFROZ AHMAD, EXPERT MEMBER**

Applicant: Ms. Katyayni, Adv. (Amicus Curiae in OA Nos. 985-986 of 2019 & OA
934/2024)

Respondent: Mr. Bhanwar Pal Singh Jadon, Mr. Shivansh Sharma, Ms. Gargi
Chaturvedi & Ms. Anjali Sharma, Adv. for the State of UP, Medical &
Welfare Department, UP, DM, Kanpur Dehat, DM, Kanpur Nagar & DM,
Fatehpur
Mr. Vikrant Pachnanda, Adv. for CPCB in OA 934/2024
Mr. Pradeep Misra & Mr. Daleep Dhyani, Adv. for UPPCB (Through VC).
Mr. Gigi. C. George, Adv. for CGWA & NMCG (Through VC)

ORDER

1. The Tribunal in the previous proceedings dated 07.11.2025 had taken note of the 22 suggestions/recommendations given by the Learned Amicus Curiae and accepted by the State of UP. The Director, AIIMS had also appeared virtually and had suggested cluster base sample survey and had also suggested the air, water and soil analyses of the area and an analysis of effluent discharged from industries by the IIT Kanpur. The Tribunal accordingly had directed as under:

*“xxxx.....xxxx.....xxxx.....xxxx
7. The State Authorities especially the Chief Secretary, Uttar Pradesh and Secretary, Health, Govt. of U.P. are directed to provide a timeline within two weeks in respect of the steps that will be taken by the State Authorities to complete the process of mapping the entire area and find out the affected villages/ULBs/districts. They will also disclose the approximate number of the affected persons, the medical facilities which are available at the District/ULB/Village level including the health centers, doctors, paramedical staff available in those health centres, the facilities available in those health centres and the nearby labs and distance from that lab for carrying out the blood and other sample analysis. The mapping will include the food chain contamination, surface water and ground water contamination and air contamination analysis. The timeline will also be given for fully implementing the 22 recommendations which have been noted in the order dated 01.07.2025.”*

2. Learned Counsel for the State of U.P has submitted that in compliance of the above direction, additional affidavits on behalf of District Magistrate, Kanpur Nagar, Kanpur Dehat and Fatehpur have been filed and the affidavit of the Secretary, Medical and Family Welfare, Government of U.P dated 24.11.2025 along with a brief note prepared by Learned Counsel for the State of U.P has been placed on record today.

3. He has referred to the Para-6 of the affidavit dated 24.11.2025 filed by the DM, Kanpur Nagar and submitted that the proposal for conducting a cluster base sample survey to assess the extent of the issue has been sent to GSVM, Kanpur and a request has been made to the Director, IIT Kanpur to provide the proposal for mapping the affected areas with respect of water sources, food chain, air quality, soil quality and industrial effluent discharge. He has also referred to the affidavit dated 24.11.2025 filed by

the Secretary, Medical and Family Welfare, Government of U.P disclosing the following timelines:

**** I. TIMELINE FOR SURVEY IN THE AFFECTED AREAS (RELATED TO RECOMMENDATION NO. 2 PROVIDED BY THE LEARNED AMICUS CURIAE):***

4. That the survey work in District Fatehpur and Kapur Dehat has been duly completed by the State.
5. That with regards to District Kanpur Nagar, heavy metal contamination has been found in 7 affected areas, which are-
 - i. Juhi Baburiya (Rakhi Mandi),
 - ii. Tejab Mill Campus (Anwarganj),
 - iii. Panki Industrial Area,
 - iv. Jajmau,
 - v. Ruma Treatment Storage Disposal Facility,
 - vi. Golaghat, and
 - vii. Naureya Kheda
6. That in all the 3 Districts i.e. Kanpur Nagar, Kanpur Dehat and Fatehpur, it is submitted that Re- health survey of the area will be conducted as per the recommendation of the Director, AIIMS (vide paragraph 5 of order dated 07.11.2025) and as recommended by the 2-member AIIMS team in their report.
7. That it is submitted that the responses from IIT Kanpur and GSVMM College are awaited. Subsequent to the receiving of the report from the aforementioned technical institutions, **the complete survey will be carried out within 6 months.**

II. ESTABLISHMENT OF LABORATORY FOR TESTING HEAVY METALS (CHROMIUM & MERCURY) (RELATED TO RECOMMENDATION NO. 3 & 14 PROVIDED BY THE LEARNED AMICUS CURIAE):

8. That the establishment of the laboratory for testing of heavy metals (chromium and mercury), will be carried out under the supervision of GSVM Medical College/ Chief Medical Officer, Kanpur Nagar.
9. **That the proposal for the establishment the laboratory for the testing of heavy metals has already been forwarded to the State and the approval is presently under consideration at the State level. The estimated time for the establishment of the laboratory is approximately six months to one year.**

III. CURRENT FACILITY FOR TESTING HEAVY METALS:

10. That, at present, testing of heavy metals in blood/serum is being conducted by **RML-IMS, Lucknow**, and **patients are not required to visit Lucknow for this purpose. The testing facility is available free of cost to the affected individuals.**

IV. AWARENESS MEASURES PRIOR TO ORGANISING CAMPS IN THE AFFECTED AREAS:

11. That prior to organising health camps, public awareness is being raised in the affected areas through **miking and drum announcements** about diseases caused by heavy metal toxicity.
12. That additionally, **public address systems and banners** are being used in nearby health centers/OPDs to disseminate information on health impacts of heavy metals. During **door-to-door surveys**, **the team members are also informing residents about the adverse effects of heavy metal poisoning and contaminated water.**

***V. DETAILS OF AVAILABLE MEDICAL INSTITUTIONS, HEALTH CENTRES, DOCTORS AND PARAMEDICAL STAFF:
KANPUR DEHAT:***

13. That in Kanpur Dehat, heavy metal contamination has been identified

in **three hamlets namely Yadavpurwa, Chauhanpurwa and Palanpurwa**, with a total population of approximately 1,700. Furthermore, in compliance of the directions issued by the Hon’ble Tribunal three adjacent villages—**Umran, Gharampur and Shivnathpurwa**, having a total population of **3224**, have also been **identified as potentially affected**.

14. That surveys in all these villages have been completed, and blood and urine investigations are ongoing. It is humbly submitted that no symptomatic patients have been found, however, out of 214 blood samples, 157 persons have been found with elevated Chromium levels, whereas Mercury levels in all individuals were found to be normal.

15. That details of the medical staff of **Kanpur Dehat** are as follows:

HEATH STAFF DETAILS	PHC SARWANKHEDA (distance approx. 11 kms)	PHC RANIA (distance approx. 04 kms)	MEDICAL COLLEGE, AKBARPUR (distance approx. 12 kms)
Doctors	2	1	210
Pharmacists	3	2	67
Staff Nurses	2	1	14
LT/TO	1	1	10

FATEHPUR:

16. That in District Fatehpur, four hamlets have been affected by heavy metal contamination, with a total population of **5735**. No symptomatic patients have been found during the survey. However, out of 171 blood samples, 147 persons were found with elevated Chromium levels, and 4 persons showed elevated Mercury levels. The condition of all persons is presently stable.

17. That details of the medical staff of **Fatehpur** are as follows:

HEATH STAFF DETAILS	NEW PRIMARY HEALTH CARE, AUNG (distance approx. 05 kms)	BLOCK PHC, GOPALGANJ (distance approx. 15 kms)	MEDICAL COLLEGE, FATEHPUR (distance approx. 35 kms)	HOSPITAL, FATEHPUR (distance approx. 40 kms)
Doctors	1	3	158	15
Pharmacists	1	1	9	9
Staff Nurse	2	4	77	77
LT/TO	1	1	12	12

KANPUR NAGAR:

18. That in District Kanpur Nagar, 7 areas having an approximate population of 38,650 have been identified. No symptomatic patients have been found, and presently no individual affected by Chromium or Mercury is suffering from any serious illness.

19. That blood samples from 514 individuals have been tested, out of which 492 cases exhibited elevated Chromium levels, and 12 cases showed elevated Mercury levels.

20. That details of the medical staff of **Kanpur Nagar** are as follows:

MEDICAL STAFF	RAKHI MANDI, CHACHA NEHRU, UPHC (distance approx. 01 km) JUHI, UPHC (distance approx. 1.5 km)	JAJMAU (distance approx. 02 kms)	GOLAGHAT (distance approx. 06 km)	PANKI GEETA NAGAR, UPHC (distance approx. 05 km)	TEJAB MIL, ANWAR GANJ, UPHC (distance approx. 01 km)	NAUREYA KHEDA, UPHC (distance approx. 5 km)	RUMA AHIRWAN, UPHC (distance approx. 06 km)	UHM, (distance approx. 06-15 km)	SH. KASHI JOINT HOSPITAL AND TRAUMA CENTER (distance approx. 05-15 km)	GSVM MEDICAL COLLEGE (distance approx. 10-20 km)
Doctor	2	1	1	1	1	1	1	87	29	936
Pharmacist	2	1	1	1	1	1	1	23	3	04
Staff Nurse	4	1	2	1	2	2	2	192	28	237
LT/TO	2	1	1	1	1	1	1	17	3	62
ANM	2	1	1	1	1	1	1	0	0	0

VI. **REPLY REGARDING THE RECOMMENDATION POINTS PROVIDED BY THE LEARNED AMICUS CURIAE RELEVANT TO THE MEDICAL DEPARTMENT:**

21. That it is humbly submitted before the Hon’ble Tribunal that in view of the 22 recommendations submitted by the Learned Amicus Curiae, the Hon’ble Tribunal is respectfully requested to grant **a period of approximately six months** to enable the Department to complete the required actions pertaining to **Suggestion Nos. 2, 3 and 14**, which fall within the domain of the Deponent Department.”

4. Referring to the brief note, he has relied upon the following chart containing the progress made in compliance with the 22 recommendations made by the Learned Amicus Curiae:

S. NO.	RECOMMENDATION	KANPUR NAGAR	KANPUR DEHAT	FATEHPUR
1.	RO–NF Water Plants: Clean Water for All Domestic Purposes at centralised and de-centralised installed RO- NF systems (Identify the usage of wells/hand pumps/ borewells/water source for animals and agriculture)	Complied	Complied	Complied
		Complied for the affected areas		
2.	Blood Sampling/ survey by Govt in the affected areas of Kanpur Nagar/ Dehat/ Fatehpur (Heavy Metal Analysis- Chromium, Mercury, Fluoride)	Response awaited from GSVM Medical College	Response awaited from GSVM Medical College	Response awaited from GSVM Medical College
3.	Improve Govt. Hospital’s infrastructure to include multi- specialty diagnostic facilities	Partially Complied	Partially Complied	Partially Complied
4.	List of all Industries (Regardless of Category/ legal/ illegal/ in-house)-	Complied	Complied	Complied

	Kanpur Nagar, Kanpur Dehat, Fatehpur			
5.	Boundary Wall and Cover for Existing Cr Dump/ Plume (Fatehpur & Kanpur Dehat):	Not Applicable to Kanpur Nagar	Partially Complied 3 Months post budget approval by the State Government	Complied
6.	Soil, Sludge and Water Analysis of Panki/Shanigawa Landfill Site/ STP @ Pankha, Sajari	Not Complied By 28.02.2026	Not Applicable to Kanpur Dehat	Not Applicable to Fatehpur
7.	Operate Existing STP (Resolving Non-Compliance Within 2 Months)	Partially Complied By 31.01.2026	Not Applicable to Kanpur Dehat	Not Applicable to Fatehpur
8.	Drain Action Plan-Untapped & Over Flowing tapped Drains	Partially Complied Financial Bids Closed. Tapping within 3 months post final approval by NMCG	Not Complied DPR preparation within 2 months. Post DPR Approval- 18 Months	Complied
9.	Permanent Monitoring Plan for Existing STP/ CETP/ CCRU/ Landfills/ TSDFs	Complied	Complied	Not Applicable to Fatehpur
10.	Construction and Installation of sewage system and STP in Kanpur dehat and Fatehpur	Not Applicable to Kanpur Nagar	Not Complied DPR preparation within 2 months. Post DPR Approval- 18 Months	Not Complied For Fatehpur (Urban), Under Ph-1, 18 MLD STP along with Sewage System by 19.11.2027
11.	Removal of Chromium, Mercury and Ash from the affected area	Not Applicable to Kanpur Nagar	Complied	Not Complied Timeline will be finalized upon selection of Agency/Institute by the State Govt. (Env. Deptt.)
12.	Soil & Ground Water Remediation	Response Awaited from IIT Kanpur	Report Awaited from IIT Kanpur	Response Awaited from IIT Kanpur
13.	River Rejuvenation Plan (Senger/ Noon/ Pandu Rivers)- Including Flood Plain Zoning, Rain water harvesting, watershed development, encroachment removal, Eco-flow	Not Complied Survey of India to provide DEM by 31.12.2025. Thereafter NIH Roorkee will provide final report with coordinates for demarcation by April, 2026.	Not Complied	Not Complied
14.	Government Multi-Specialty Medical Aid Facility for victims of Heavy	Partially Complied	Not Complied	Partially Complied

	<i>metal contamination (can be established in existing Govt Hospitals in all three districts)</i>			
15.	<i>Induction Of Work force in CPCB/ PCB</i>	<i>Not Complied</i>	<i>Not Complied</i>	<i>Not Complied</i>
		<i>MOU Signed between IIT Kanpur and UPPCB for selection for 45 vacancies. Further, vacancies for recruitment on 224 contractual vacancies published by UPPCB.</i>		
16.	<i>Technical Infrastructure to State PCB/ SGWB</i>	<i>Partially Complied</i>	<i>Not Complied</i>	<i>Partially Complied</i>
			<i>NABL accredited Dry Lab within 6 months</i>	
17.	<i>Continuous supply of Electricity for STP/CETP/ Hospitals</i>	<i>Complied</i>	<i>Not Applicable to Kanpur Dehat</i>	<i>Complied</i>
18.	<i>Bye- Laws for Preventing Environmental Pollution from Mercury (in lines of Minamata Convention)</i>	<i>MoEF&CC, CPCB</i>	<i>MoEF&CC, CPCB</i>	<i>MoEF&CC, CPCB</i>
19.	<i>Find out the source of Chromium, Mercury, Fluoride, and Iron in the eco- system.</i>	<i>Response Awaited from IIT Kanpur</i>	<i>Response Awaited from IIT Kanpur</i>	<i>Response Awaited from IIT Kanpur</i>
20.	<i>Survey And Mapping of (new/old) Dump Sites (of chromium, mercury, ash) in Fatehpur and Kanpur Dehat, Kanpur Nagar:</i>	<i>Not Applicable to Kanpur Nagar</i>	<i>Response Awaited from IIT Kanpur</i>	<i>Response Awaited from IIT Kanpur</i>
21.	<i>Survey and Mapping of Groundwater Contamination in Fatehpur and Kanpur Dehat, Kanpur Nagar</i>	<i>Response Awaited from IIT Kanpur</i>	<i>Response Awaited from IIT Kanpur</i>	<i>Response Awaited from IIT Kanpur</i>
22.	<i>Survey of People/ Cattle/ Food Chain- To Check Degree of Contamination and create an effective Remediation Plan Against Bio- Accumulation of Heavy Metals.</i>	<i>Response Awaited from IIT Kanpur</i>	<i>Response Awaited from IIT Kanpur</i>	<i>Response Awaited from IIT Kanpur</i>

5. He has submitted that the above timeline will be adhered to and needful in terms of the said timeline will be done.

6. Since, the issue relates to life and livelihood of the residents of that area who are affected by the chromium and mercury intake on account of contaminated soil, food and ground water, the action within the timeline is needed. Therefore, if the timeline is violated, Chief Secretary/Secretary, Environment/District Magistrate must ensure appropriate disciplinary

action against those officials and employees who commit lapse on their part in taking appropriate action for ensuring the adherence to the timeline.

7. Learned Amicus Curiae has referred to the submission filed on 25.11.2025 and had pointed out that on account of inadequate facilities the residents of the area are dying and that incomplete picture has been given in the report. She has referred to the information put by her in the table format concerning the affected persons and their status in the areas of Rakhi Mandi and Kanpur Nagar as follows:

S.No.	Names	Area/ Rakhi Mandi, Kanpur Nagar	Cr (ng/ml)	Mr (ng/ml)	DM Kanpur Health status review vide Affidavit dated 13.08.24 Pg. 2452
1.	Rashida bano 36/F	w/o Mohd Arsad	2.600	2.151	Healthy
2.	Mahru Nisha 38/F	w/o Sirajuddin	2.040	1.721	Migrated
3.	Mohd. Arsad 38/M	s/o Md. Arager Hussain	2.225	1.786	Migrated
4.	Kamala 60/F	w/o lt. Ram Jatan	5.800	1.138	Death
5.	Maiyadeep 62/M	s/o lt. Bhurelal	2.775	0.802	Migrated
6.	Poona Sahu 38/F	w/o Dev kumar	2.525	3.292	Migrated
7.	Abdul Vakil 60/M	s/o lt Subrati	4.175	0.996	Death
8.	Gudiya 27/F	w/o Ram Chandra	2.350	0.727	Migrated
9.	Munni Devi 50/F	w/o Ramendra K Singh	4.200	0.723	Healthy
10.	Raj Pati 62/F	w/o Mula Patel	9.375	0.689	Death
11.	Shakeela bano 70/F	w/o Asgar Hussain	2.725	0.516	Death
12.	Pramila 38/F	w/o Lt Ram Kumar	2.750	0.626	Healthy (Cr. 7.05 pg. 4500)
13.	Sail Kumari 60/F	w/o Kate Buduk	4.450	1.129	Healthy
14.	Lal Pati 60/F	w/o Ram Sewak	2.475	0.486	Healthy (Cr. 11.75 pg. 4500, 2025 affidavit)
15.	Ram kanti 58/F	w/o Harish Chandra	4.675	0.762	Healthy
16.	Anoop Kumar 44/M	s/o Jeetu Lal	3.775	0.627	Migrated
17.	Ram Rati 50/F	w/o Prathvee Pal	2.900	0.525	Healthy (Cr. 6.20 in 2025)
18.	Santosh Kumar 49/M	s/o Kakku Prasad	4.175	0.775	Healthy
19.	Neetu 37/F	w/o Amar Nath	2.950	0.717	Healthy
20.	Sarvan 70/M	s/o Maiku	3.800	0.597	Migrated
21.	Sonu 27/M	s/o Satrugan	BDL	0.734	Healthy
22.	Ruksana 26/F	w/o Sahansa	BDL	0.503	Migrated
23.	Parwati 50/F	w/o Bhagwan Das	BDL	0.705	Migrated
24.	Chandawati 35/F	w/o Sirvatan	BDL	0.754	Migrated
25.	Ajay 32/M	s/o Ramkishore	BDL	0.543	Migrated
26.	Chanda Devi 48/F	w/o Late Deep Kumar	BDL	0.543	Death

27.	Mishree lal 65/M	s/o Manu	BDL	0.748	Migrated
28.	Sumudara Gupta 62/F	w/o Santram	BDL	0.673	Healthy
29.	Raj pati 65/F	w/o Maniram	BDL	0.700	Death
30.	Geetanjali 13/F	d/o Umashankar	BDL	0.529	Healthy
31.	Anjali 15/F	d/o Umashankar	BDL	0.443	Migrated
32.	Abdul Ajeem 24/M	s/o Jahid Ali	74.700	0.767	Migrated
33.	Reetu 28/F	w/o Raju	BDL	0.450	Migrated
34.	Ragini 13/F	d/o mahesh	58.250	0.412	Migrated
35.	Prince Pathak 19M	s/o Kaniyalala	75.150	1.883	Migrated
36.	Pappi 32/F	w / o Pappu	BDL	1.011	Migrated
37.	Neelam Awasthi 45/F	w/o Pramod Kumar	BDL	0.318	Healthy (Cr in 2025 is 7.80)
38.	Shankar 17/M	s/o Indar Kumar Shahu	BDL	0.582	Death
39.	Kaisarbai 55 / F	w/o Kaiyaliram	67.300	0.384	Healthy (Cr in 2025 is 6.35)
40.	Heera Bai 50/F	w/o Sanjay	BDL	0.528	Migrated
41.	Hanumaan 45/M	s/o Bhagauti Prasad	BDL	0.368	Healthy
42.	Pappu 35/M	s/o Bahadur	BDL	1.253	Migrated
43.	Vimala 45/F	w/o Kallu	BDL	0.285	Healthy
44.	Anil 40/M	s / o Kamta Prasad	BDL	0.432	Migrated

8. She has submitted that out of 44 persons surveyed, 07 have died between the period 2020 and 2024, many have migrated from that area on account of the persistence problem and in respect of others 'healthy' has been mentioned without clearly disclosing the details of their health status.

9. She has further submitted that the areas adjacent to National Highway- 19 and 27 passing through Fatehpur, Kanpur Nagar and Kanpur Dehat are the worst affected areas and River Ganga also flows from the nearby area. Therefore, the water of River Ganga is also getting contaminated by the presence of heavy metals. She has submitted that the health survey of all the residents of the areas found to be contaminated with heavy metals should be conducted to find out the exact number of persons affected by it. She has submitted that such affected areas are spread over 04 districts- Unnao, Kanpur Nagar, Kanpur Dehat and Fatehpur.

10. Learned Amicus Curiae is permitted to place on record the material collected, mapped and tabulated by her to identify the affected areas where mapping can be done.

11. When we asked the Learned Counsel for NMCG on the issue of water of River Ganga getting contaminated due to nearby contamination of soil and ground water with the heavy metals such as chromium and mercury, he submitted that CETP has been constructed and it is the responsibility of the State Government. He also submits how this problem can be solved when it is due to industrial pollution.

12. To get the effective assistance, we require some higher official of the NMCG to appear before the Tribunal on the next date.

13. The Learned Counsel for the State of U.P and Learned Amicus Curiae are granted 03 weeks' time to place on record the further affidavit keeping in view the observations made above.

14. List on 03.02.2026.

Prakash Shrivastava, CP

Dr. A. Senthil Vel, EM

Dr. Afroz Ahmad, EM

November 25, 2025
Original Application No. 985/2019
(IA No 568/2024)
and other connected matters
AM