

N.D.H.: 28.11.2024

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

ORIGINAL APPLICATION NO. 1062 OF 2024

IN THE MATTER OF:

BHANU SAHAY

..... APPLICANT

VERSUS

UNION OF INDIA & OTHERS

... RESPONDENTS


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Place: New Delhi

Date: 23.11.2024

Filed on behalf of
Municipal Commissioner
Nagar Nigam Jhansi by:-


(GAURAV AGARWAL)
Advocate for Respondent
Municipal Commissioner,
Nagar Nigam Jhansi

GRV LEGAL
Advocates and Legal Consultants
O-703, Aditya Mega City,
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कार्यालय जिलाधिकारी, झाँसी।

पत्रांक 303/वी०ए०/न०आ०/न०नि०/20.

दिनांक 21.11.2024

प्रेषक,

जिलाधिकारी
झाँसी।

सेवा में,

रजिस्ट्रार,
मा० राष्ट्रीय हरित न्यायाधिकरण
नई दिल्ली।

विषय : मा० राष्ट्रीय हरित न्यायाधिकरण के मूल प्रार्थना पत्र सं० 1062/2024 भानु सहाय बनाम यूनियन ऑफ इण्डिया एवं अन्य दिनांक 16.08.2024 में नियत तिथि के पूर्व संयुक्त समिति द्वारा जांच आख्या उपलब्ध कराये जाने के सम्बन्ध में।

महोदय,

कृपया मा० राष्ट्रीय हरित न्यायाधिकरण के मूल प्रार्थना पत्र सं० 1062/2024 भानु सहाय बनाम यूनियन ऑफ इण्डिया एवं अन्य दिनांक 16.08.2024 को निम्न आदेश पारित किया गया है :-

"06. Having regard to the nature of allegation made in the O.A. we also constitute a Joint Committee comprising of representative of the Member Secretary, UPPCB., Officer nominated by Member Secretary, CPCB not below the rank of Scientist 'D'/'E' CEO/Commissioner of Municipal Corporation, Jhansi, RO MoEF and CC Lucknow and District Magistrate Jhansi. District Magistrate will act as coordinating agency in the Joint Committee.

07. The Joint Committee will visit the site of the river flowing from District Jhansi, will ascertain the source of its pollution, take the water sample, get the analysis done and submit the analysis report and also suggest the remedial measure. "

उक्त आदेश के अनुपालन में संयुक्त समिति द्वारा दिनांक 03.10.2024 को पहुज नदी के विभिन्न स्थलो पर निरीक्षण करते हुए जल गुणवत्ता के विश्लेषण हेतु वाटर सैंपल एकत्रित किये गये। तत्पश्चात् विभिन्न विभागो से आवश्यक आंकड़े प्राप्त करते हुए तथा जल गुणवत्ता के आंकड़ो का विश्लेषण करते हुए संयुक्त रिपोर्ट तैयार की गई है, जो मूल रूप से मा० राष्ट्रीय हरित न्यायाधिकरण के आदेश दिनांक 16.08.2024 के अनुपालन में संलग्न कर सादर प्रस्तुत है।

संलग्नक :- संयुक्त समिति की जांच आख्या की मूल प्रति।

(अविनाश कुमार)
जिला मजिस्ट्रेट

Report in reference to Hon'ble NGT order in the matter of Original
Application No. 1062/2024, Bhanu Sahay Versus Union of India &
Ors.

A. Background:

1. Hon'ble NGT, vide its order dated 16.08.2024, in Original Application No. 1062/2024-Bhanu Sahay Versus Union of India & Ors., has directed for site visit of the River flowing from District- Jhansi and will ascertain the source of its pollution, take the water sample, get the analysis done and submit the analysis report and also suggest the remedial measure. The operative part of the order is as follows: -

"6. Having regard to the nature of allegation made in the O.A. we also constitute a Joint Committee comprising of representative of the Member Secretary, UPPCB., Officer nominated by Member Secretary, CPCB not below the rank of Scientist 'D'/ 'E' CEO/Commissioner of Municipal Corporation, Jhansi, RO MoEF and CC Lucknow and District Magistrate Jhansi. District Magistrate will act as coordinating agency in the Joint Committee.

7. The Joint Committee will visit the site of the river flowing from District Jhansi, will ascertain the source of its pollution, take the water sample, get the analysis done and submit the analysis report and also suggest the remedial measure.

8. The Joint Committee will submit the report at least one week before the next date of hearing.

9. List on 28.11.2024. "

Copy of Hon'ble NGT order dated 16.08.2024 is annexed herewith as Annexure-1.

2. In order to comply with the directions of the Hon'ble NGT, following officials were nominated from the concerned Departments:

- 2.1. Shri Avinash Kumar, District Magistrate, Jhansi
- 2.2. Shri Satya Prakash, Municipal Commissioner, Jhansi
- 2.3. Dr. R B Lal, Scientist 'F', MoEF&CC, RO, Lucknow
- 2.4. Shri Runa Oraon, Scientist 'E', CPCB, RD Lucknow
- 2.5. Smt. Deepa Arora, Regional Officer, UPPCB, Jhansi

B. Site Visit:

3. Visit of the River Pahuj flowing through Jhansi was carried by the Joint Committee on 03.10.2024. During visit, following officials from the concerned Departments were also present to assist the committee:

- 3.1. Shri Mohd Qummar, Additional Municipal Commissioner (In charge Municipal Commissioner), Jhansi Municipal Corporation/ ACEO Jhansi Smart City Limited
- 3.2. Shri Jitendra Saharwar, Town Planner, Jhansi Development Authority
- 3.3. Shri Umesh Kumar Sonkar, Executive Engineer, Irrigation (Betwa Prakhand), Jhansi

3.4. Bijendra Saini, Assistant Engineer, Irrigation (Betwa Prakhand), Jhansi



Pic.1: R. Pahuj at Baidora Gaon



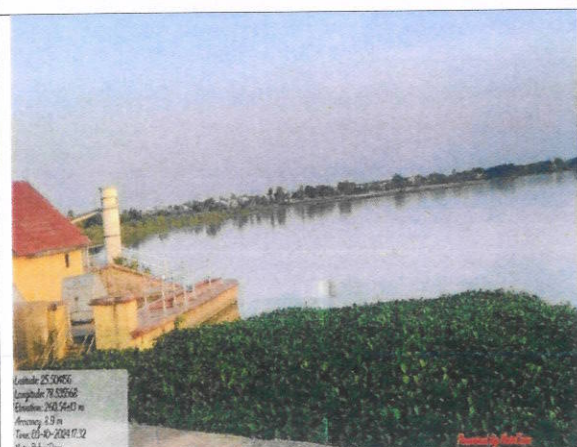
Pic.2: Dongri Dam





Pic.3: R. Pahuj at Gadiya weir



Pic.4: R. Pahuj at Dhobi Ghat



Surps *Ravi* *R* *S* *S*

<p>Pic.5: Pahuj (Simradha) Dam</p>  <p>Latitude: 25.45332 Longitude: 78.52599 Elevation: 237.492 m Area: 26.4 m Time: 05-10-2024 15:58 Site: SPS 1</p>	<p>Pic.6: R. Pahuj near SPS 3</p>  <p>Latitude: 25.40826 Longitude: 78.58429 Elevation: 259.012 m Area: 10.7 m Time: 05-10-2024 16:07 Site: SPS 3</p>
<p>Pic.7: SPS 4 at Rajghat Colony Nalla</p>	<p>Pic.8: SPS 3 at Near Prabhu Ramlal Ashram Nalla</p>
 <p>Latitude: 25.467863 Longitude: 78.52387 Elevation: 260.012 m Area: 3.9 m Time: 05-10-2024 16:25 Site: SPS 2</p>	
<p>Pic.9: SPS 2 at Lahar Gird Bus Stop Nalla</p>	<p>Pic.10: SPS 1 at Naya Gaon Nalla</p>

C. About Pahuj River:

The Pahuj River originates near village Baidora in district Jhansi. The length of the River Pahuj is approx. 198 km from origin to its mouth. It flows through the

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Bundelkhand region and plays a major part in dividing the border of Madhya Pradesh and Uttar Pradesh (Map of River Pahuj is shown herewith at page -7). As informed by the Irrigation Department, the River generally flows with a discharge only in monsoon season but the flow drastically reduced in summer. The Pahuj River is a tributary of Sindh River, which ultimately joins the Yamuna River in district Jalaun, U.P.

There are three dams constructed in flow of Pahuj River namely,

- i. Dongri dam, near village Chamraua tehsil and district Jhansi.
- ii. Gadiya weir, near village Gadiya in tehsil and district Jhansi
- iii. Pahuj (Simradha) dam, near village Simradha in tehsil and district Jhansi.

Based on the deliberation and discussion with the Irrigation Department, the storage capacity of Dongari dam/ weir is 14.39 MCM. There is no direct off-take canal from Dongari dam. The stored water in the Dongari Dam is used mainly to feed the Pahuj dam.

The storage capacity of the Gadiya weir is 2.517 MCM. and the stored water in Gadiya weir is used to supply for commercial purpose in Indian railway Jhansi.

Dongri dam and Gadiya weir are located upstream of Jhansi City, while Pahuj Dam is located at downstream of Jhansi City. The storage capacity of Pahuj dam is 18.23 MCM. There is direct off-take canal from this dam namely Pahuj main canal

which provides irrigation facility in the villages of block Badagaon tehsil and district Jhansi, as reported by the Irrigation Department. The stored water in this Dam is also used to supply for drinking purposes in the city Jhansi.

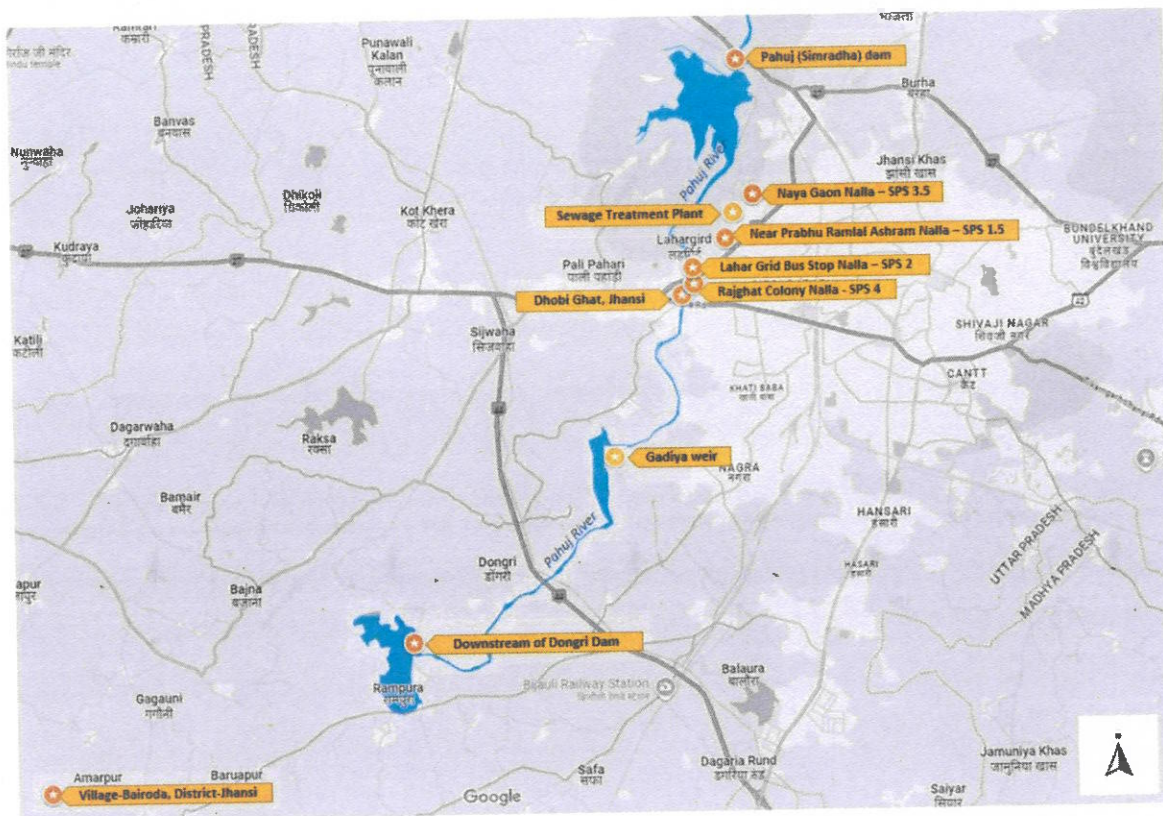
D. Monitoring of River Pahuj:

The Joint Committee visited River Pahuj from Village- Baidora (Jhansi) to Pahuj (Simradha) dam and accordingly collected River Pahuj water samples at different locations. Details of locations of River Water samples collected during the visit are as below:

- a) Village- Baidora, District-Jhansi
- b) Downstream of Dongri Dam
- c) Gadiya weir, near village Gadiya in tehsil and district -Jhansi
- d) Dhobi Ghat, Jhansi
- e) Pahuj (Simradha) dam

The Monitoring results and findings based on analysis results are given ahead in observation.





Google Map of The R. Pahuj showing Sampling, SPS and STP Location

E. Observation of the Joint Committee:

- a) The Pahuj River is travelling approx. 9.51 km within Jhansi City. The water of River Pahuj is used for drinking water supply as well as for irrigation purposes through dams, as informed by the concerned Departments.
- b) The Pahuj River flows during the rainy and winter season, while the flow is very low during the summer season. The flow data from Dongri dam is annexed herewith in Annexure - 2

F. Source of pollution:

- a) The major source of pollution of River Pahuj is sewage generated from the city through major four drains namely Naya Gaon Nalla, Lahar Gird Bus Stop Nalla, Prabhu Ramlal Ashram Nalla and Rajghat Colony Nalla.
- b) The catchment area of the Nalla and average flow (as per STP DPR) are as below:

S. No.	Name of Nalla/Drain	Catchment area	Flow (in MLD)
1	Naya Gaon Nalla	Siddheshwar Nagar (Partial) and ITI College	3.5
2	Lahar Gird Bus Stop Nalla	Siddheshwar Nagar, Laher ki mata	11
3	Near Prabhu Ramlal Ashram Nalla	Rajghat Colony and Panchat Bhawan Colony	1.5
4	Rajghat Colony Nalla	Gadhiya Phatak, Khatiwala Isaitola, Summer Nagar, Sangam Vihar, Surya Puram, K.K.Puri and Aawas Vikas Colony	10

G. Collection of Water Sample and Analysis:

- a) During the Joint Committee visit, all drains carrying untreated sewage is discharged into the River Pahuj. Samples were collected from all drains and analyzed in Uttar Pradesh Pollution Control Board Laboratory (Test Reports

are annexed herewith at Annexure-3, 4, 5 and 6). Analysis results are presented below:

S. No.	Parameter(s)	Unit	Water Sample collected at various locations			
			Naya Gaon Nalla	Lahar Gird Bus Stop Nalla	Near Prabhu Ramlal Ashram Drain	Rajghat Colony Drain
1	pH	--	7.6	7.6	7.43	7.54
2	Colour	Hazen	5	5	5	5
3	EC	µS/cm	690	712	792	618
4	SS	mg/L	831	72	296	47
5	TDS	mg/L	696	722	766	673
6	BOD	mg/L	72.5	54.7	57.5	42.5
7	COD	mg/L	262.2	136.8	193.8	159.6
9	Total Coliform	MPN/100 ml	230000	5400000	680000	9200000
10	Fecal Coliform	MPN/100 ml	130000	2200000	450000	5400000
11	T. Cr	mg/L	ND	ND	ND	ND
12	Copper	mg/L	ND	ND	ND	ND
13	Cadmium	mg/L	ND	ND	ND	ND
14	Lead	mg/L	0.0355	ND	ND	ND
15	Iron	mg/L	1.0039	0.2154	0.9370	0.2956
16	Nickel	mg/L	ND	ND	ND	ND
17	Zinc	mg/L	ND	ND	ND	0.2205
18	Manganese	mg/L	0.473	0.2803	0.3959	0.3298
19	Arsenic	mg/L	ND	ND	ND	ND

ND-Not Detectable

b) It is evident from the above observation; that all drains are carrying untreated sewage.

c) During the visit, the Joint Committee observed that the tapping of drains was under process at all four locations. Sewage Pumping Stations (SPS) 2, SPS 3 and SPS 4 have been installed for Lahar Gird Bus Stop Nalla, Near Prabhu Ramlal Ashram Nalla and Rajghat Colony Nalla respectively. (Pictures of SPS are shown below).



Pic.1: SPS 4 at Rajghat Colony Nalla



Pic.2: SPS 3 at Near Prabhu Ramlal Ashram Nalla



Pic.3: SPS 2 at Lahar Gird Bus Stop Nalla



Pic.4: SPS 1 at Naya Gaon Nalla

Keeps *Rupa*

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Commissioning of the Sewage Pumping Station (SPS) at Naya Gaon Nalla was found to be in progress. During the visit, all SPS were found non-operational. The location map of SPS and STP is shown herewith on page -7.

d) During the visit, the Joint Committee observed that a Sewage Treatment Plant (STP) with a capacity of 26 MLD has been installed at Friend Colony (Near Shivpuri Bypass) to treat the sewage discharged from all four drains mentioned above. STP is based on Sequencing Batch Reactor (SBR) technology. The STP comprises of following units:

- i. Inlet Chamber
- ii. Fine Bar Screen (Manual and automatic)
- iii. Common Chamber
- iv. Grit Chamber
- v. Parshall Flume
- vi. SBR Tank-1, 2, 3 & 4
- vii. Chlorination Tank
- viii. Effluent Sump
- ix. Sludge Thickener
- x. Centrifuge

Swapp *Ruwa*

✓

h *h*



Pic.1: Inlet Chamber



Pic.2: ii. Fine Bar Screen



Pic.3: Common Chamber



Pic.4: Grit Chamber



Pic.5: Parshall Flume



Pic.6: SBR Tank



Pic.7: Chlorination Tank



Pic.8: Effluent Sump

Jays *Pure*

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[Signature]



Pic.9: Centrifuge

- e) Treated sewage from STP will be discharged into the Pahuj River, as reported by the concerned Department. During the visit, STP was not operational. Layout plan of STP is annexed herewith at Annexure-7.
- f) River water samples were also collected from five locations and analyzed in UPPCB Laboratory (Test Reports are annexed herewith at Annexure- 8, 9, 10, 11 and 12). The analysis results are presented below:

S. No.	Parameter	Unit	Water Sample collected at various locations				
			Baidora Gaon	D/s of Dongri Dam	Gadiya weir	Dhobi Ghat	Pahuj Dam
1	pH	--	7.95	7.65	8.1	7.69	7.93
2	Colour	Hazen	5	5	5	5	5
3	EC	$\mu\text{S/cm}$	571	305	393	455	391
4	SS	mg/L	21	18	14	22	26
5	TDS	mg/L	398	258	386	316	282
6	BOD	mg/L	2.9	2.7	2.7	3.3	3.1
7	COD	mg/L	11.96	11.04	10.12	14.72	12.88
8	DO	mg/L	7.2	7.4	8.9	6.72	7.3
9	Total Coliform	MPN/100 ml	2300	240000	13000	45000	490000
10	Fecal Coliform	MPN/100 ml	1300	22000	1400	20000	220000

Surge *Surge*

Surge

Surge

Surge

S. No.	Parameter	Unit	Water Sample collected at various locations				
			Baidora Gaon	D/s of Dongri Dam	Gadiya weir	Dhobi Ghat	Pahuj Dam
11	T. Cr	mg/L	ND	ND	ND	ND	0.0237
12	Copper	mg/L	ND	ND	ND	ND	ND
13	Cadmium	mg/L	ND	ND	ND	ND	ND
14	Lead	mg/L	ND	ND	ND	ND	ND
15	Iron	mg/L	0.2154	0.3089	0.3891	0.1219	0.7767
16	Nickel	mg/L	ND	ND	ND	ND	ND
17	Zinc	mg/L	ND	0.0078	ND	ND	ND
18	Manganese	mg/L	0.1206	0.2748	0.1261	0.1646	0.1922
19	Arsenic	mg/L	ND	ND	ND	ND	ND

ND = Not Detected

g) During the visit, Baidora Gaon sampling point was the initial sampling point which lies in "C" class (Drinking water source after conventional treatment and disinfection) as per Designated-Best-Use (DBU) where BOD, COD, DO levels were 2.9, 11.96, 7.2 mg/L respectively and Total Coliform, Fecal Coliform was 2300, 1300 MPN/100 ml respectively.

h) It is evident from the above analysis results that the water quality of River Pahuj at Dongri Dam, Gadiya weir, Dhobi Ghat, and Pahuj Dam lies in the "D" class (Propagation of Wildlife and Fisheries) as per Designated-Best-Use (DBU).

i) During the visit, the River Pahuj was observed and covered with water hyacinth at several locations in Jhansi City.

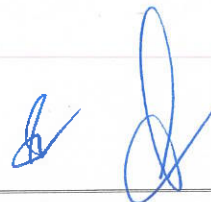
- j) During the visit, Dhobi ghat was observed littered with worship material by devotees/ public. Municipal Corporation has provided bins for the collection of worship material at the site; however, the bins are not in use by the public.

H. Proposed Remedial Measures:

- i. The Municipal Corporation of Jhansi District should expediate for construction, commissioning and operation of all Sewage Pumping Stations (SPS) at the earliest.
- ii. The Municipal Corporation of Jhansi District should expedite for tapping of all drains discharging untreated sewage into River Pahuj and ensure Interception and diversion of sewage into STP for its treatment.
- iii. The different departments of Jhansi District viz. The Municipal Corporation, Irrigation Department, and Rural Development Department must take measures to remove the water hyacinth from the river in a time-bound manner from locations like under bridges, ghats, etc.
- iv. The Municipal Corporation, Jhansi should take necessary action and provide awareness to the Public to prohibit the disposal of solid waste into River as well as in Ghats.
- v. There are two main bridges over the river in Jhansi City where it was observed that people throw worship leftover material into the river from the bridge






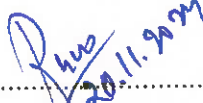


even though protective mesh has been installed on bridges but public awareness campaigns are required.


- vi. At the time of report finalization, it was informed by the Additional Municipal Commissioner, Municipal Corporation Jhansi that tapping of all the four nallas is at the stage of final commissioning. Three out of four pumping stations are at functional stage and in the case of the other one civil work is completed and electricity connections is under process. Once the electricity connection is done then it will take another twenty-five days to develop bacteria and make it fully functional. It is recommended that a timeline should be followed to make STP fully functional as soon as possible.


20-11-2024

Smt. Deepa Arora,
Regional Officer,
UPPCB, Jhansi


20-11-2024


Shri Runa Oraon,
Scientist 'E',
CPCB, RD Lucknow


20/11/2024

Dr. R B Lal,
Scientist 'F',
MoEF&CC, RO, Lucknow


20/11/2024

Shri Satya Prakash,
Municipal Commissioner, Jhansi


20/11/2024

Shri Avinash Kumar,
District Magistrate, Jhansi

Annexure-1

Item No. 08

Court No. 1

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

Original Application No. 1062/2024

Bhanu Sahay

Applicant

Versus

Union of India & Ors.

Respondent(s)

Date of hearing: 16.08.2024

**CORAM: HON'BLE MR. JUSTICE PRAKASH SHRIVASTAVA, CHAIRPERSON
HON'BLE MR. JUSTICE ARUN KUMAR TYAGI, JUDICIAL MEMBER
HON'BLE DR. A. SENTHIL VEL, EXPERT MEMBER**

Applicant: Mr. Bhanu Sahay, Applicant in Person (Through VC)

ORDER

1. In this original application, the applicant has raised the issue of unabated pollution of River Pahuj which is stated to be Tributary of Sindh and Yamuna. The allegation of the applicant is that this river is polluted on account of discharge of sewage, throwing of solid waste & muck and encroachment on the river bank. It is also the allegation that on account of pollution and encroachment the river has shrunk and that this river used to be life line of the surrounding areas of Jhansi.

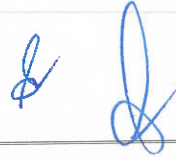
2. The applicant present in person has submitted that it is a pious river flowing adjacent to a temple in Jhansi and bathing in this river has religious significance. But on account of the pollution and encroachment the sentiments are affected.

3. In support of the plea taken in the O.A. the applicant has enclosed a number of newspaper reports and also the photographs.

4. O.A. raises substantial issue relating to compliance of the environmental norms.

1



5. Issue notice to the respondents. Applicant is directed to serve the respondents and file affidavit of service at least one week before the next date of hearing.
6. Having regard to the nature of allegation made in the O.A. we also constitute a Joint Committee comprising of representative of the Member Secretary, UPPCB., Officer nominated by Member Secretary, CPCB not below the rank of Scientist 'D'/'E' CEO/Commissioner of Municipal Corporation, Jhansi, RO MoEF and CC Lucknow and District Magistrate Jhansi. District Magistrate will act as coordinating agency in the Joint Committee.
7. The Joint Committee will visit the site of the river flowing from District Jhansi, will ascertain the source of its pollution, take the water sample, get the analysis done and submit the analysis report and also suggest the remedial measure.
8. The Joint Committee will submit the report at least one week before the next date of hearing.
9. List on 28.11.2024.

Prakash Shrivastava, CP

Arun Kumar Tyagi, JM


Dr. A. Senthil Vel, EM

August 16, 2024
O.A. No. 1062/2024
HB

2

Annexure-2.

कार्यालय अधिकासी अभियन्ता मातृशाला बांध प्रकल्प, हॉसी						
क्र.सं.	बांध का नाम	परिमित जल क्षमता (महल इकाई)	वास्तविक जल क्षमता (महल इकाई)	10 वर्षों में छोड़े वर्ष	गाव जनसंख्या (विवरण)	अनुबंध (विवरण में)
1	सिद्धिबाई	14.39 MCM	13.25 MCM	2014 2015 2016 2017 2018 2019 2020 2021 2022 2023	NIL NIL 1050 NIL 14773 3160 NIL 3240 7820 NIL	NIL NIL 03 NIL 02 06 NIL 20 12 NIL
2	सुपरीक बांध	मोट → सुपरीक बांध में 50000 Discharge सिंचना के सुपरीक बांध में 50000 सिंचना के				


 for अधिकासी अभियन्ता
 मातृशाला बांध प्रकल्प, हॉसी

Deep

Prasanna

R

R

R

Annexure-3.



REGIONAL LABORATORY JHANSI
UTTAR PRADESH POLLUTION CONTROL BOARD
 Avas Vikas Colony, Talpura Yojna, Kanpur Road, Jhansi

TEST REPORT: WATER LABORATORY(SURFACE WATER)

Ref no-28487008/Jhansi/2024

Date:16/10/2024

- 1- Sample Location: SPS-1, JHANSI
 2- District: Jhansi
 3- Address: JHANSI
 4- Sample Source: Drain
 5- Type of sample: Surface Water
 6- Sample Collected By: Anil Kumar Sharma, SA
 7- Odour: None
 8- Quantity and Packing: 500ml Plastic Jerica
 9- Date of Sample Collection: 03/10/2024
 10- Analysis Indented by: RO Jhansi
 11- Date of sample receipt in Lab: 04/10/2024

Parameter	Unit	Results	Detection Range
pH, APHA24th Ed.4500-B: 2023	-	7.6	02-12
Colour, APHA 24th Ed. 2120B: 2023	Hazen	5	5-10000 Hazen
Conductivity, APHA 24th Ed. 2510B :2023	µS/cm	690.0	0.1-10000 µS/cm
Suspended Solids , APHA 24th Ed. 2540 D Total Suspended Solids dried at 103-105 °C 2023	mg/l	831.0	5.0 -10000 mg/l
Dissolved Solids, APHA 24th Ed. 2540 °C Total Dissolved Solids dried at 180 °C 2023	mg/l	696.0	5.0 -10000 mg/l
BOD, APHA 24th Ed. 3 day 27 °C IS 3025 (Part 44): 1993 Bio 2023	mg/l	72.5	1.0 -1000 mg/l
COD, APHA 24th Ed. 5220 B Open Reflux Method 2023	mg/l	262.2	4.0 -1000 mg/l

*Non-NABL Parameters.

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; 3 The test report pertains to the sample as received in Lab

Remark: * -NA

Analysed by
 [Manoj Verma(JRF), Anil Kumar
 Sharma(SA), Krishna Rawat(JRF)]

Authorized by
 Madhavi
 Kamalvanshi
 Dr Madhvi Kamalvanshi (SO)

Deepa
 Arora

Digitally signed by
 Deepa Arora
 Date: 2024.10.21
 14:03:35 +05'30'
 Regional Officer



CENTRAL LABORATORY
UTTAR PRADESH POLLUTION CONTROL BOARD
 Building, No TC-12V Vibhuti Khand, Gomti Nagar, Lucknow-226010



TEST REPORT: WATER LABORATORY(SURFACE WATER)

Ref no-28485565/CENTRAL/2024

Date:16/10/2024

- 1- Sample Location: SPS-1, JHANSI
- 2- District: Jhansi
- 3- Address: JHANSI
- 4- Sample Source: Drain
- 5- Type of sample: Surface Water
- 6- Sample Collected By: Anil Kumar Sharma, SA
- 7- Odour: None
- 8- Quantity and Packing: 1 LITER PLASTIC BOTTLE, MPN BOTTLE
- 9- Date of Sample Collection: 03/10/2024
- 10- Analysis Indented by: RO Jhansi
- 11- Date of sample receipt in Lab: 04/10/2024

Parameter	Unit	Results	Detection Range
Total Chromium, APHA 24th Ed. 3111-B: 2023	mg/l	ND	0.05-1000 mg/l
Copper, APHA 24th Ed. 3111-B: 2023	mg/l	ND	0.01-1000 mg/l
Cadmium, APHA 24th Ed. 3111-B: 2023	mg/l	ND	0.01-1000 mg/l
Lead, APHA 24th Ed 3111B: 2023	mg/l	0.0355	0.09-1000 mg/l
Iron, APHA 24th Ed 3111B: 2023	mg/l	1.0039	0.05-1000 mg/l
Nickel, APHA 24th Ed 3111B: 2023	mg/l	ND	0.04-1000 mg/l
Zinc, APHA 24th Ed. 3111-B: 2023	mg/l	ND	0.01-1000mg/l
Total Coliform, APHA 9221 24th Ed. : 2023	MPN/100 ml	230000	<1.8 MPN/100 ml & above
Fecal Coliform, APHA 9221 24th Ed. : 2023	MPN/100 ml	130000	<1.8 MPN/100 ml & above
*Manganese, APHA 24th Ed. 3500-Mg B Calculation Method 2023	mg/l	0.4730	-
*Arsenic, APHA 24th Ed. 3114-Hydride Generation AAS Method 2023	mg/l	ND	-

*Non-NABL Parameters.

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. 3. The test report pertains to the sample as received in Lab

Remark: * - NA

Analysed by
 [Jyoti Tiwari (SA), Iti Singh (JRF)]

Authorized by
 Reeta Keshav
 Reeta Keshav (ASO)

RAM
 GOPAL
 Chief Environmental Officer
 Central Laboratory

Annexure-4.



REGIONAL LABORATORY JHANSI
UTTAR PRADESH POLLUTION CONTROL BOARD
 Avas Vikas Colony, Talpura Yojna, Kanpur Road, Jhansi

TEST REPORT: WATER LABORATORY(SURFACE WATER)

Ref no-28487020/Jhansi/2024

Date:16/10/2024

- 1- Sample Location: SPS-2, JHANSI
 2- District: Jhansi
 3- Address: JHANSI
 4- Sample Source: Drain
 5- Type of sample: Surface Water
 6- Sample Collected By: Anil Kumar Sharma, SA
 7- Odour: None
 8- Quantity and Packing: 500ml Plastic Jerica
 9- Date of Sample Collection: 03/10/2024
 10- Analysis Indented by: RO Jhansi
 11- Date of sample receipt in Lab: 04/10/2024

Parameter	Unit	Results	Detection Range
pH, APHA 24th Ed. 4500-B: 2023	-	7.6	02-12
Colour, APHA 24th Ed. 2120B: 2023	Hazen	5	5-10000 Hazen
Conductivity, APHA 24th Ed. 2510B :2023	µS/cm	712	0.1-10000 µS/cm
Suspended Solids , APHA 24th Ed. 2540 D Total Suspended Solids dried at 103-105 °C 2023	mg/l	72.0	5.0 -10000 mg/l
Dissolved Solids, APHA 24th Ed. 2540 °C Total Dissolved Solids dried at 180 °C 2023	mg/l	722.0	5.0 -10000 mg/l
BOD, APHA 24th Ed. 3 day 27 °C IS 3025 (Part 44): 1993 Bio 2023	mg/l	54.7	1.0 -1000 mg/l
COD, APHA 24th Ed. 5220 B Open Reflux Method 2023	mg/l	136.8	4.0 -1000 mg/l

*Non-NABL Parameters.

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. 3. The test report pertains to the sample as received in Lab.

Remark: * - NA

Analysed by
 [Manoj Verma(JRF), Anil Kumar
 Sharma(SA), Krishna Rawat(JRF)]

Authorized by
 Madhvi
 Kamalvanshi
 Dr Madhvi Kamalvanshi (SO)

Deepa
 Arora

Digitally signed by
 Deepa Arora
 Date: 2024.10.21
 14:01:57 +05'30'
 Regional Officer



CENTRAL LABORATORY
UTTAR PRADESH POLLUTION CONTROL BOARD
 Building, No TC-12V Vibhutti Khand, Gomti Nagar, Lucknow-226010



TEST REPORT: WATER LABORATORY(SURFACE WATER)

Ref no-28484950/CENTRAL/2024

Date:16/10/2024

- 1- Sample Location: SPS-2, JHANSI
- 2- District: Jhansi
- 3- Address: JHANSI
- 4- Sample Source: Drain
- 5- Type of sample: Surface Water
- 6- Sample Collected By: Anil Kumar Sharma, SA
- 7- Odour: None
- 8- Quantity and Packing: 1 LITER PLASTIC BOTTLE, MPN BOTTLE
- 9- Date of Sample Collection: 03/10/2024
- 10- Analysis Indented by: RO Jhansi
- 11- Date of sample receipt in Lab: 04/10/2024

Parameter	Unit	Results	Detection Range
Total Chromium, APHA 24th Ed. 3111-B: 2023	mg/l	ND	0.05-1000 mg/l
Copper, APHA 24th Ed. 3111-B: 2023	mg/l	ND	0.01-1000 mg/l
Cadmium, APHA 24th Ed. 3111-B: 2023	mg/l	ND	0.01-1000 mg/l
Lead, APHA 24th Ed 3111B: 2023	mg/l	ND	0.09-1000 mg/l
Iron, APHA 24th Ed 3111B: 2023	mg/l	0.2154	0.05-1000 mg/l
Nickel, APHA 24th Ed 3111B: 2023	mg/l	ND	0.04-1000 mg/l
Zinc, APHA 24th Ed. 3111-B: 2023	mg/l	ND	0.01-1000mg/l
Total Coliform, APHA 9221 24th Ed. : 2023	MPN/100 ml	5400000	<1.8 MPN/100 ml & above
Fecal Coliform, APHA 9221 24th Ed. : 2023	MPN/100 ml	2200000	<1.8 MPN/100 ml & above
*Manganese, APHA 24th Ed. 3500-Mg B Calculation Method 2023	mg/l	0.2803	-
*Arsenic, APHA 24th Ed. 3114-Hydride Generation AAS Method 2023	mg/l	ND	-

*Non-NABL Parameters.

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. 3. The test report pertains to the sample as received in Lab.

Remark: * - NA

Analysed by
 [Jyoti Tiwari (SA), Dr Maya Verma (JRF)]

Authorized by
 Digitally signed by
 Reeta Keshav
 Keshav
 Reeta Keshav (ASO)

RAM
 Digitally signed by
 RAM GOPAL
 GOPAL
 Date: 2024.10.16
 Chief Environmental Officer
 Central Laboratory

Annexure-5.



REGIONAL LABORATORY JHANSI
UTTAR PRADESH POLLUTION CONTROL BOARD
 Avas Vikas Colony, Talpura Yojna, Kanpur Road, Jhansi

TEST REPORT: WATER LABORATORY(SURFACE WATER)

Ref no-28487025/Jhansi/2024

Date:16/10/2024

- 1- Sample Location: SPS-3 RAMLAL ASHRAM DRAIN JHANSI
- 2- District: Jhansi
- 3- Address: RAMLAL ASHRAM DRAIN JHANSI
- 4- Sample Source: Drain
- 5- Type of sample: Surface Water
- 6- Sample Collected By: Anil Kumar Sharma, SA
- 7- Odour: None
- 8- Quantity and Packing: 500ml Plastic Jerica
- 9- Date of Sample Collection: 03/10/2024
- 10- Analysis Indented by: RO Jhansi
- 11- Date of sample receipt in Lab: 04/10/2024

Parameter	Unit	Results	Detection Range
pH, APHA 24th Ed. 4500-B: 2023	-	7.43	02-12
Colour, APHA 24th Ed. 2120B: 2023	Hazen	5	5-10000 Hazen
Conductivity, APHA 24th Ed. 2510B :2023	µS/cm	792	0.1-10000 µS/cm
Suspended Solids, APHA 24th Ed. 2540 D Total Suspended Solids dried at 103-105 °C 2023	mg/l	296.0	5.0 -10000 mg/l
Dissolved Solids, APHA 24th Ed. 2540 °C Total Dissolved Solids dried at 180 °C 2023	mg/l	766.0	5.0 -10000 mg/l
BOD, APHA 24th Ed. 3 day 27 °C IS 3025 (Part 44): 1993 Bio 2023	mg/l	57.5	1.0 -1000 mg/l
COD, APHA 24th Ed. 5220 B Open Reflux Method 2023	mg/l	193.8	4.0 -1000 mg/l

*Non-NABL Parameters.

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. 3. The test report pertains to the sample as received in Lab.

Remark: * - NA

Analysed by
 [Manoj Verma(JRF), Anil Kumar
 Sharma(SA), Krishna Rawat(JRF)]

Authorized by
 Madhavi
 Kamalvanshi
 Dr Madhvi Kamalvanshi (SO)

Deepa
 Arora

Digitally signed by
 Deepa Arora
 Date: 2024.10.21
 14:00:12 +05'30'

Regional Officer



CENTRAL LABORATORY
UTTAR PRADESH POLLUTION CONTROL BOARD
 Building, No TC-12V Vibhuti Khand, Gomti Nagar, Lucknow-226010



TEST REPORT: WATER LABORATORY(SURFACE WATER)

Ref no-28484717/CENTRAL/2024

Date:16/10/2024

- 1- Sample Location: SPS-3 RAMLAL ASHRAM DRAIN JHANSI
- 2- District: Jhansi
- 3- Address: RAMLAL ASHRAM DRAIN JHANSI
- 4- Sample Source: Drain
- 5- Type of sample Surface Water
- 6- Sample Collected By Anil Kumar Sharma, SA
- 7- Odour None
- 8- Quantity and Packing 1 LITER PLASTIC BOTTLE, MPN BOTTLE
- 9- Date of Sample Collection 03/10/2024
- 10- Analysis Indented by RO Jhansi
- 11- Date of sample receipt in Lab 04/10/2024

Parameter	Unit	Results	Detection Range
Total Chromium, APHA 24th Ed. 3111-B: 2023	mg/l	ND	0.05-1000 mg/l
Copper, APHA 24th Ed. 3111-B: 2023	mg/l	ND	0.01-1000 mg/l
Cadmium, APHA 24th Ed. 3111-B: 2023	mg/l	ND	0.01-1000 mg/l
Lead, APHA 24th Ed 3111B: 2023	mg/l	ND	0.09-1000 mg/l
Iron, APHA 24th Ed 3111B: 2023	mg/l	0.9370	0.05-1000 mg/l
Nickel, APHA 24th Ed 3111B: 2023	mg/l	ND	0.04-1000 mg/l
Zinc, APHA 24th Ed. 3111-B: 2023	mg/l	ND	0.01-1000mg/l
Total Coliform, APHA 9221 24th Ed. : 2023	MPN/100 ml	680000	<1.8 MPN/100 ml & above
Fecal Coliform, APHA 9221 24th Ed. : 2023	MPN/100 ml	450000	<1.8 MPN/100 ml & above
*Manganese, APHA 24th Ed. 3500-Mg B Calculation Method 2023	mg/l	0.3959	-
*Arsenic, APHA 24th Ed. 3114-Hydride Generation AAS Method 2023	mg/l	ND	-

*Non-NABL Parameters.

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. 3. The test report pertains to the sample as received in Lab.

Remark: * - NA

Analysed by
 [Jyoti Tiwari (SA), Dr Maya Verma
 (JRF)]

Authorized by
 Reeta Keshav
 Keshav
 Reeta Keshav (ASO)

RAM
 GOPAL
 Chief Environmental Officer
 Central Laboratory

1 of Page 2

Annexure-6



REGIONAL LABORATORY JHANSI
UTTAR PRADESH POLLUTION CONTROL BOARD
 Avas Vikas Colony, Talpura Yojna, Kanpur Road, Jhansi

TEST REPORT: WATER LABORATORY(SURFACE WATER)

Ref no-28487033/Jhansi/2024

Date:16/10/2024

- 1- Sample Location: SPS-4, RAJGHAT COLONY, JHANSI
- 2- District: Jhansi
- 3- Address: RAJGHAT COLONY JHANSI
- 4- Sample Source: Drain
- 5- Type of sample: Surface Water
- 6- Sample Collected By: Anil Kumar Sharma, SA
- 7- Odour: None
- 8- Quantity and Packing: 500ml Plastic Jerica
- 9- Date of Sample Collection: 03/10/2024
- 10- Analysis Indented by: ERO Jhansi
- 11- Date of sample receipt in Lab: 04/10/2024

Parameter	Unit	Results	Detection Range
pH, APHA24th Ed.4500-B: 2023	-	7.54	02-12
Colour, APHA 24th Ed. 2120B: 2023	Hazen	5	5-10000 Hazen
Conductivity, APHA 24th Ed. 2510B :2023	µS/cm	618.0	0.1-10000 µS/cm
Suspended Solids , APHA 24th Ed. 2540 D Total Suspended Solids dried at 103-105 °C 2023	mg/l	47.0	5.0 -10000 mg/l
Dissolved Solids, APHA 24th Ed. 2540 °C Total Dissolved Solids dried at 180 °C 2023	mg/l	673.0	5.0 -10000 mg/l
BOD, APHA 24th Ed. 3 day 27 °C IS 3025 (Part 44): 1993 Bio 2023	mg/l	42.5	1.0 -1000 mg/l
COD, APHA 24th Ed. 5220 B Open Reflux Method 2023	mg/l	159.6	4.0 -1000 mg/l

*Non-NABL Parameters.

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. 3 The test report pertains to the sample as received in Lab.

Remark: * -NA

Analysed by
 [Manoj Verma(JRF), Anil Kumar
 Sharma(SA), Krishna Rawat(JRF)]

Authorized by
 Madhavi
 Kamalvanshi
 Dr Madhvi Kamalvanshi (SO)

Digitally signed by
 Deepa Arora
 Date: 2024.10.21
 13:58:16 +05'30'
 Regional Officer



CENTRAL LABORATORY
UTTAR PRADESH POLLUTION CONTROL BOARD
 Building. No TC-12V Vibhuti Khand, Gomti Nagar, Lucknow-226010



TEST REPORT: WATER LABORATORY(SURFACE WATER)

Ref no-28484555/CENTRAL/2024

Date:16/10/2024

- 1- Sample Location: SPS-4, RAJGHAT COLONY, JHANSI
- 2- District: Jhansi
- 3- Address: RAJGHAT COLONY JHANSI
- 4- Sample Source: Drain
- 5- Type of sample: Surface Water
- 6- Sample Collected By: Anil Kumar Sharma, SA
- 7- Odour: None
- 8- Quantity and Packing: 1 LITER PLASTIC BOTTLE, MPN BOTTLE
- 9- Date of Sample Collection: 03/10/2024
- 10- Analysis Indented by: RO Jhansi
- 11- Date of sample receipt in Lab: 04/10/2024

Parameter	Unit	Results	Detection Range
Total Chromium, APHA 24th Ed. 3111-B: 2023	mg/l	ND	0.05-1000 mg/l
Copper, APHA 24th Ed. 3111-B: 2023	mg/l	ND	0.01-1000 mg/l
Cadmium, APHA 24th Ed. 3111-B: 2023	mg/l	ND	0.01-1000 mg/l
Lead, APHA 24th Ed. 3111-B: 2023	mg/l	ND	0.09-1000 mg/l
Iron, APHA 24th Ed. 3111-B: 2023	mg/l	0.2956	0.05-1000 mg/l
Nickel, APHA 24th Ed. 3111-B: 2023	mg/l	ND	0.04-1000 mg/l
Zinc, APHA 24th Ed. 3111-B: 2023	mg/l	0.2205	0.01-1000mg/l
Total Coliform, APHA 9221 24th Ed. : 2023	MPN/100 ml	9200000	<1.8 MPN/100 ml & above
Fecal Coliform, APHA 9221 24th Ed. : 2023	MPN/100 ml	5400000	<1.8 MPN/100 ml & above
*Manganese, APHA 24th Ed. 3500-Mg B Calculation Method 2023	mg/l	0.3298	-
*Arsenic, APHA 24th Ed. 3114-Hydride Generation AAS Method 2023	mg/l	ND	-

*Non-NABL Parameters.

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. 3. The test report pertains to the sample as received in Lab.

Remark: * -NA

Analysed by
 [Dr Mamta Pandey(SA), Rahul Singh(JRF)]

Authorized by
 Reeta
 Keshav
 Reeta Keshav (ASO)

RAM
 GOPAL
 Chief Environmental Officer
 Central Laboratory

Digitally signed
 by RAM GOPAL
 Date: 2024.10.16
 12:03:15 +05:30

Annexure-8



REGIONAL LABORATORY JHANSI
UTTAR PRADESH POLLUTION CONTROL BOARD
 Avas Vikas Colony, Talpura Yojna, Kanpur Road, Jhansi

TEST REPORT: WATER LABORATORY(SURFACE WATER)

Ref no-28486982/Jhansi/2024

Date:16/10/2024

- 1- Sample Location: BAIDORA, VILLAGE-JHANSI
- 2- District: Jhansi
- 3- Address: VILLAGE-BAIDORA, JHANSI
- 4- Sample Source: River
- 5- Type of sample: Surface Water
- 6- Sample Collected By: Anil Kumar Sharma, SA
- 7- Odour: None
- 8- Quantity and Packing: 500ml Plastic Jerica, DO Bottle
- 9- Date of Sample Collection: 03/10/2024
- 10- Analysis Indented by: ERO Jhansi
- 11- Date of sample receipt in Lab: 04/10/2024

Parameter	Unit	Results	Detection Range
pH, APHA24th Ed.4500-B: 2023	-	7.95	02-12
Colour, APHA 24th Ed. 2120B: 2023	Hazen	5	5-10000 Hazen
Conductivity, APHA 24th Ed. 2510B :2023	µS/cm	571	0.1-10000 µS/cm
Suspended Solids , APHA 24th Ed. 2540 D Total Suspended Solids dried at 103-105 °C 2023	mg/l	21.0	5.0 -10000 mg/l
Dissolved Solids, APHA 24th Ed. 2540 °C Total Dissolved Solids dried at 180 °C 2023	mg/l	398.0	5.0 -10000 mg/l
BOD, APHA 24th Ed. 3 day 27 °C IS 3025 (Part 44): 1993 Bio 2023	mg/l	2.90	1.0 -1000 mg/l
COD, APHA 24th Ed. 5220 B Open Reflux Method 2023	mg/l	11.96	4.0 -1000 mg/l
D.O. , APHA 24th Ed. 4500-OB Iodometric Method 2023	mg/l	7.20	0.2-14.0 mg/l

*Non-NABL Parameters.

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. 3 The test report pertains to the sample as received in Lab.

Remark: * - NA

Analysed by
 [Manoj Verma(JRF), Anil Kumar
 Sharma(SA), Krishna Rawat(JRF)]

Authorized by
 Madhavi
 Kamalvanshi
 Dr Madhvi Kamalvanshi (SO)

Deepa
 Arora
 Digitally signed by
 Deepa Arora
 Date: 2024.10.21
 14:07:25 +05'30'
 Regional Officer



CENTRAL LABORATORY
UTTAR PRADESH POLLUTION CONTROL BOARD
 Building, No TC-12V Vibhuti Khand, Gomti Nagar, Lucknow-226010



TEST REPORT: WATER LABORATORY(SURFACE WATER)

Ref no-28484253/CENTRAL/2024

Date:16/10/2024

- 1- **Sample Location:** BAIDORA, VILLAGE-JHANSI
- 2- **District:** Jhansi
- 3- **Address:** VILLAGE-BAIDORA, JHANSI
- 4- **Sample Source:** River
- 5- **Type of sample:** Surface Water
- 6- **Sample Collected By:** Anil Kumar Sharma, SA
- 7- **Odour:** None
- 8- **Quantity and Packing:** 1 LITER PLASTIC BOTTLE, MPN BOTTLE
- 9- **Date of Sample Collection:** 03/10/2024
- 10- **Analysis Indented by:** RO Jhansi
- 11- **Date of sample receipt in Lab:** 04/10/2024

Parameter	Unit	Results	Detection Range
Total Chromium, APHA 24th Ed. 3111-B: 2023	mg/l	ND	0.05-1000 mg/l
Copper, APHA 24th Ed. 3111-B: 2023	mg/l	ND	0.01-1000 mg/l
Cadmium, APHA 24th Ed. 3111-B: 2023	mg/l	ND	0.01-1000 mg/l
Lead, APHA 24th Ed. 3111-B: 2023	mg/l	ND	0.09-1000 mg/l
Iron, APHA 24th Ed. 3111-B: 2023	mg/l	0.2154	0.05-1000 mg/l
Nickel, APHA 24th Ed. 3111-B: 2023	mg/l	ND	0.04-1000 mg/l
Zinc, APHA 24th Ed. 3111-B: 2023	mg/l	ND	0.01-1000mg/l
Total Coliform, APHA 9221 24th Ed. : 2023	MPN/100 ml	2300	<1.8 MPN/100 ml & above
Fecal Coliform, APHA 9221 24th Ed. : 2023	MPN/100 ml	1300	<1.8 MPN/100 ml & above
*Manganese, APHA 24th Ed. 3500-Mg B Calculation Method 2023	mg/l	0.1206	-
*Arsenic, APHA 24th Ed. 3114-Hydride Generation AAS Method 2023	mg/l	ND	-

*Non-NABL Parameters.

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; 3. The test report pertains to the sample as received in Lab

Remark: * - NA

Analysed by
[Dr Mamta Pandey(SA), Rahul Singh(JRF)]

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 Reeta
 Keshav
 Reeta Keshav (ASO)
 Date: 2024.10.16
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 Chief Environmental Officer
 Central Laboratory
 Digitally signed by
 RAM GOPAL
 Date: 2024.10.16
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Reeta

Rahul

[Signature]

[Signature]

[Signature]

Annexure-9



REGIONAL LABORATORY JHANSI
UTTAR PRADESH POLLUTION CONTROL BOARD
 Avas Vikas Colony, Taipura Yojna, Kanpur Road, Jhansi

TEST REPORT: WATER LABORATORY(SURFACE WATER)

Ref no-28486970/Jhansi/2024

Date:16/10/2024

- 1- Sample Location: Dongri Dam
- 2- District: Jhansi
- 3- Address: Near Gram Chamrana, Vikas Khand Babina, Jhansi
- 4- Sample Source: River
- 5- Type of sample: Surface Water
- 6- Sample Collected By: Anil Kumar Sharma, SA
- 7- Odour: None
- 8- Quantity and Packing: 500ml Plastic Jerica, DO Bottle
- 9- Date of Sample Collection: 03/10/2024
- 10- Analysis Indented by: RO Jhansi
- 11- Date of sample receipt in Lab: 04/10/2024

Parameter	Unit	Results	Detection Range
pH, APHA 24th Ed. 4500-B: 2023	-	7.65	02-12
Colour, APHA 24th Ed. 2120B: 2023	Hazen	5	5-10000 Hazen
Conductivity, APHA 24th Ed. 2510B :2023	µS/cm	305.0	0.1-10000 µS/cm
Suspended Solids, APHA 24th Ed. 2540 D Total Suspended Solids dried at 103-105 °C 2023	mg/l	18.0	5.0 -10000 mg/l
Dissolved Solids, APHA 24th Ed. 2540 C Total Dissolved Solids dried at 180 °C 2023	mg/l	258.0	5.0 -10000 mg/l
BOD, APHA 24th Ed. 3 day 27 °C IS 3025 (Part 44): 1993 Bio 2023	mg/l	2.7	1.0 -1000 mg/l
COD, APHA 24th Ed. 5220 B Open Reflux Method 2023	mg/l	11.04	4.0 -1000 mg/l
D.O., APHA 24th Ed. 4500-OB Iodometric Method 2023	mg/l	7.40	0.2-14.0 mg/l

*Non-NABL Parameters.

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. 3. The test report pertains to the sample as received in Lab.

Remark: * - NA

Analysed by
 [Manoj Verma(JRF), Anil Kumar
 Sharma(SA), Krishna Rawat(JRF)]

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 Dr Madhvi Kamalvanshi (SO)

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 Regional Officer



CENTRAL LABORATORY
UTTAR PRADESH POLLUTION CONTROL BOARD
 Building, No TC-12V Vibhuti Khand, Gomti Nagar, Lucknow-226010



TEST REPORT: WATER LABORATORY(SURFACE WATER)

Ref no-28483909/CENTRAL/2024

Date:16/10/2024

- 1- Sample Location: Dongri Dam
- 2- District: Jhansi
- 3- Address: Near Gram Chamraua ,Vikas Khand Babina, Jhansi
- 4- Sample Source: Other
- 5- Type of sample: Surface Water
- 6- Sample Collected By: Anil Kumar Sharma, SA
- 7- Odour: None
- 8- Quantity and Packing: 1 LITER PLASTIC BOTTLE, MPN BOTTLE
- 9- Date of Sample Collection: 03/10/2024
- 10- Analysis Indented by: ERO Jhansi
- 11- Date of sample receipt in Lab: 04/10/2024

Parameter	Unit	Results	Detection Range
Total Chromium, APHA24th Ed.3111-B: 2023	mg/l	ND	0.05-1000 mg/l
Copper, APHA 24th Ed. 3111-B: 2023	mg/l	ND	0.01-1000 mg/l
Cadmium, APHA 24th Ed.3111-B: 2023	mg/l	ND	0.01-1000 mg/l
Lead, APHA 24th Ed 3111B: 2023	mg/l	ND	0.09-1000 mg/l
Iron, APHA 24th Ed 3111B: 2023	mg/l	0.3089	0.05-1000 mg/l
Nickel, APHA 24th Ed 3111B: 2023	mg/l	ND	0.04-1000 mg/l
Zinc, APHA 24th Ed.3111-B: 2023	mg/l	0.0078	0.01-1000mg/l
Total Coliform, APHA 9221 24th Ed. : 2023	MPN/100 ml	240000	<1.8 MPN/100 ml & above
Fecal Coliform, APHA 9221 24th Ed. : 2023	MPN/100 ml	22000	<1.8 MPN/100 ml & above
*Manganese, APHA 24th Ed. 3500-Mg B Calculation Method 2023	mg/l	0.2748	-
*Arsenic, APHA 24th Ed. 3114-Hydride Generation AAS Method 2023	mg/l	ND	-

*Non-NABL Parameters.

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. 3. The test report pertains to the sample as received in Lab.

Remark: * - NA

Analysed by
 [Dr Mamta Pandey(SA), Rahul Singh(JRF)]

Authorized by
 Reeta Keshav
 Reeta Keshav (ASO)

RAM
 GOPAL
 Chief Environmental Officer
 Central Laboratory

Digitally signed by
 RAM GOPAL
 Date: 2024.10.16
 11:30:43 +05:30

Annexure-10



REGIONAL LABORATORY JHANSI
UTTAR PRADESH POLLUTION CONTROL BOARD

Avas Vikas Colony, Taipura Yojna, Kanpur Road, Jhansi

TEST REPORT: WATER LABORATORY(SURFACE WATER)

Ref no-28486999/Jhansi/2024

Date:16/10/2024

- 1- Sample Location: RAILWAY DAM
- 2- District: Jhansi
- 3- Address: JHANSI
- 4- Sample Source: River
- 5- Type of sample: Surface Water
- 6- Sample Collected By: Anil Kumar Sharma, SA
- 7- Odour: None
- 8- Quantity and Packing: 500ml Plastic Jerica, Do Bottle
- 9- Date of Sample Collection: 03/10/2024
- 10- Analysis Indented by: ERO Jhansi
- 11- Date of sample receipt in Lab: 04/10/2024

Parameter	Unit	Results	Detection Range
pH, APHA24th Ed.4500-B: 2023	-	8.1	02-12
Colour, APHA 24th Ed. 2120B: 2023	Hazen	5	5-10000 Hazen
Conductivity, APHA 24th Ed. 2510B :2023	µS/cm	393	0.1-10000 µS/cm
Suspended Solids , APHA 24th Ed. 2540 D Total Suspended Solids dried at 103-105 °C 2023	mg/l	14.0	5.0 -10000 mg/l
Dissolved Solids, APHA 24th Ed. 2540 °C Total Dissolved Solids dried at 180 °C 2023	mg/l	386.0	5.0 -10000 mg/l
BOD, APHA 24th Ed. 3 day 27 °C IS 3025 (Part 44): 1993 Bio 2023	mg/l	2.70	1.0 -1000 mg/l
COD, APHA 24th Ed. 5220 B Open Reflux Method 2023	mg/l	10.12	4.0 -1000 mg/l
D.O. , APHA 24th Ed. 4500-OB Iodometric Method 2023	mg/l	8.9	0.2-14.0 mg/l

*Non-NABL Parameters

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. 3. The test report pertains to the sample as received in Lab

Remark: * - NA

Analysed by
{Manoj Verma(JRF), Anil Kumar
Sharma(SA), Krishna Rawat(JRF)}

Authorized by
Madhavi
Kamalvanshi
Dr Madhvi Kamalvaushi (SO)

Deepa
Arora
Regional Officer

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Date: 2024.10.16 14:05:07 +05'30'



CENTRAL LABORATORY
UTTAR PRADESH POLLUTION CONTROL BOARD
 Building, No TC-12V Vibhuti Khand, Gomti Nagar, Lucknow-226010



TEST REPORT: WATER LABORATORY(SURFACE WATER)

Ref no-28484372/CENTRAL/2024

Date:16/10/2024

- 1- Sample Location: RAILWAY DAM
- 2- District: Jhansi
- 3- Address: JHANSI
- 4- Sample Source: Other
- 5- Type of sample: Surface Water
- 6- Sample Collected By: Anil Kumar Sharma, SA
- 7- Odour: None
- 8- Quantity and Packing: 1 LITER PLASTIC BOTTLE, MPN BOTTLE
- 9- Date of Sample Collection: 03/10/2024
- 10- Analysis Indented by: RO Jhansi
- 11- Date of sample receipt in Lab: 04/10/2024

Parameter	Unit	Results	Detection Range
Total Chromium, APHA 24th Ed. 3111-B: 2023	mg/l	ND	0.05-1000 mg/l
Copper, APHA 24th Ed. 3111-B: 2023	mg/l	ND	0.01-1000 mg/l
Cadmium, APHA 24th Ed. 3111-B: 2023	mg/l	ND	0.01-1000 mg/l
Lead, APHA 24th Ed 3111B: 2023	mg/l	ND	0.09-1000 mg/l
Iron, APHA 24th Ed 3111B: 2023	mg/l	0.3891	0.05-1000 mg/l
Nickel, APHA 24th Ed 3111B: 2023	mg/l	ND	0.04-1000 mg/l
Zinc, APHA 24th Ed. 3111-B: 2023	mg/l	ND	0.01-1000mg/l
Total Coliform, APHA 9221 24th Ed. : 2023	MPN/100 ml	13000	<1.8 MPN/100 ml & above
Fecal Coliform, APHA 9221 24th Ed. : 2023	MPN/100 ml	1400	<1.8 MPN/100 ml & above
*Manganese, APHA 24th Ed. 3500-Mg B Calculation Method 2023	mg/l	0.1261	-
*Arsenic, APHA 24th Ed. 3114-Hydride Generation AAS Method 2023	mg/l	ND	-

*Non-NABL Parameters.

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; 3. The test report pertains to the sample as received in Lab

Remark: * - NA

Analysed by
 [Dr Mamta Pandey(SA), Rahul Singh(JRF)]

Authorized by
 Reeta
 Keshav
 Reeta Keshav (ASO)

RAM
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 Chief Environmental Officer
 Central Laboratory

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 by RAM GOPAL
 Date: 2024.10.16
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Annexure-11



REGIONAL LABORATORY JHANSI
UTTAR PRADESH POLLUTION CONTROL BOARD
 Avas Vikas Colony, Talpura Yojna, Kanpur Road, Jhansi

TEST REPORT: WATER LABORATORY(SURFACE WATER)

Ref no-28487072/Jhansi/2024

Date:16/10/2024

- 1- Sample Location: PAHUNJ RIVER
- 2- District: Jhansi
- 3- Address: DHOBIGHAT, JHANSI
- 4- Sample Source: River
- 5- Type of sample: Surface Water
- 6- Sample Collected By: Anil Kumar Sharma, SA
- 7- Odour: None
- 8- Quantity and Packing: 500ml Plastic Jerica, Do Bottle
- 9- Date of Sample Collection: 03/10/2024
- 10- Analysis Indented by: RO Jhansi
- 11- Date of sample receipt in Lab: 04/10/2024

Parameter	Unit	Results	Detection Range
pH, APHA24th Ed.4500-B: 2023	-	7.69	02-12
Colour, APHA 24th Ed. 2120B: 2023	Hazen	5	5-10000 Hazen
Conductivity, APHA 24th Ed. 2510B :2023	µS/cm	455	0.1-10000 µS/cm
Suspended Solids , APHA 24th Ed. 2540 D Total Suspended Solids dried at 103-105 °C 2023	mg/l	22.0	5.0 -10000 mg/l
Dissolved Solids, APHA 24th Ed. 2540 °C Total Dissolved Solids dried at 180 °C 2023	mg/l	316.0	5.0 -10000 mg/l
BOD, APHA 24th Ed. 3 day 27 °C IS 3025 (Part 44): 1993 Bio 2023	mg/l	3.3	1.0 -1000 mg/l
COD, APHA 24th Ed. 5220 B Open Reflux Method 2023	mg/l	14.72	4.0 -1000 mg/l
D.O. , APHA 24th Ed. 4500-OB Iodometric Method 2023	mg/l	6.72	0.2-14.0 mg/l

*Non-NABL Parameters.

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. 3. The test report pertains to the sample as received in Lab

Remark: * - NA

Analysed by
 [Manoj Verma(JRF), Anil Kumar
 Sharma(SA), Krishna Rawat(JRF)]

Authorized by
 Madhavi
 Kamalvanshi
 Dr Madhvi Kamalvanshi (SO)

Deepa
 Arora

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 Deepa Arora
 Date: 2024.10.21
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 Regional Officer



CENTRAL LABORATORY
UTTAR PRADESH POLLUTION CONTROL BOARD
 Building, No TC-12V Vibhuti Khand, Gomti Nagar, Lucknow-226010



TEST REPORT: WATER LABORATORY(SURFACE WATER)

Ref no-28485352/CENTRAL/2024

Date:16/10/2024

- 1- Sample Location: RAHUNJ RIVER
- 2- District: Jhansi
- 3- Address: DHOBIGHAT, JHANSI
- 4- Sample Source: River
- 5- Type of sample: Surface Water
- 6- Sample Collected By: Anil Kumar Sharma, SA
- 7- Odour: None
- 8- Quantity and Packing: 1 LITER PLASTIC BOTTLE, MPN BOTTLE
- 9- Date of Sample Collection: 03/10/2024
- 10- Analysis Indented by: RO Jhansi
- 11- Date of sample receipt in Lab: 04/10/2024

Parameter	Unit	Results	Detection Range
Total Chromium, APHA 24th Ed. 3111-B: 2023	mg/l	ND	0.05-1000 mg/l
Copper, APHA 24th Ed. 3111-B: 2023	mg/l	ND	0.01-1000 mg/l
Cadmium, APHA 24th Ed. 3111-B: 2023	mg/l	ND	0.01-1000 mg/l
Lead, APHA 24th Ed 3111B: 2023	mg/l	ND	0.09-1000 mg/l
Iron, APHA 24th Ed 3111B: 2023	mg/l	0.1219	0.05-1000 mg/l
Nickel, APHA 24th Ed 3111B: 2023	mg/l	ND	0.04-1000 mg/l
Zinc, APHA 24th Ed. 3111-B: 2023	mg/l	ND	0.01-1000mg/l
Total Coliform, APHA 9221 24th Ed. : 2023	MPN/100 ml	45000	<1.8 MPN/100 ml & above
Fecal Coliform, APHA 9221 24th Ed. : 2023	MPN/100 ml	20000	<1.8 MPN/100 ml & above
*Manganese, APHA 24th Ed. 3500-Mg B Calculation Method 2023	mg/l	0.1646	-
*Arsenic, APHA 24th Ed. 3114-Hydride Generation AAS Method 2023	mg/l	ND	-

*Non-NABL Parameters

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. 3. The test report pertains to the sample as received in Lab

Remark: * - NA

Analysed by
 [Jyoti Tiwari (SA), Iiti Singh (JRF)]

Authorized by
 Reeta
 Keshav
 Reeta Keshav (ASO)

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 Chief Environmental Officer
 Central Laboratory

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 by RAM GOPAL
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Jyoti

Reeta

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Annexure-12



REGIONAL LABORATORY JHANSI
UTTAR PRADESH POLLUTION CONTROL BOARD
 Avas Vikas Colony, Talpura Yojna, Kanpur Road, Jhansi

TEST REPORT: WATER LABORATORY(SURFACE WATER)

Ref no-28487056/Jhansi/2024

Date:16/10/2024

- 1- Sample Location: Pahnaj Dam
- 2- District: Jhansi
- 3- Address: Gwalior Road, Jhansi
- 4- Sample Source: River
- 5- Type of sample: Surface Water
- 6- Sample Collected By: Anil Kumar Sharma, SA
- 7- Odour: None
- 8- Quantity and Packing: 500ml Plastic Jerica, Do Bottle
- 9- Date of Sample Collection: 03/10/2024
- 10- Analysis Indented by: ERO Jhansi
- 11- Date of sample receipt in Lab: 04/10/2024

Parameter	Unit	Results	Detection Range
pH, APHA24th Ed.4500-B: 2023	-	7.93	02-12
Colour, APHA 24th Ed. 2120B: 2023	Hazen	5	5-10000 Hazen
Conductivity, APHA 24th Ed. 2510B :2023	µS/cm	391	0.1-10000 µS/cm
Suspended Solids , APHA 24th Ed. 2540 D Total Suspended Solids dried at 103-105 °C 2023	mg/l	26.0	5.0 -10000 mg/l
Dissolved Solids, APHA 24th Ed. 2540 °C Total Dissolved Solids dried at 180 °C 2023	mg/l	282.0	5.0 -10000 mg/l
BOD, APHA 24th Ed. 3 day 27 °C IS 3025 (Part 44): 1993 Bio 2023	mg/l	3.1	1.0 -1000 mg/l
COD, APHA 24th Ed. 5220 B Open Reflux Method 2023	mg/l	12.88	4.0 -1000 mg/l
D.O. , APHA 24th Ed. 4500-OB Iodometric Method 2023	mg/l	7.3	0.2-14.0 mg/l

*Non-NABL Parameters.

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 3. The test report pertains to the sample as received in Lab

Remark: * - NA

Analysed by
 [Manoj Verma(JRF), Anil Kumar
 Sharma(SA), Krishna Rawat(JRF)]

Authorized by
 Madhavi
 Kamalvanshi
 Dr Madhvi Kamalvanshi (SO)

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 Date: 2024.10.16 17:52:59 +05:30

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 Regional Officer

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CENTRAL LABORATORY
UTTAR PRADESH POLLUTION CONTROL BOARD
 Building, No TC-12V Vibhuti Khand, Gomti Nagar, Lucknow-226010



TEST REPORT: WATER LABORATORY(SURFACE WATER)

Ref no-28485078/CENTRAL/2024

Date:16/10/2024

- 1- Sample Location: Pahnj Dam
- 2- District: Jhansi
- 3- Address: Jhansi
- 4- Sample Source: Other
- 5- Type of sample Surface Water
- 6- Sample Collected By Anil Kumar Sharma, SA
- 7- Odour None
- 8- Quantity and Packing 1 LITER PLASTIC BOTTLE, MPN BOTTLE
- 9- Date of Sample Collection 03/10/2024
- 10- Analysis Indented by RO Jhansi
- 11- Date of sample receipt in Lab 04/10/2024

Parameter	Unit	Results	Detection Range
Total Chromium, APHA 24th Ed. 3111-B: 2023	mg/l	0.0237	0.05-1000 mg/l
Copper, APHA 24th Ed. 3111-B: 2023	mg/l	ND	0.01-1000 mg/l
Cadmium, APHA 24th Ed. 3111-B: 2023	mg/l	ND	0.01-1000 mg/l
Lead, APHA 24th Ed 3111B: 2023	mg/l	ND	0.09-1000 mg/l
Iron, APHA 24th Ed 3111B: 2023	mg/l	0.7767	0.05-1000 mg/l
Nickel, APHA 24th Ed 3111B: 2023	mg/l	ND	0.04-1000 mg/l
Zinc, APHA 24th Ed. 3111-B: 2023	mg/l	ND	0.01-1000mg/l
Total Coliform, APHA 9221 24th Ed. : 2023	MPN/100 ml	490000	<1.8 MPN/100 ml & above
Fecal Coliform, APHA 9221 24th Ed. : 2023	MPN/100 ml	220000	<1.8 MPN/100 ml & above
*Manganese, APHA 24th Ed. 3500-Mg B Calculation Method 2023	mg/l	0.1922	-
*Arsenic, APHA 24th Ed. 3114-Hydride Generation AAS Method 2023	mg/l	ND	-

*Non-NABL Parameters

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. 3. The test report pertains to the sample as received in Lab.

Remark: * - NA

Analysed by
 {Jyoti Tiwari (SA), Iti Singh (JRF)}

Authorized by
 Reeta
 Keshav
 Reeta Keshav (ASO)

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 Reeta Keshav
 Date: 2024.10.16
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 Chief Environmental Officer
 Central Laboratory

Digitally signed
 by RAM GOPAL
 Date: 2024.10.16
 12:10:07 +05.30

Jyoti

Iti

Reeta

Ram

Gopal

IN THE NATIONAL GREEN TRIBUNAL,
PRINCIPAL BENCH, NEW DELHI
ORIGINAL APPLICATION NO. 106.2 OF 2024

VAKALATNAMA

IN THE MATTER OF :

BHANU SAHAY

...Applicant

Versus

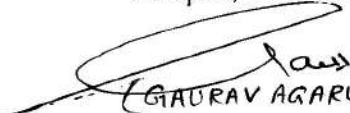
Union of India & others..

...Respondents

KNOW ALL to whom these present shall come that I/We NAGAR NICAM JHANSI the above named Respondent do hereby appoint Mr. GAURAV AGRAWAL (hereinafter called the advocate/s) to be my/our Advocate in the above noted case and authorize him :- To act, appear and plead in the above-noted case in this Court or in any other Court in which the same may be tried or heard and also in the appellate Court including High Court subject to payment of fees separately for each Court by me/ us. To sign, file verify and present pleadings, appeals cross objections or petitions for execution review, revision, withdrawal, compromise or other petitions or affidavits or other documents as may be deemed necessary or proper for the prosecution of the said case in all its stages. To file and take back documents to admit and/or deny the documents of opposite party. To withdraw or compromise the said case or submit to arbitration any differences or disputes that may arise touching or in any manner relating to the said case. To take execution proceedings. The deposit, draw and receive money, cheques, cash and grant receipts thereof and to do all other acts and things which may be necessary to be done for the progress and in the course of the prosecution of the said case. To appoint and instruct any other Legal Practitioner, authorizing him to exercise the power and authority hereby conferred upon the Advocate whenever he may think it to do so and to sign the Power of Attorney on our behalf. And I/We the undersigned do hereby agree to ratify and confirm all acts done by the Advocate or his substitute in the matter as my/our own acts, as if done by me/us to all intents and purposes. And I/We undertake that I / we or my /our duly authorized agent would appear in the Court on all hearings and will inform the Advocates for appearance when the case is called. And I /we undersigned do hereby agree not to hold the advocate or his substitute responsible for the result of the said case. The adjournment costs whenever ordered by the Court shall be of the Advocate which he shall receive and retain himself.

Dated this 21 day of NOV. 2024

Accepted, identified and satisfied about the due execution of the Vakalatnama


(GAURAV AGRAWAL)
Advocate
UP/03872/2009


Applicant/ Respondent

Memo Of Appearance

To
The Registrar
National Green Tribunal
New Delhi

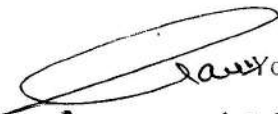
Sir,

Please enter my appearance for the above named Petitioners/Plaintiff(s)/Appellant(s)/Respondent(s)/Defendant(s)/Caveator(s) Intervener(s) in the above mentioned Petition/Appeal/Suit/Reference.

Thanking you,

Dated : 23.11.2024




Yours Sincerely,
(GAURAV AGRAWAL)
Advocate

GRV LEGAL
Advocates and Legal Consultants
O-703, Aditya Mega City,
Vaibhav Khand, Indirapuram,
Ghaziabad, NCR-201014
Uttar Pradesh
(M) 8802911392