

**BEFORE THE HON'BLE NATIONAL GREEN TRIBUNAL  
PRINCIPAL BENCH, DELHI  
ORIGINAL APPLICATION NO. 751/2024**

**In the matter of: -**

Abhith Kusum Gupta & Anr.

Applicant

Vs.

State of Uttarakhand & Ors.

Respondent(s)

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*Srinivas Vishves*

**Filed by Srinivas Vishven  
Advocate for Central Pollution Control Board  
S-84, First Floor, Greater Kailash II  
New Delhi-110048  
Ph: +91 9415149959  
Email: [srinivas@svlawchambers.in](mailto:srinivas@svlawchambers.in)**

**Place: Delhi**

**Dated:03.10.2024**

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

**ORIGINAL APPLICATION NO. 751/2024**

**In the matter of: -**

Abhith Kusum Gupta & Anr.

Applicant

Vs.

State of Uttarakhand & Ors.

Respondent(s)

**REPLY ON BEHALF OF THE RESPONDENT NO. 2 CENTRAL  
POLLUTION CONTROL BOARD. (CPCB)**

**MOST RESPECTFULLY SHOWETH:**

1. That, Hon'ble NGT vide order dated 11.07.2024 and vide advance notice dated 25.07.2024 has sought the reply of CPCB in the instant matter. Thereby, the reply is made in succeeding paragraphs.
2. That at the outset, the answering respondent denies all claims, contentions, allegations and averments against the answering Respondent CPCB in the above OA contrary to anything stated or submitted expressly in this reply. Nothing in the OA may be deemed to have been accepted or admitted by the answering Respondent for want of a specific denial, save any averment which has been expressly admitted hereinafter.
3. That, CPCB is a statutory Board constituted under Section 3 of the Water (Prevention and Control of Pollution) Act, 1974. It performs the functions under The Water (Prevention and Control of Pollution) Act, 1974, The Air (Prevention and Control of Pollution) Act, 1981 and The Environment (Protection) Act, 1986.



4. That, in response to the complaint received from petitioner on 12.05.2024, CPCB communicated to Uttarakhand Pollution Control Board ("UKPCB") with a copy to The Executive Director (Technical), National Mission for Clean Ganga ("NMCG") on 30.05.2024 for verification of complaint and take suitable action in the matter. Copy of CPCB letter is annexed as **Annexure-1**. Further, in compliance to Hon'ble NGT order dated 11.07.2024 in said matter Joint visit of Committee comprising of Representative of Member Secretary CPCB, District Magistrate Rudraprayag, RO, MoEF & CC Dehradun was carried out on 27-28.08.2024 to ascertain the status at the ground level. Report includes observation of committee on all aspects mentioned in Hon'ble NGT order dated 11.07.2024. Copy of joint committee report is annexed as **Annexure-2**.
5. That as per Joint committee report dated 27-28.08.2024, following major observation made by the joint committee:
- a. The area of Kedarnath Valley can be divided in three parts as (A) Area between Mandakini River and Saraswati River i.e. Nagar Panchayat, Kedarnath, (B) Downward area of confluence of Rivers i.e. part of revenue village, Kedarnath and (C) Area between Mandakini River and Hills, remaining part of revenue village.
  - b. As per the information provided by Executive Engineer, PWD Guptkashi the construction of 65 buildings for house owner/Pilgrims buildings has been done & some construction works is going on in the Nagar Panchayat, Kedarnath (0.07 sq km) for stay of pilgrims/local staff/devotees. In the region during the yatra temporary tents (total 850 tents for about 8000-9000 pilgrims) are



installed for shops & pilgrim stay etc. Details are provided at point no 2 in Annexed Report of Joint Committee.

- c. The information provided by the local administration about number of pilgrims visited during the months May-August-2024 at Kedarnath temple is 10,95,924. Due to landslides in the trek route fewer numbers of pilgrims visited during the month of August. The peak visit was on (dt. 21.05.24) totaling 38682.
- d. Joint Committee observed that at present, Sewage Treatment Plant (STP) 600KLD is under construction at Kedarnath. At present sewage from Nagar Panchayat and rest of revenue village is being managed via soak pits. However, at few locations seepage of sewage is noticed, because there are no sewage treatment facilities in Kedarnath at present as mentioned at Point No 2.1 (i) in annexed report of joint committee.
- e. Nagar Panchayat, Kedarnath is maintaining the solid and plastic waste management in Kedarnath and entire track. As per the information provided about solid waste management by local administration total solid waste generation in Nagar Panchayat, Kedarnath is 0.167 Ton per day. Sulabh International is maintaining the solid and plastic waste management in remaining part of Revenue Village Kedarnath. As per the information provided about solid waste management by local administration total solid waste generation in Revenue Village, Kedarnath is 1.5 ton per day. Details of solid waste management are provided at point no 2.2 in annexed report of joint committee.
- f. During visit it was observed that solid waste collected from bins was segregated and collected in a small pit. But pit was not technically



constructed as per MSW Rules 2016, as floor was not cemented and leachate collection facility needs to be constructed.

- g.** During inspection few locations were found not properly cleaned. Dungs, solid waste, plastic waste was lying in those places. Solid waste collection, transportation and disposal system of Solid waste, plastic waste need to be enhanced as per MSW Rule 2016.
- h.** About 300 bins have been placed at various locations for solid waste collections. Many broken bins and plastic broken toilets were lying in Kedarnath area, possibly due to ongoing construction works.
- i.** No waste processing plant has been established at Kedarnath for management of solid and plastic waste generated from Kedarnath. Plastic waste was stored in a separate room and informed that plastic waste is disposed off into recycler center at Sonprayag. The waste management needs to be enhanced and a separate compacter needs to be installed as only one belling machine is used for compressing. It is proposed to install at least 2 compactor machines in consultation with SPCB.
- j.** During visit a lot of Construction and Demolition waste materials like irons rods/pipes and cemented broken bricks were lying in many places due to ongoing construction activities.

**6.** That as per Joint committee report dated 27-28.08.2024, following conclusion/suggestions were made by the joint committee:

It is evident from above field observation and information that solid waste, plastic waste management and sewage management infrastructure facilities need to be upgraded as per rules at Kedarnath holy place.:



Concern departments/agency may be directed to comply with following recommendations:

- I. Agency should ensure that all solid and plastic waste should be collected, segregated, transported and disposed, as per the Solid Waste Management Rules, 2016 and the Plastic Waste Management Rules, 2016, as amended.
- II. Solid waste management facility should be developed, as per requirement and leachate should be treated before discharge as per rules.
- III. Agency should provide adequate space/ infrastructure at shelters. Waste generated from shelters should be cleaned at regular interval and disposed off as per the Solid Waste Management Rule, 2016.
- IV. Agency must ensure that no untreated sewage should go to Rivers. Sewage generated from all areas of Kedarnath be connected to STP.
- V. Agency should carry out assessment study of sewage generation from all areas of Kedarnath valley including pilgrims peak time and capacity of the under construction STP (600KLD) may be enhanced with suitable technology, if required.
- VI. The construction of the suitable STP should be completed within time bound manner with due follow/ comply all prescribed rules and should ensure that treated effluent must comply the discharge effluent norms.
- VII. Construction and Demolition waste should be managed and disposed as per C&D waste management rule 2016.
- VIII. State Govt./agency should carryout carrying capacity of pilgrims in Kedarnath and accordingly infrastructure should be developed. A mechanism should be developed for controlling and rationalizing crowd in pilgrim place especially during peak season (April, May



and June) and restriction should be imposed beyond carrying capacity to avoid any mishappening and for proper management of infrastructure facilities.

**IX.** Regular surveillance is required to be ensured for compliance of recommendations as well as to ensure proper enforcement of Solid Waste Management Rules, 2016 and the Plastic Waste Management Rules, 2016 as amended and treatment of sewage in the holy Kedarnath Temple area.

7. That, the answering respondent herein craves leave of the Hon'ble Tribunal to file additional reply, in future, if required.
8. That, in view of the submissions made in preceding paragraphs, the answering respondent i.e. CPCB shall abide by the orders/directions passed by the Hon'ble Tribunal in the instant matter.

*Ajit Kumar Vidyarthi*

**(A.K. Vidyarthi)**

**Scientist 'F'**

**Central Pollution Control Board**



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

**ORIGINAL APPLICATION NO. 751/2024**

**In the matter of: -**

Abhishth Kusum Gupta & Anr.

Applicant

Vs.

State of Uttarakhand & Ors.

Respondent(s)

**REPLY ON BEHALF OF THE RESPONDENT NO. 2 CENTRAL  
POLLUTION CONTROL BOARD. (CPCB)**

**AFFIDAVIT**

I, A.K. Vidyarthi, working as Scientist 'F' in the Central Pollution Control Board, Parivesh Bhawan, East Arjun Nagar, Delhi, the Respondent No.-2 in the above matter, do hereby solemnly affirm, declare on oath and state as under: -

1. That I deponent herein is authorized representative to represent the Respondent CPCB in the present case, and as such, well conversant with the facts and circumstances of the present case on the basis of the information derived from the official records, and hence, competent and authorized to verify, sign and swear this affidavit on behalf of the Respondent CPCB.

2. That the accompanying reply may be read part and parcel of the present affidavit.

3. That the accompanying reply has been drafted and filed under my instructions and authority the contents thereof are true and correct on the basis of the record maintained during ordinary course of business of CPCB



and available records and documents and the contents of the same are read over and explained to me and are not repeated herein for the sake of brevity.

*Ajit Kumar Vidyarthi*

**DEPONENT**

**ए. के. विद्यार्थी / A. K. Vidyarthi**  
**वैज्ञानिक 'एफ' / Scientist 'F'**  
**केंद्रीय प्रदूषण नियंत्रण बोर्ड**  
**Central Pollution Control Board**  
 पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय, भारत सरकार  
 M/o Env. Forest & Climate Change, Govt. of India  
 परिवेश भवन, पूर्वी अर्जुन नगर, दिल्ली-110032  
 Parivesh Bhawan, East Arjun Nagar, Delhi-110032

**VERIFICATION**

Verified at Delhi on this day of 03 OCT 2024 that the contents of the above reply are correct and true on the basis of the records of the case as mentioned in the day-to-day affairs of the CPCB. Noting has been concealed therefrom or mis-stated.



**ATTESTED**  
*[Signature]*  
**NOTARY PUBLIC**  
**GOVT. OF INDIA**

03 OCT 2024

*Ajit Kumar Vidyarthi*

**DEPONENT**

**ए. के. विद्यार्थी / A. K. Vidyarthi**  
**वैज्ञानिक 'एफ' / Scientist 'F'**  
**केंद्रीय प्रदूषण नियंत्रण बोर्ड**  
**Central Pollution Control Board**  
 पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय, भारत सरकार  
 M/o Env. Forest & Climate Change, Govt. of India  
 परिवेश भवन, पूर्वी अर्जुन नगर, दिल्ली-110032  
 Parivesh Bhawan, East Arjun Nagar, Delhi-110032



केन्द्रीय प्रदूषण नियंत्रण बोर्ड  
CENTRAL POLLUTION CONTROL BOARD  
पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय, भारत सरकार  
MINISTRY OF ENVIRONMENT, FOREST & CLIMATE CHANGE, GOVT. OF INDIA

**SPEED POST/E-mail**

File No: PJ-14099/21/2023-WQM-II-HO-CPCB-HO-Part(3)

Dated: 30.05.2024

To,

Member Secretary,  
Uttarakhand Pollution Control Board,  
Gaura Devi Bhawan,  
46 B IT Park Sahastradhara,  
Dehradun-248001, Uttarakhand

**Sub: Complaint by Sh. Amit Gupta on "Pollution of river Mandakini at Shri Kedarnath dham due to untreated sewerage and human waste"-reg.**

Sir,

Please find enclosed, the complaint of Sh. Amit Gupta (Email ID: amit.gupta9826@gmail.com) dated 12.05.2024, which was received in this division on 21.05.2024 via mail regarding above mentioned subject which is self-explanatory (copy enclosed).

In this regard, you are requested to kindly verify the complaint and take suitable action if necessary. Actions taken status may be forwarded to applicant directly with a copy to this office within 30 days.

Yours Faithfully

Encls: as above

Dr. A.K. Vidyarthi  
Director and DH, WQM-II

Copy to:

- |   |   |                                  |
|---|---|----------------------------------|
| 1. <b>The Executive Director (Technical),</b><br>National Mission for Clean Ganga,<br>MOWR, RD & GR, 1 <sup>st</sup> floor,<br>Major Dhyan Chand National<br>Stadium,<br>India Gate, New Delhi-110002 | : | For necessary information please |
| 2. <b>Sh. Amit Gupta (Applicant)</b><br>Email ID:<br>amit.gupta9826@gmail.com   | : | For information please           |
| 3. <b>DH- PR Division, CPCB</b>   | : | For information please           |

*A.K. Vidyarthi*  
30/05/24  
(Dr. A.K. Vidyarthi)

**'परिवेश भवन' पूर्वी अर्जुन नगर, दिल्ली-110032**

Parivesh Bhawan, East Arjun Nagar, New Delhi - 110032

दूरभाष/Tel: 43102030, 22305792, वेबसाईट/Website : www.cpbc.nic.in

**Report of Joint Committee**  
**in Compliance to the Hon'ble NGT order dated 11.07.2024**  
**in Original Application No. 751 of 2024**  
**in the name of Abhishek Kumar Gupta Vs. State of Uttarakhand & Ors.**

Hon'ble National Green Tribunal, principal bench vide its order dated 11.07.2024 constituted Joint Committee of comprising of Representative of Member Secretary CPCB, District Magistrate Rudraprayag, RO MoEF & CC Dehradun. The District Magistrate will act as nodal agency. The related para of said order is reproduced here as under:

*"..2. The grievance of the applicant is that there is no STP at Shri Kedarnath Dham and the sewage is being discharged in river Mandakani. Further grievance of the applicant is that there is no solid waste management at Kedarnath Dham which is also leading to the pollution in the river. The specific grievance reflected in the O.A. is as under: -*

- 1. Shri Kedarnath Dham currently has no provision for treating sewage before its discharge into the Mandakini river.*
- 2. The untreated sewage and human waste from toilets is being dumped directly into the Mandakini river, polluting its waters.*
- 3. The Mandakini River is a tributary of the Ganga River, so this pollution eventually reaches the Ganga as well.*
- 4. Kedarnath is an eco-sensitive area, and such pollution is detrimental to the environment and aquatic life.*
- 5. The lack of an STP poses severe health risks to the local population and the large number of devotees visiting the shrine."*

*7. The Joint Committee will visit the site ascertain the correct position in respect of the compliance of the norms relating to liquid and solid waste management and discharge of sewage and other pollutant in river Mandakini at Kedarnath and also take water sample of river Mandakini and get the analysis done and submit the report before the Tribunal within 10 weeks.*

*8. List on 04.10.2024.*

*Abhishek 2/2  
23/7/24*

*Vishwanath*

*EE, PUD*

*EO, M.P.K*

*V/m*

### 1. Background:

In pursuance of the Hon'ble NGT order dated 11.07.2024, a Joint Committee was constituted comprising representatives of District Magistrate Rudraprayag, Ministry of Environment Forest and Climate Change (MoEF&CC), Regional Office (RO), Dehradun and representative of the Central Pollution Control Board, Regional Directorate (CPCB-RD), Lucknow. The Joint Committee had a virtual meeting on 16.08.2024 and decided to visit the site on dated 27-28.08.2024.

The joint committee inspected the site and discussed in meeting with representative of local administration on dated 27-28.08.2024 at Kedarnath (Pic-01-16). During inspection of the site Representative of RO-MOEF&CC, Dehradun office- Sh. Vipin Gupta, Scientist 'C', Representative of RD-CPCB, Lucknow Shri Kamal Kumar, Scientist 'E', Representative of District Magistrate, Rudraprayag Sh. Yogendra Singh, ACEO Kedarnath Development Authority, Sh. Vinay Jhinkwan, Executive Engineer, PWD Guptkashi, Sh. Chandrashekar Chaudhary,, Executive Officer, Nagar Panchayat, Kedarnath was present. During the Joint Committee field visit, Dr. R. K. Chaturvedi, RO, UKPCB Dehradun and representative of local administration were also available.

### 2. Observation of Joint Committee during the site inspection at Kedarnath:

During field visit of Joint Committee, due to landslides on trek only helicopter service was available, so the number of pilgrims were very less. The Joint Committee's field observations and collected information are presented below:

- a) The area of Kedarnath Valley can be divided in three parts as (A) Area between Mandakini River and Saraswati River i.e. Nagar Panchayat, Kedarnath, (B) Downward area of confluence of Rivers i.e. part of revenue village, Kedarnath and (C) Area between Mandakini River and Hills, remaining part of revenue village. (map annexed)
- b) As per the information provided by Executive Engineer, PWD Guptkashi the construction of 65 buildings for house owner/Pilgrims buildings has been done & some construction works is going on in the Nagar Panchayat, Kedarnath (0.07 sq km) for stay of pilgrims/local staff/devotees. In the region during the yatra temporary tents (total 850 tents for about 8000-9000 pilgrims) are installed for shops & pilgrim stay etc.
- c) The information provided by the local administration about Nagar Panchayat, Kedarnath (Annexure-01) area is presented at Table-01.

Dr. R. K. Chaturvedi  
23/08/24

Shri Kamal Kumar

Sh. Vinay Jhinkwan  
EE PWD

Sh. Chandrashekar Chaudhary  
E.O. N.P.K.

Sh. Yogendra Singh

1.	Name of Municipal Body	Nagar Panchayat, Kedarnath
2.	Total Population	612 (According to 2011 census)
3.	Total Area	0.07 square kilometer
4.	Total Building	At present, the estimated number of devotees/local people staying daily in 65 buildings constructed by Kedarnath Development Authority and located under Nagar Panchayat area are 3500 pilgrims approx.
5.	Total Tent	50
6.	Tent Dweller	250 approx.
7.	No. of Toilets	20

- d) The information provided by the local administration about management of solid waste and sewage is maintained by Sulabh International in the area of remaining part of revenue village, Kedarnath (**Annexure-02**) area is presented at table-02.

1.	Name of Municipal Body	Zila Panchayat, Kedarnath
2.	Person staying in tent	8000 - 9000
3.	Total Area	3.5 square kilometer
4.	Total Tents	~850
5.	No. of Toilets	135

- e) The information provided by the local administration about number of pilgrims visited during the months May-August-2024 at Kedarnath temple is 10,95,924. Due to landslides in the trek route fewer numbers of pilgrims visited during the month of August. The peak visit was on (dt. 21.05.24) totaling 38682. (**Annexure-03**).

### 2.1. Sewage Managements:

- i. Joint Committee observed that at present, Sewage Treatment Plant (STP) 600KLD is under construction at Kedarnath. At present sewage from Nagar Panchayat and rest of revenue village is being managed via soak pits. However, at few locations seepage of sewage is noticed, because there are no sewage treatment facilities in Kedarnath at present.

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23/5/24

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JEE PUD

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E.O.M.P.R.

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- ii. As informed by local administration at present, Nagar Panchayat is maintaining about 20 toilets and Sulabh International is maintaining about 135 toilets.
- iii. During visit Joint Committee observed that soak pit toilet systems were installed in some places in which some were filled with sewage and some toilets were found non-functional also. At few locations soak pits were overfilled, which needs regular cleaning.
- iv. During meeting at Kedarnath, it was informed that a STP of 600KLD is under construction in Kedarnath for the sewage treatment of Nagar Panchayat area, and the remaining (temporary tent localities) will be connected to this STP in future, so that the sewage generated which is currently being maintained via soak pits (not so efficient) will be discharged into the STP.
- v. As per the information provided by local administration that highest number of pilgrims visit during the one day was 38682 (on dt. 21.05.24) and the sewage generated from tent area will require enhancement of the capacity of STP, so the present proposed STP (600KLD) of capacity will not be sufficient for treatment of all sewage generated from total areas of Kedarnath valley and pilgrims.
- vi. It is also informed that during May to July of every year, crowd escalates higher number as compared to other months. Possibility of inadequate infrastructure facilities and capacity with respect of sewage waste management cannot be ruled out during peak time.
- vii. It was also deliberated that sewage pipe was crossing the river Mandakini at a certain point before merging to STP. The particular area of sewage pipe is proposed to be hanging in the air making it unstable or not suitable from the safety point of view. Alternatives shall be explored to connect the sewage pipe to STP in the master plan of Kedarnath development.
- viii. During visit total six numbers of river and waste water samples were collected by Joint Committee from the Mandakini River, Saraswati River (upstream and downstream). The samples were analyzed at laboratory of RO, UKPCB Dehradun for various parameters. The analysis results are presented below table-03:

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23/5/24

Vijay Kumar

EEPWD  
E.D. RUBY

u/m

Sr. No	Parameter	Unit	Table-03: Locations at Kedarnath			
			River Mandakini at Glacier point, Kedarnath	River saraswati B/C to River Mandakini at Kedarnath	River Mandakini B/C to River Saraswati Kedarnath	River Mandakini D/S Near "Ghodapadav" Kedarnath.
1.	Colour	-	Clear	Turbid	Turbid	Turbid
2.	Odour	-	Odourless	Odourless	Odourless	Odourless
3.	Temperature	°C	4	8	6	5
4.	pH	-	7.45	7.81	7.60	7.75
5.	Total Dissolved Solids (TDS)	mg/L	7	17	28	22
6.	Electrical Conductivity (EC)	s/cm	11	28	42	34
7.	Dissolved Oxygen (DO)	mg/L	11	10.6	10.8	10.6
8.	Biochemical Oxygen Demand (BOD)	mg/L	<1	<1	<1	<1
9.	Chemical Oxygen Demand (COD)	mg/L	<5	<5	<5	<5
10.	Nitrate	mg/L	<0.3	<0.3	<0.3	<0.3
11.	Phosphate	mg/L	<0.05	<0.05	<0.05	<0.05
12.	Fluoride	mg/L	<0.2	<0.2	<0.2	<0.2
13.	Total Coliform	MPN/100 ml	<1.8	<1.8	<1.8	24
14.	Faecal Coliform	MPN/100 ml	<1.8	<1.8	<1.8	17

0.00003  
0.00003

Vijay Kumar

EE PWD

E.D. D.K. K.

4/10

- ix. It is evident from the above result that River Mandakini at Glacier point, Kedarnath, River Saraswati B/C to River Mandakini at Kedarnath, River Mandakini B/C to River Saraswati Kedarnath and River Mandakini D/S Near "Ghodapadav" Kedarnath lies under the class 'A' of Designated Best Use Water Quality Criteria. Classification of Designated Best Use Water Quality Criteria is attached as **Annexure 4**.
- x. During visit total 02 numbers of wastewater samples were collected by Joint Committee from the Public toilet (Soak Pit outlet), haat Bazar, Kedarnath and Drain A/C of public toilet Raw Effluent, Which is presently being managed through soak pit near Helipad, Kedarnath. The samples were analyzed at laboratory of RO, UKPCB Dehradun for various parameters. The analysis results are presented below table-04:

Sr. No	Parameter	Unit	Table - 04: Locations		Std.
			Public toilet (Soak Pit outlet), haat Bazar, Kedarnath	Drain A/C of public toilet Raw effluent, near Helipad, Kedarnath	
1.	Colour	--	Turbid	Turbid	--
2.	Odour	--	Bot specified		--
3.	pH	--	8.16	7.35	6.5-9.0
4.	Total Suspended Solids (TSS)	mg/L	60	150	<50
5.	Biochemical Oxygen Demand (BOD)	mg/L	46	20	<20
6.	Chemical Oxygen Demand (COD)	mg/L	170	80	--
7.	Faecal Coliform	MPN/100	920	350	<1000

- xi. It is evident from the above result that Public toilet (Soak Pit outlet), haat Bazar, Kedarnath and Drain A/C of public toilet Raw effluent, near Helipad, Kedarnath are meeting the wastewater discharge standard of notified by MoEF&CC dated 13.10.2017 except Total Suspended Solids (TSS) and Biochemical Oxygen Demand (BOD) at Public toilet (Soak Pit outlet), haat Bazar, Kedarnath.

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EE PWD  
E.O. N.P.L.

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## 2.2. Solid Waste and Plastic Waste Management:

- i. Nagar Panchayat, Kedarnath is maintaining the solid and plastic waste management in Kedarnath and entire track. As per the information provided about solid waste management by local administration is presented below Table-05 (**Annexure-2**):

1.	Total Solid Waste Generation per day	0.167 Ton per day
2.	Organic Waste	0.110 Ton per day
3.	Inorganic Waste	0.057 Ton per day
4.	Number of Compactors	0
5.	Number of Welding Machine	01
6.	Legacy Waste	0
7.	Total number of Paryavaran Mitra	50
8.	Permanent Paryavaran Mitra	01
9.	Environment Supervisor	01
10.	Total Temporary Toilets under Nagar Panchayat area	20

- ii. Sulabh International is maintaining the solid and plastic waste management in remaining part of Revenue Village Kedarnath. As per the information provided about solid waste management by local administration is presented below Table-06 (**Annexure-2**):

1	Total Solid Waste Generation per day	1.5 Ton per day
2	Organic Waste	1.35 Ton per day
3	Inorganic Waste	0.25 Ton per day
4	Number of Compactors	01
5	Number of dust bins	300
6	Total toilets	135
7	Paryavaran Mitra for temporary toilets	42
8	Paryavaran Mitra for Paday	80

Ambar 32  
23/11/20

SEPUD

E.O. N.R.

4/10

Vinay Kumar

9	Paryavaran Mitra for solid waste collection	12
10	Supervisor	06
11	Environment Supervisor	01
12	Total Temporary Toilets under Nagar Panchayat area	20

- iii. It is reported that 185 Paryavaran Mitra (sweepers) have been deployed for management of solid waste collection, segregation, transportation to pit and cleaning the entire area.
- iv. During visit it was observed that solid waste collected from bins was segregated and collected in a small pit. But pit was not technically constructed as per MSW Rules 2016, as floor was not cemented and leachate collection facility needs to be constructed.
- v. During inspection few locations were found not properly cleaned. Dungs, solid waste, plastic waste was lying in those places. Solid waste collection, transportation and disposal system of Solid waste, plastic waste need to be enhanced as per MSW Rule 2016.
- vi. About 300 bins have been placed at various locations for solid waste collections. Many broken bins and plastic broken toilets were lying in Kedarnath area, possibly due to ongoing construction works.
- vii. No waste processing plant has been established at Kedarnath for management of solid and plastic waste generated from Kedarnath. Plastic waste was stored in a separate room and informed that plastic waste is disposed off into recycler center at Sonprayag. The waste management needs to be enhanced and a separate compactor needs to be installed as only one belling machine is used for compressing. It is proposed to install at least 2 compactor machines in consultation with SPCB.
- viii. During visit a lot of Construction and Demolition waste materials like irons rods/pipes and cemented broken bricks were lying in many places due to ongoing construction activities.
- ix. During peak time (May-July) it seems that the numbers of pilgrims seem higher against installed/available infrastructure for management of pilgrims traffic, solid waste, plastic waste as well as mules/equines dung.

Order 32  
25/5/2024

with Mr. R. K. Sharma

EE PWD

6-0-1/2024

4/2

- x. As informed that Govt. of Uttarakhand has initially in the year 2023 restricted number of pilgrims to 13,000 per day, but was later withdrawn, as per information provided by local administration, the number of pilgrims reach up to 25000 to 38000 during months of May and June.

### 2.3. Conclusion and Suggestions:

It is evident from above field observation and information that solid waste, plastic waste management and sewage management infrastructure facilities need to be upgraded as per rules at Kedarnath holy place

Concern departments/agency may be directed to comply with following recommendations:

1. Agency should ensure that all solid and plastic waste should be collected, segregated, transported and disposed, as per the Solid Waste Management Rules, 2016 and the Plastic Waste Management Rules, 2016, as amended.
2. Solid waste management facility should be developed, as per requirement and leachate should be treated before discharge as per rules.
3. Agency should provide adequate space/ infrastructure at shelters. Waste generated from shelters should be cleaned at regular interval and disposed off as per the Solid Waste Management Rule, 2016.
4. Agency must ensure that no untreated sewage should go to Rivers. Sewage generated from all areas of Kedarnath be connected to STP.
5. Agency should carry out assessment study of sewage generation from all areas of Kedarnath valley including pilgrims peak time and capacity of the under construction STP (600KLD) may be enhanced with suitable technology, if required.
6. The construction of the suitable STP should be completed within time bound manner with due follow/ comply all prescribed rules and should ensure that treated effluent must comply the discharge effluent norms.
7. Construction and Demolition waste should be managed and disposed as per C&D waste management rule 2016.
8. State Govt./agency should carryout carrying capacity of pilgrims in Kedarnath and accordingly infrastructure should be developed. A mechanism should be developed for controlling and rationalizing crowd in pilgrim place especially during peak season (April, May and June) and restriction should be imposed beyond carrying capacity to avoid any mis happening and proper management of infrastructure facilities.

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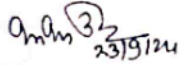
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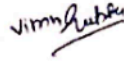
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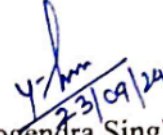
9. Regular surveillance is required to ensure compliance of recommendations as well as to ensure proper enforcement of Solid Waste Management Rules, 2016 and the Plastic waste management Rules, 2016 as amended and treatment of sewage in the holy Kedarnath Temple area.

  
23/09/24

(Kamal Kumar)  
Scientist "E"  
Central Pollution Control  
Board, Lucknow



(Dr. Vipin Gupta)  
Scientist "C"  
Ministry of Environment,  
Forest and Climate  
Change, RO- Dehradun

  
23/09/24

(Yogendra Singh)  
ACEO Kedarnath  
Development Authority,  
Rudraprayag, Dehradun

  
23/09/24

(Vinay Jhinkwan)  
Executive Engineer,  
PWD, Guptkashi,  
Rudraprayag



(Chandrashekar Chaudhary)  
Executive officer,  
Nagar Panchayat Kedarnath,  
Rudraprayag

Pictures during field visit	
 <p>Latitude: 30.735031 Longitude: 79.066889 Elevation: 3550.96±3.41 m Accuracy: 4.71 m Time: 27-08-2024 15:23:27 Note: Baba Kedarnath, UK</p>	 <p>Latitude: 30.784161 Longitude: 79.069202 Elevation: 3579.49±3.53 m Accuracy: 4.62 m Time: 28-08-2024 06:50:58 Note: Kedarnath, UK</p>
<p>Pic.-1: Kedarnath Temple, Uttarakhand</p>	<p>Pic.-2: Tents and construction in Kedarnath</p>
 <p>Latitude: 30.733974 Longitude: 79.068300</p>	 <p>Latitude: 30.732456 Longitude: 79.066737 Elevation: 3538.19±3.38 m Accuracy: 4.73 m Time: 27-08-2024 16:26:03 Note: Sangam Kedarnath, UK</p>
<p>Pic.-3: Non Functional Toilets</p>	<p>Pic.-4: Confluence point of River Mandakini &amp; Saraswati at Kedarnath Temple, Uttarakhand</p>

Order 31  
23/8/24

EE PWD

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Pic.-5: Construction of sewage lines



Pic.-6: Construction of sewage lines



Pic.-7: C&D waste in Kedarnath



Drainage of Bhairav stream

*DEE PWD*

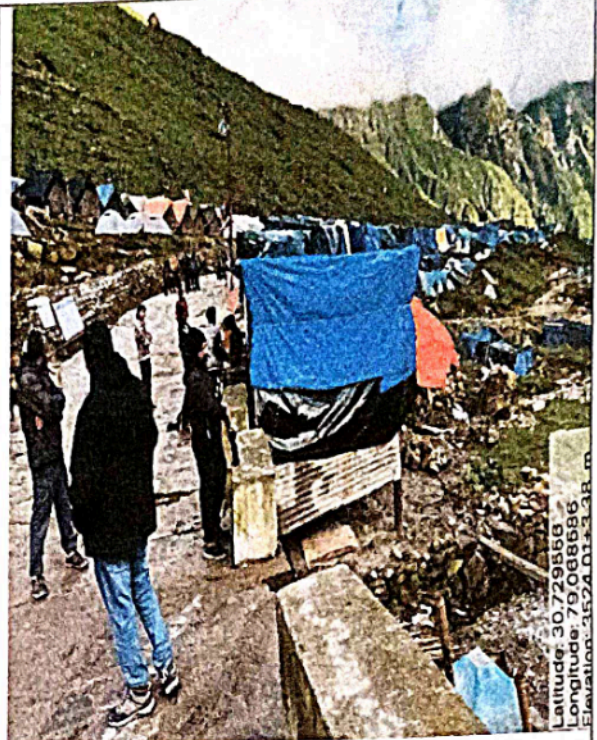
*E-D*

*u/m*

*Order 32/23191m*



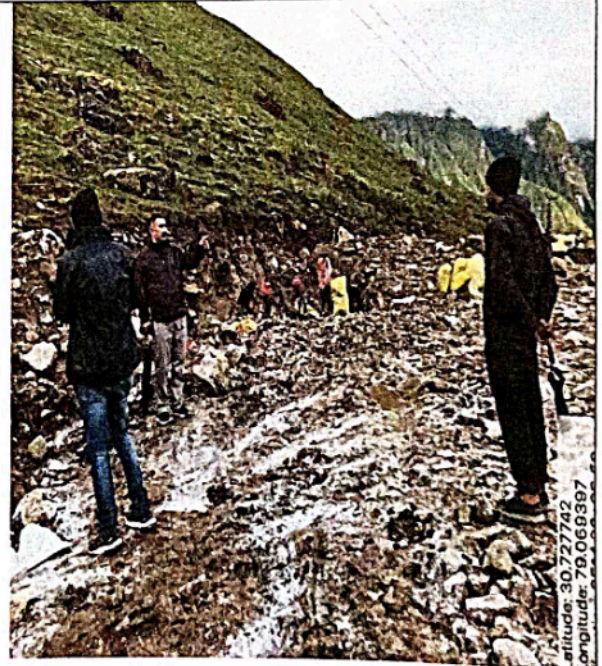
Pic.-9: Seepage of sewage observed near overfilled soak pits.



Pic.-10: Unauthorized tents



Pic.-11: Downstream of drains



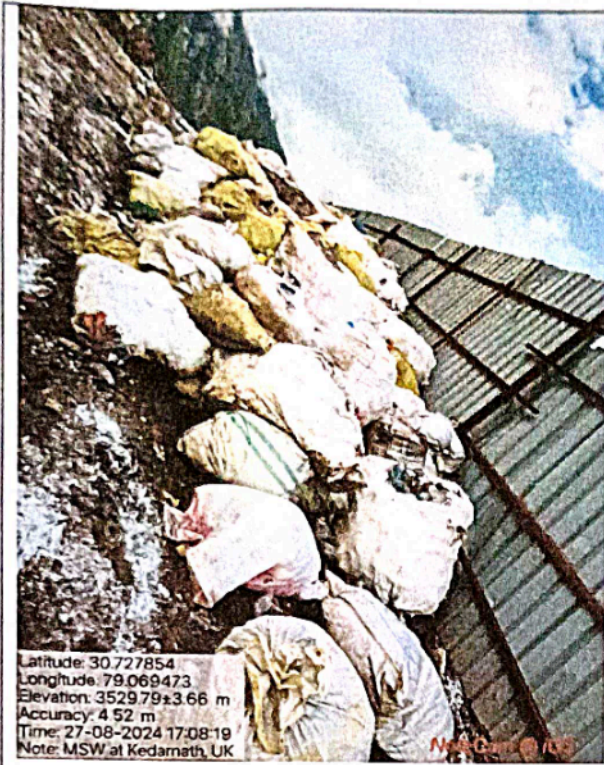
Pic.-12: MSW storage pit

*Handwritten signature: JEE PWD*

*Handwritten signature: EO.MAK*

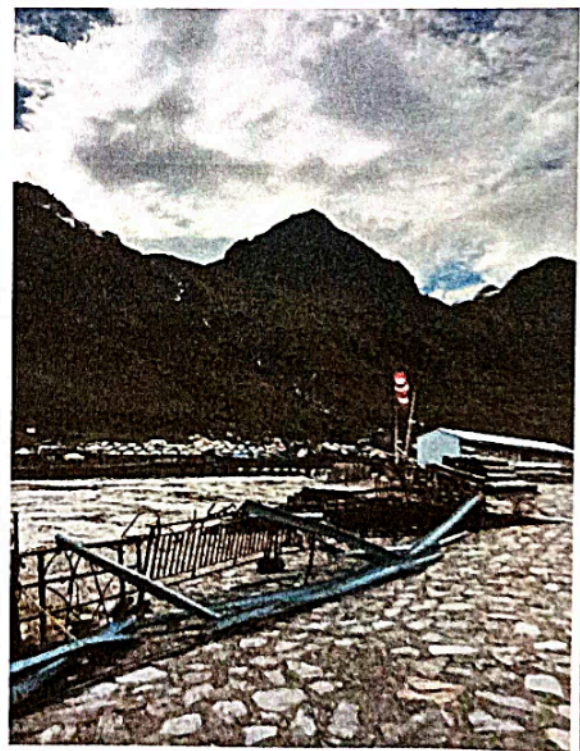
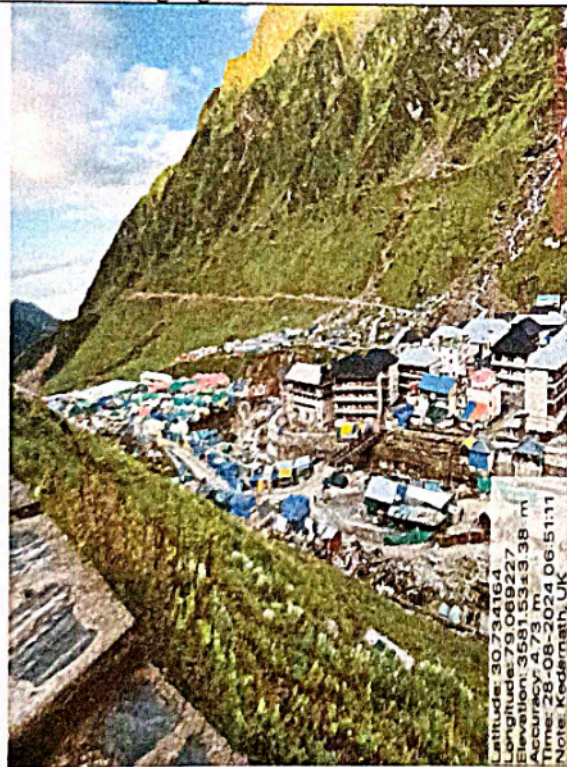
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Pic.-13: Segregated stored Plastic waste

Pic.-14: Segregated stored Plastic waste



Pic.-15: Construction of Buildings

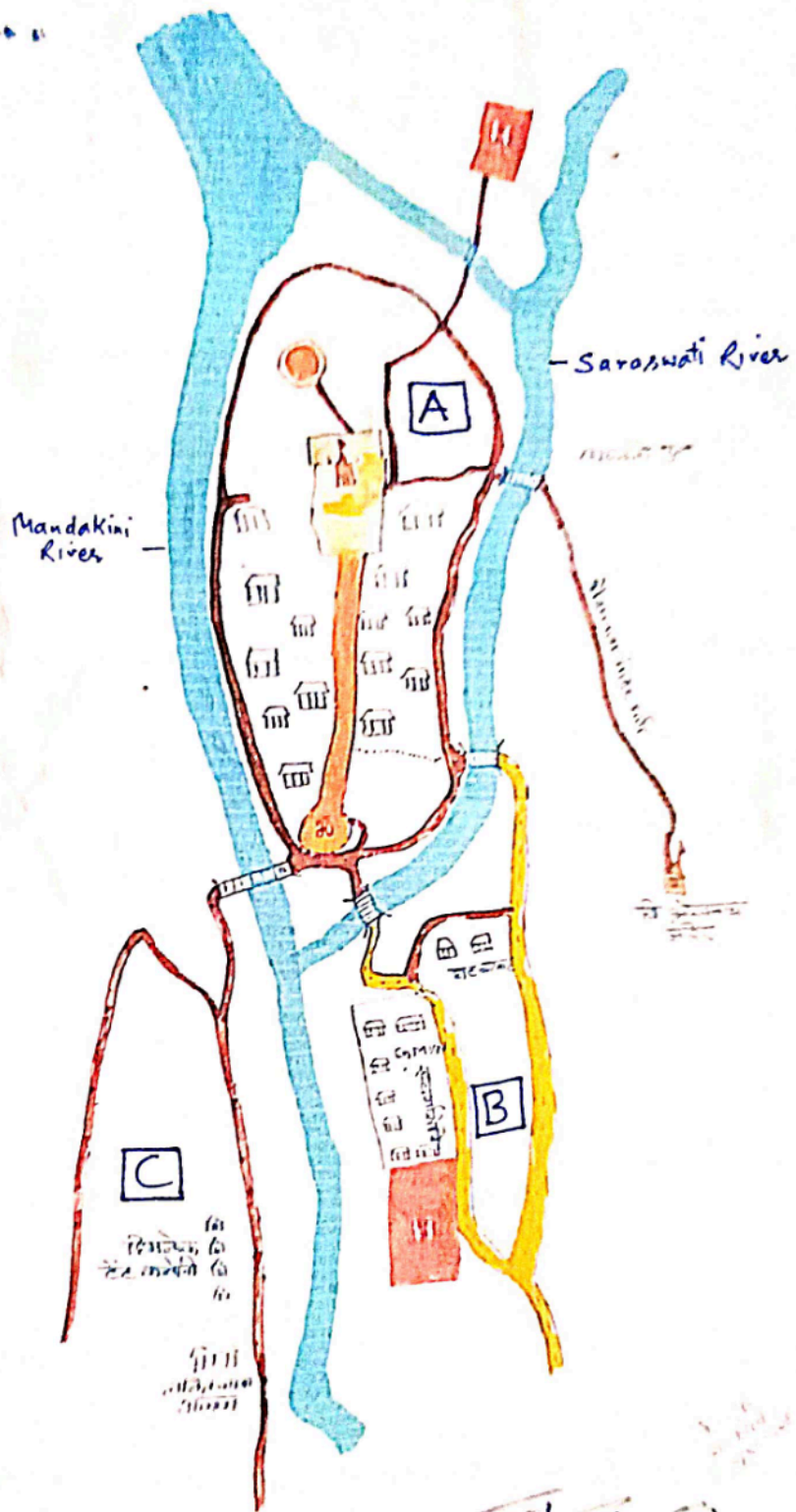
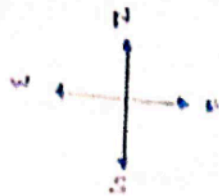
Pic.-16: Tents Located near Mandakini River

*Handwritten signature/initials*

*Handwritten signature: EE PWD*

*Handwritten signature: E.O. N.P.M.*

*Handwritten signature*



KEDARNATH VALLEY

- [A] - Nagar Panchayat Kedarnath
- [B] - Part of Revenue village Kedarnath
- [C] - Part of Revenue village Kedarnath  
Towards Garuchelli Hills.

Handwritten notes in Hindi/Devanagari script, possibly indicating a scale or specific details related to the map's layout.

## कार्यालय नगर पंचायत, केदारनाथ।

पत्रांक:- 275/न0प0के0-ठो0अप0प्र0 / (2024-25)

दिनांक अगस्त 29, 2024

सेवा में,

क्षेत्रीय अधिकारी,  
उत्तराखण्ड प्रदूषण नियंत्रण बोर्ड,  
देहरादून।

**विषय:-** मा0 राष्ट्रीय हरित अधिकरण, नई दिल्ली में योजित मूल आवेदन संख्या-751 /2024 अभिष्ट कुसुम गुप्ता व अन्य बनाम उत्तराखण्ड राज्य व अन्य के सम्बन्ध में।

महोदय,

उपरोक्त विषयक, कार्यालय जिलाधिकारी महोदय रुद्रप्रयाग के पत्र संख्या-5213/33-34(2023-24) दिनांक 14 अगस्त 2024 का सन्दर्भ ग्रहण करने का कष्ट करें जिसके द्वारा मा0 राष्ट्रीय हरित अधिकरण, नई दिल्ली में योजित मूल आवेदन संख्या-751/2024 अभिष्ट कुसुम गुप्ता व अन्य बनाम उत्तराखण्ड राज्य व अन्य के सम्बन्ध में दिनांक 11 जुलाई 2024 को पारित आदेश के बिन्दु संख्या-6 में गठित समिति द्वारा श्री केदारनाथ धाम का स्थलीय निरीक्षण किया गया है। जिसमें नगर पंचायत केदारनाथ क्षेत्रान्तर्गत बिन्दुवार सूचना (मय फोटोग्राफ्स संलग्न) निम्नवत आवश्यक कार्यवाही हेतु सादर प्रेषित की जा रही है।

<b>नगर निकाय का नाम-</b>	नगर पंचायत केदारनाथ।
<b>कुल जनसंख्या-</b>	612 (2011 की जनगणना के अनुसार)
<b>कुल क्षेत्रफल-</b>	0.07 वर्ग किलोमीटर
<b>कुल भवन-</b>	वर्तमान में केदारनाथ विकास प्राधिकरण द्वारा निर्मित भवन 65
<b>नगर पंचायत क्षेत्रान्तर्गत स्थित भवनों में प्रतिदिन ठहरने वाले श्रद्धालुओं/स्थानीय व्यक्तियों की अनुमानित संख्या-</b>	3500 (लगभग)
<b>कुल टेन्ट-</b>	50
<b>टेन्ट में ठहरने वाले व्यक्ति-</b>	250 (लगभग)
<b>प्रतिदिन कुल ठोस अपशिष्ट-</b>	0.167 टन प्रति दिन
<b>जैविक अपशिष्ट-</b>	0.110 टन प्रति दिन
<b>अजैविक अपशिष्ट-</b>	0.057 टन प्रति दिन
<b>ठोस अपशिष्ट का निस्तारण-</b>	नगर पंचायत क्षेत्रान्तर्गत सफाई व्यवस्था हेतु 50 अस्थायी पर्यावरण मित्रों की तैनाती की गयी है। जिनके द्वारा प्रत्येक दिवस दो पालियों (सुबह शाम) में साफ-सफाई व्यवस्था की जा रही है। जिनके स्थलीय निरीक्षण हेतु एक स्थायी सफाई नायक एवं एक स्थायी पर्यावरण पर्यवेक्षक तैनात किया गया है। नगर पंचायत क्षेत्रान्तर्गत उत्सर्जित कूड़े को एक ट्रैक्टर वाहन के माध्यम से, कूड़ा निस्तारण केन्द्र पहुँचाया जाता है। कूड़ा निस्तारण केन्द्र पर 15 पर्यावरण मित्रों द्वारा अजैविक कूड़े को छंटाई कर कदतों में भरा जाता

है। जिसके भण्डारण के लिये एक अस्थायी एम0आर0एफ सेन्टर का निर्माण किया गया है। एकत्रित किये गये अजैविक कूड़े को घोड़े/खच्चरों के माध्यम से रिसार्डकिल केन्द्र सोनप्रयाग में भेजा जाता है। वर्ष 2023-24 में प्लास्टिक कूड़े से इस निकाय को 2.12 लाख रुपये की आय प्राप्त हुई है। 10 मई 2024 से 27 अगस्त 2024 तक 0.79 टन प्लास्टिक कूड़ा सोनप्रयाग भेजा जा चुका है, जिसको कम्पेक्ट कर विक्रय किये जाने की कार्यवाही गतिमान है। साथ ही अवगत कराना है कि वर्ष 2022 में Recykal Company के माध्यम से नगर पंचायत केदारनाथ क्षेत्रान्तर्गत डिजिटल डिपोजिट रिफण्ड सिस्टम(DRS) की शुरुआत की गयी है, जिसमें वर्ष 2022-23 में 65905 प्लास्टिक बोतल एकत्रित की गयी है। वर्ष 2023-24 में 704900 प्लास्टिक की बोतल एकत्रित की गयी है। सादर अवगत कराना है कि वर्ष 2025-28 चारधाम यात्रा से पूर्व नगर पंचायत केदारनाथ के अस्थायी कूड़ा निस्तारण केन्द्र पर, कॉम्पेक्टर मशीन स्थापित किया जाना प्रस्तावित है। वर्तमान में कूड़ा निस्तारण केन्द्र पर बेलिंग मशीन द्वारा प्लास्टिक को कम्पेक्ट किया जा रहा है

कॉम्पेक्टर की संख्या	—	0
बेलिंग मशीन की संख्या	—	01
पुराना कूड़ा (लीगेसी वेस्ट)	—	0
कुल पर्यावरण मित्रों की संख्या—		50
स्थायी पर्यावरण मित्र—		01
पर्यावरण पर्यवेक्षक—		01
नगर पंचायत क्षेत्रान्तर्गत कुल अस्थायी शौचालय—		20

**कुल स्मार्ट शौचालय** — नगर पंचायत केदारनाथ क्षेत्रान्तर्गत केदारनाथ विकास प्राधिकरण द्वारा 02 स्मार्ट शौचालय (6 महिला 06 पुरुष) निर्मित गये हैं तथा 20 सीटर एवं 22 सीटर सार्वजनिक शौचालयों का निर्माण कार्य गतिमान है।

संलग्न—यथोपरि

भवदीय,



अधिशासी अधिकारी,  
नगर पंचायत केदारनाथ।

सेवा में,

क्षेत्रीय अधिकारी,  
उत्तराखण्ड प्रदूषण नियंत्रण बोर्ड,  
देहरादून।

द्वारा:- अधिशासी अधिकारी, नगर पंचायत, केदारनाथ।

विषय:- मा0 राष्ट्रीय हरित अधिकरण, नई दिल्ली में योजित मूल आवेदन संख्या-751/2024 अभिष्ट कुसुम गुप्ता व अन्य बनाम उत्तराखण्ड राज्य व अन्य के सम्बन्ध में।

महोदय,

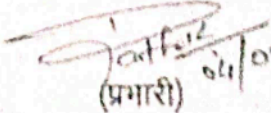
उपरोक्त विषयक, कार्यालय जिलाधिकारी महोदय, रुद्रप्रयाग के पत्र संख्या-5213/33-34(2023-24) दिनांक 14 अगस्त, 2024 का सन्दर्भ ग्रहण करने का कष्ट करें, जिसके द्वारा मा0 राष्ट्रीय हरित अधिकरण, नई दिल्ली में योजित मूल आवेदन संख्या-751/2024 अभिष्ट कुसुम गुप्ता व अन्य बनाम उत्तराखण्ड राज्य व अन्य के सम्बन्ध में दिनांक 11 जुलाई, 2024 को पारित आदेश के बिन्दु संख्या-6 में गठित समिति द्वारा श्री केदारनाथ धाम का स्थलीय निरीक्षण किया गया है, जिसमें सुलभ इंटरनेशनल क्षेत्रान्तर्गत बिन्दुवार सूचना (मय फोटोग्राफस संलग्न) निम्नवत आवश्यक कार्यवाही हेतु सादर प्रेषित की जा रही है :-

1	कुल क्षेत्रफल	3.5 वर्ग किलोमीटर
2	कुल टैन्ट	850
3	टैन्ट में ठहरने वाले व्यक्ति	8000 से 9000
4	प्रतिदिन कुल ठोस अपशिष्ट	1.50 टन प्रति दिन
5	जैविक अपशिष्ट	1.35 टन प्रति दिन
6	अजैविक अपशिष्ट	00.25 टन प्रति दिन
7	डस्टबिन की संख्या	300

ठोस अपशिष्ट का निस्तारण- रुद्रा प्वाइंट से सरस्वती पुल तक सफाई व्यवस्था हेतु 80 अस्थायी पर्यावरण मित्रों की तैनाती की गयी है। जिनके द्वारा प्रत्येक दिवस दो पालियों (सुबह शाम) में साफ-सफाई व्यवस्था की जा रही है। जिनके स्थलीय निरीक्षण हेतु 06 सुपरवाइजर तैनात किया गया है। सुलभ इंटरनेशनल क्षेत्रान्तर्गत उत्सर्जित कूड़े को हैंड ट्रॉली के माध्यम से, कूड़ा निस्तारण केन्द्र पहुंचाया जाता है। कूड़ा निस्तारण केन्द्र पर 12 पर्यावरण मित्रों द्वारा अजैविक कूड़े की छंटाई कर कट्टों में भरा जाता है। एकत्रित किये गये अजैविक कूड़े को घोड़े/खच्चरों/मजदूरों के माध्यम से रिसाईकल केन्द्र, सोनप्रयाग में भेजा जाता है। वर्ष 2023-24 में 12 टन रिसाईकल कूड़ा रिसाईकल कम्पनी को दिया गया। 10 मई, 2024 से 27 अगस्त, 2024 तक लगभग 6.02 टन प्लास्टिक कूड़ा, सोनप्रयाग एकत्रित किया जा चुका है, जिसको काम्पेक्ट कर विक्रय किये जाने की कार्यवाही गतिमान है।

1	कॉम्पेक्टर की संख्या	01
2	सुलभ क्षेत्रान्तर्गत स्टील फ्रेम शौचालय की संख्या	135
3	अस्थायी शौचालय हेतु पर्यावरण मित्रों की संख्या	42
4	पड़ाव सफाई हेतु पर्यावरण मित्रों की संख्या	80
5	कूड़ा निस्तारण हेतु पर्यावरण मित्रों की संख्या	12
6	सुपरवाइजरों की संख्या	06

भवदीय,

  
(प्रभारी) 06/08/24  
सुलभ इंटरनेशनल

**Shri Badarinath Kedarnath Temple Committee, Kedarnath Temple**

**Shri Kedarnath Temple, details of Pilgrims counting, Year of 2024**

Date and time of Kapat Opening- 10.05.2024, 07:00 AM

**Month Of May, 2024**

Date	Indian Pilgrims			Foreigner Pilgrims			Total
	Male	Female	Children	Male	Female	Children	
10-05-2024	19,282	9,333	415	0	0	0	29,030
11-05-2024	14,625	7,716	256	0	2	0	22,599
12-05-2024	15,237	7,953	320	0	0	0	23,510
13-05-2024	17,090	9,868	402	0	0	0	27,360
14-05-2024	15,253	8,216	338	0	0	0	23,807
15-05-2024	19,076	9,712	489	0	1	0	29,278
16-05-2024	17,750	9,839	504	0	0	0	28,093
17-05-2024	21,023	10,620	610	0	0	0	32,253
18-05-2024	20,164	10,198	526	1	1	0	30,890
19-05-2024	22,903	11,355	635	0	0	0	34,893
20-05-2024	24,515	12,359	606	0	0	0	37,480
21-05-2024	25,586	12,458	638	0	0	0	38,682
22-05-2024	21,999	11,190	526	0	0	0	33,715
23-05-2024	21,403	10,777	472	0	0	0	32,652
24-05-2024	14,600	7,904	310	0	0	0	22,814
25-05-2024	13,692	6,869	289	1	1	0	20,852
26-05-2024	13,042	6,329	344	0	0	0	19,715
27-05-2024	14,520	7,168	377	0	0	0	22,065
28-05-2024	14,628	6,913	346	0	0	0	21,887
29-05-2024	13,506	6,298	325	1	0	0	20,130
30-05-2024	12,524	5,937	299	0	0	0	18,760
31-05-2024	12,387	5,668	270	0	0	0	18,325
<b>Total</b>	<b>3,84,805</b>	<b>1,94,680</b>	<b>9,297</b>	<b>3</b>	<b>5</b>	<b>0</b>	<b>5,88,790</b>

**Shri Kedarnath Temple, details of Pilgrims counting month of June, 2024**

Date	Indian Pilgrims			Foreigner Pilgrims			Total
	Male	Female	Children	Male	Female	Children	
B.F.	3,84,805	1,94,680	9,297	3	5	0	5,88,790
1-6-2024	12,786	5,864	286	1	2	0	18,939
2-6-2024	12,857	6,323	304	0	0	0	19,484
3-6-2024	13,942	6,766	313	0	0	0	21,021
4-6-2024	14,010	6,756	333	3	0	0	21,102
5-6-2024	13,987	6,710	315	0	0	0	21,012
6-6-2024	13,629	6,459	262	0	0	0	20,350
7-6-2024	13,181	6,087	260	0	2	0	19,530
8-6-2024	12,157	5,755	208	0	0	0	18,120
9-6-2024	12,277	5,965	228	0	0	0	18,470
10-6-2024	12,929	6,030	251	0	0	0	19,210
11-6-2024	12,181	5,805	220	1	4	0	18,211
12-6-2024	12,003	5,562	215	0	0	0	17,780
13-6-2024	11,939	5,307	217	0	4	0	17,467
14-6-2024	11,121	5,128	203	0	0	0	16,452
15-6-2024	10,242	5,349	186	0	0	0	15,777
16-6-2024	10,528	5,424	216	0	0	0	16,168
17-6-2024	10,869	5,434	209	0	0	0	16,512
18-6-2024	8,851	3,978	172	7	10	0	13,018
19-6-2024	8,117	3,788	145	0	0	0	12,050
20-6-2024	6,963	3,381	153	0	0	0	10,497
21-6-2024	5,249	2,545	107	1	1	1	7,904
22-6-2024	4,093	1,976	110	0	0	0	6,179
23-6-2024	4,833	2,251	126	2	0	0	7,212
24-6-2024	5,738	2,668	144	0	0	0	8,550
25-6-2024	5,268	2,189	127	0	0	0	7,584
26-6-2024	4,643	2,061	116	0	0	0	6,820
27-6-2024	4,189	1,833	108	1	0	0	6,131
28-6-2024	4,004	1,893	106	3	0	0	6,006
29-6-2024	3,548	1,669	96	0	0	0	5,313
30-6-2024	3,403	1,622	90	0	1	0	5,116
<b>Total</b>	<b>6,64,342</b>	<b>3,27,258</b>	<b>15,123</b>	<b>22</b>	<b>29</b>	<b>1</b>	<b>10,06,775</b>

*Sum*  
27.6.24

**Shri Kedarnath Temple, details of 121 counting month of July 2024**

Date	Indian Pilgrims			Foreigner Pilgrims			Total
	Male	Female	Children	Male	Female	Children	
B.F.	6,64,342	3,27,258	15,123	22	29	1	10,06,775
1-7-2024	3,778	1,692	95	0	0	0	5,565
2-7-2024	3,264	1,491	85	0	0	0	4,840
3-7-2024	3,161	1,505	79	0	0	0	4,745
4-7-2024	2,427	1,193	63	0	0	0	3,683
5-7-2024	2,193	1,094	57	0	0	0	3,344
6-7-2024	1,906	906	42	0	0	0	2,854
7-7-2024	1,662	748	38	0	0	0	2,448
8-7-2024	1,992	796	47	0	0	0	2,835
9-7-2024	1,768	706	41	0	0	0	2,515
10-7-2024	1,550	680	40	0	0	0	2,270
11-7-2024	1,527	603	35	0	0	0	2,165
12-7-2024	1,371	616	32	0	0	0	2,019
13-7-2024	1,387	517	28	0	0	0	1,932
14-7-2024	1,507	640	32	0	0	0	2,179
15-7-2024	1,596	684	37	0	0	0	2,317
16-7-2024	1,278	688	51	0	0	0	2,017
17-7-2024	1,282	578	37	0	0	0	1,897
18-7-2024	1,011	414	22	0	0	0	1,447
19-7-2024	967	416	26	0	0	0	1,409
20-7-2024	1,065	472	31	0	0	0	1,568
21-7-2024	1,221	517	34	0	0	0	1,772
22-7-2024	2,469	1,035	66	0	0	0	3,570
23-7-2024	1,010	416	24	1	0	0	1,451
24-7-2024	1,060	465	22	0	0	0	1,547
25-7-2024	1,405	589	42	0	0	0	2,036
26-7-2024	1,593	718	37	0	0	0	2,348
27-7-2024	1,425	569	41	0	0	0	2,035
28-7-2024	1,712	798	54	0	0	0	2,564
29-7-2024	4,594	1,666	61	0	0	0	6,321
30-7-2024	2,933	905	45	0	0	0	3,883
31-7-2024	2,272	655	38	0	0	0	2,965
<b>Total</b>	<b>7,22,728</b>	<b>3,52,030</b>	<b>16,505</b>	<b>23</b>	<b>29</b>	<b>1</b>	<b>10,91,316</b>

*[Signature]*  
27-8-24

Shri Kedarnath Temple, details of pilgrims counting month of August 2024

Date	Indian Pilgrims			Foreigner Pilgrims			Total
	Male	Female	Children	Male	Female	Children	
B.F.	7,22,728	3,52,030	16,505	23	29	1	10,91,316
1-8-2024	1,190	260	16	-	-	-	1,466
2-8-2024	32	6	-	-	-	-	38
3-8-2024	-	-	-	-	-	-	-
4-8-2024	2	2	-	-	-	-	4
5-8-2024	3	3	-	-	-	-	6
6-8-2024	-	-	-	-	-	-	-
7-8-2024	-	-	-	-	-	-	-
8-8-2024	25	22	1	-	-	-	48
9-8-2024	16	14	-	-	-	-	30
10-8-2024	35	11	1	3	-	-	50
11-8-2024	107	61	4	6	24	-	202
12-8-2024	70	40	5	-	-	-	115
13-8-2024	111	41	1	-	-	-	153
14-8-2024	32	18	2	-	-	-	52
15-8-2024	88	56	8	-	-	-	152
16-8-2024	122	80	8	5	11	-	226
17-8-2024	62	44	4	2	8	-	120
18-8-2024	78	78	5	-	-	-	161
19-8-2024	11	4	-	-	-	-	15
20-8-2024	4	-	-	-	-	-	4
21-8-2024	129	81	15	1	1	-	227
22-8-2024	12	1	-	-	-	-	13
23-8-2024	94	74	10	-	-	-	178
24-8-2024	140	108	12	-	-	-	260
25-8-2024	187	117	6	-	-	-	310
26-8-2024	139	142	5	3	7	-	296
27-8-2024	254	203	21	1	3	-	482
28-8-2024							
29-8-2024							
30-8-2024							
31-8-2024							
<b>Total</b>	<b>7,25,671</b>	<b>3,53,496</b>	<b>16,629</b>	<b>44</b>	<b>83</b>	<b>1</b>	<b>10,95,924</b>

*(Signature)*  
27-8-24



**123**  
CENTRAL LABORATORY  
UTTARAKHAND POLLUTION CONTROL BOARD  
46 - B IT Park, Sahasradhara Road, Dehradun  
Email id - [clukpcb@gmail.com](mailto:clukpcb@gmail.com)

Test Report

Test report no:	UKPCB/CL/08/24/HO/SW-001
Code allotted:	UKPCB/CL/08/24/HO/SW-34
Sample Source (River/ Lake/Pond/Drain/ S.T.P./ any other specify ):	River
Sampling point:	River Mandakini at Glacier point, Kedarnath.
Type of sample: Grab/Composite/Integrated:	Grab.
Sample collected by:	Shri-Kamal Kumar (Regional Director, CPCB, RD-Lucknow ), Dr. Vipin Gupta (Scientist-C , Regional office, MoEF&CC, Dehradun ), Dr. R.K.Chaturvedi (Regional officer, UKPCB, Dehradun), Shri-Rakesh Kandari (Asst. Environment Engineer, UKPCB, Dehradun) With Central Laboratory, UKPCB Dehradun team.
Quantity & Packing: (HDPE/LDPE/P/G/Any Other)	2L, 250ml, 125ml. HDPE & G.
Date of sample collection:	27.08.2024
Date of sample receipt in the laboratory:	28.08.2024
Duration of analysis:	28.08.2024-03.09.2024
Date of issue of report:	04.09.2024

S.No.	Parameters	Results	Test Method	Unit
1.	Colour	Clear	By Visual appearance	-
2.	Odour	Odourless	-	-
3.	Temperature	4	APHA 2550B. By Electronic Thermometer	°C
4.	pH (@25°C)	7.45	APHA 4500 H <sup>+</sup> B: Electrometric Method	-
5.	Total Dissolved Solids	07	APHA 2540 C: Total Dissolved Solids Dried at 180°C	mg/l
6.	Electrical Conductivity	11	APHA 2510B Laboratory Method	(µs/cm)
7.	Dissolved Oxygen (DO)	11.0	APHA 4500-O C Azide Modification	mg/l
8.	Biochemical Oxygen Demand (BOD)	BDL (<1)	IS 3025 (Part 44): 2023, 3 days 27°C	mg/l
9.	Chemical Oxygen Demand (COD)	BDL (<5)	IS 3025 (Part 58): 2023, Open Reflux Method	mg/l

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S.No.	Parameters	Results	Test Method	Unit
10.	Nitrate	BDL(<0.3)	APHA 4500-NO <sub>3</sub> -B Ultraviolet Spectrophotometric Screening Method	mg/l
11.	Phosphate	BDL(<0.05)	APHA 4500-P D Stannous Chloride Method	mg/l
12.	Fluoride	BDL(<0.2)	APHA 4500-F D SPADNS Method	mg/l
13.	Total Coliform	<1.8	APHA 9221 B, Multiple-Tube- Fermentation Technique	MPN/100ml
14.	Faecal Coliform	<1.8	APHA 9221 E, Multiple-Tube- Fermentation Technique	MPN/100ml

*Akanksha*  
4/9/24  
Analysed by:  
(Akanksha Negi)

*Pradeep Chauhan*  
09/09/24  
Checked by:  
(Pradeep Chauhan)

*S.S. Chauhan*  
Authorized Signatory:  
(S.S. Chauhan)

\*\*\*\*\*End of Test Report\*\*\*\*\*

Note:

1. The results in the Test Report relate only to the items tested.
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3. Report shall not be reproduced without approval of laboratory.
4. Sample will be retained for only 10 days after issuing the report.



**125**  
CENTRAL LABORATORY  
UTTARAKHAND POLLUTION CONTROL BOARD  
46 - B IT Park, Subastradhara Road, Dehradun  
Email id - [clulnpcb@gmail.com](mailto:clulnpcb@gmail.com)

Test Report

Test report no:	UKPCB/CL/08/24/HO/SW-002
Code allotted:	UKPCB/CL/08/24/HO/SW-35
Sample Source (River/ Lake/Pond/Drain/ S.T.P./ any other specify ).:	River
Sampling point:	River Saraswati Before Confluence (B/C) to River Mandakini at Kedarnath.
Type of sample: Grab/Composite/Integrated:	Grab.
Sample collected by:	Shri-Kamal Kumar (Regional Director, CPCB, RD-Lucknow ), Dr. Vipin Gupta (Scientist-C , Regional office, MoEF&CC, Dehradun ), Dr. R.K.Chaturvedi (Regional officer, UKPCB, Dehradun), Shri-Rakesh Kandari (Asst. Environment Engineer, UKPCB, Dehradun) With Central Laboratory, UKPCB Dehradun team.
Quantity & Packing: (HDPE/LDPE/P/G/Any Other)	2L, 250ml, 125ml. HDPE & G.
Date of sample collection:	27.08.2024
Date of sample receipt in the laboratory:	28.08.2024
Duration of analysis:	28.08.2024-03.09.2024
Date of issue of report:	04.09.2024

S.No.	Parameters	Results	Test Method	Unit
1.	Colour	Turbid	By Visual appearance	-
2.	Odour	Odourless	-	-
3.	Temperature	8	APHA 2550B. By Electronic Thermometer	°C
4.	pH (@25°C)	7.81	APHA 4500 H <sup>+</sup> B: Electrometric Method	-
5.	Total Dissolved Solids	17	APHA 2540 C: Total Dissolved Solids Dried at 180°C	mg/l
6.	Electrical Conductivity	28	APHA 2510B Laboratory Method	(µs/cm)
7.	Dissolved Oxygen (DO)	10.6	APHA 4500-O C Azide Modification	mg/l
8.	Biochemical Oxygen Demand (BOD)	BDL (<1)	IS 3025 (Part 44): 2023, 3 days 27°C	mg/l
9.	Chemical Oxygen Demand (COD)	BDL (<5)	IS 3025 (Part 58): 2023, Open Reflux Method	mg/l

*Shankar*

*Am*

S.No.	Parameters	Results	Test Method	Unit
10.	Nitrate	BDL(<0.3)	APHA 4500-NO <sub>3</sub> -B Ultraviolet Spectrophotometric Screening Method	mg/l
11.	Phosphate	BDL(<0.05)	APIIA 4500-P D Stannous Chloride Method	mg/l
12.	Fluoride	BDL(<0.2)	APHA 4500-F <sup>-</sup> D SPADNS Method	mg/l
13.	Total Coliform	<1.8	APHA 9221 B, Multiple-Tube- Fermentation Technique	MPN/100ml
14.	Faecal Coliform	<1.8	APHA 9221 E, Multiple-Tube- Fermentation Technique	MPN/100ml

*Akanksha*  
4/7/24  
Analysed by:  
(Akanksha Negi)

*Pradeep Chauhan*  
04/09/24  
Checked by:  
(Pradeep Chauhan )

*S.S. Chauhan*  
Authorized Signatory:  
(S.S.Chauhan)

\*\*\*\*\*End of Test Report\*\*\*\*\*

Note:

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CENTRAL LABORATORY  
UTTARAKHAND POLLUTION CONTROL BOARD

46 - B IT Park, Sahasradhara Road, Dehradun

Email Id - [clukpcb@gmail.com](mailto:clukpcb@gmail.com)

Test Report

Test report no:	UKPCB/CL/08/24/HO/SW-003
Code allotted:	UKPCB/CL/08/24/HO/SW-36
Sample Source (River/ Lake/Pond/Drain/ S.T.P./ any other specify ).:	River
Sampling point:	River Mandakini Before Confluence (B/C) to River Saraswati at Kedarnath.
Type of sample: Grab/Composite/Integrated:	Grab.
Sample collected by:	Shri-Kamal Kumar (Regional Director, CPCB, RD-Lucknow ), Dr. Vipin Gupta (Scientist-C , Regional office, MoEF&CC, Dehradun ), Dr. R.K.Chaturvedi (Regional officer, UKPCB, Dehradun), Shri-Rakesh Kandari (Asst. Environment Engineer, UKPCB, Dehradun) With Central Laboratory, UKPCB Dehradun team.
Quantity & Packing: (HDPE/LDPE/P/G/Any Other)	2L, 250ml, 125ml. HDPE & G.
Date of sample collection:	27.08.2024
Date of sample receipt in the laboratory:	28.08.2024
Duration of analysis:	28.08.2024-03.09.2024
Date of issue of report:	04.09.2024

S.No.	Parameters	Results	Test Method	Unit
1.	Colour	Turbid	By Visual appearance	-
2.	Odour	Odourless	-	-
3.	Temperature	6	APHA 2550B. By Electronic Thermometer	°C
4.	pH (@25°C)	7.60	APHA 4500 H <sup>+</sup> B; Electrometric Method	-
5.	Total Dissolved Solids	28	APHA 2540 C: Total Dissolved Solids Dried at 180°C	mg/l
6.	Electrical Conductivity	42	APHA 2510B Laboratory Method	(µs/cm)
7.	Dissolved Oxygen (DO)	10.8	APHA 4500-O C Azide Modification	mg/l
8.	Biochemical Oxygen Demand (BOD)	BDL (<1)	IS 3025 (Part 44): 2023, 3 days 27°C	mg/l
9.	Chemical Oxygen Demand (COD)	BDL (<5)	IS 3025 (Part 58): 2023, Open Reflux Method	mg/l

S.No.	Parameters	Results	Test Method	Unit
10.	Nitrate	BDL(<0.3)	APHA 4500-NO <sub>3</sub> B Ultraviolet Spectrophotometric Screening Method	mg/l
11.	Phosphate	BDL(<0.05)	APHA 4500-P D Stannous Chloride Method	mg/l
12.	Fluoride	BDL(<0.2)	APHA 4500-F D SPADNS Method	mg/l
13.	Total Coliform	<1.8	APHA 9221 B, Multiple-Tube- Fermentation Technique	MPN/100ml
14.	Faecal Coliform	<1.8	APHA 9221 E, Multiple-Tube- Fermentation Technique	MPN/100ml

*Akanksha Negi*  
4/9/24  
Analysed by:  
(Akanksha Negi)

*Pradeep Chauhan*  
04/09/24  
Checked by:  
(Pradeep Chauhan)

*S.S. Chauhan*  
Authorized Signatory:  
(S.S. Chauhan)

\*\*\*\*\*End of Test Report\*\*\*\*\*

Note:

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Test Report

Test report no:	UKPCB/CI/08/24/110/WW-004
Code allotted:	UKPCB/CI/08/24/110/WW-37
Sample Source (River/ Lake/Pond/Drain/ S.T.P./ any other specify ):	Other: Soak pit outlet.
Sampling point:	Public toilet (Soak pit outlet), Haat Bazar, Kedarnath.
Type of sample: Grab/Composite/Integrated:	Grab.
Sample collected by:	Shri-Kamal Kumar (Regional Director, CPCB, RD-Lucknow ), Dr. Vipin Gupta (Scientist-C , Regional office, MoEF&CC, Dehradun ), Dr. R.K.Chaturvedi (Regional officer, UKPCB, Dehradun), Shri-Rakesh Kandari (Asst. Environment Engineer, UKPCB, Dehradun) With Central Laboratory, UKPCB Dehradun team.
Quantity & Packing: (HDPE/LDPE/P/G/Any Other)	2L, 250ml, 125ml. HDPE & G.
Date of sample collection:	27.08.2024
Date of sample receipt in the laboratory:	28.08.2024
Duration of analysis:	28.08.2024-03.09.2024
Date of issue of report:	04.09.2024

S.No.	Parameters	Results	Test Method	Unit
1.	Colour	Turbid	By Visual appearance	-
2.	Odour	Not Specific	-	-
3.	pH (@25°C)	8.16	APHA 4500 H <sup>+</sup> B: Electrometric Method	-
4.	Total Suspended Solids	60.0	APHA 2540 D Total Suspended Solids Dried at 103-105°C	mg/l
5.	Biochemical Oxygen Demand (BOD)	46.0	IS 3025 (Part44) Azide Modification.	mg/l
6.	Chemical Oxygen Demand (COD)	170.0	IS 3025 (Part 58): 2023, Open Reflux Method	mg/l
7.	Faecal Coliform	920	APHA 9221 E, Multiple-Tube-Fermentation Technique	MPN/100ml

*Akanksha Negi*  
 Analysed by:  
 (Akanksha Negi)

*Pradeep Chauhan*  
 Checked by:  
 (Pradeep Chauhan)

*S.S. Chauhan*  
 Authorized Signatory:  
 (S.S. Chauhan)

\*\*\*\*\*End of Test Report\*\*\*\*\*

**Note:**

1. The results in the Test Report relate only to the items tested.
2. The Test Report pertains to the sample as received in lab.
3. Report shall not be reproduced without approval of laboratory.
4. Sample will be retained for only 10 days after issuing the report.



**130**  
CENTRAL LABORATORY  
UTTARAKHAND POLLUTION CONTROL BOARD  
46 - B IT Park, Sahastradhara Road, Dehradun  
Email Id - [ukpcb@gmail.com](mailto:ukpcb@gmail.com)

Test Report

Test report no:	UKPCB/CL/08/24/HO/SW-005
Code allotted:	UKPCB/CL/08/24/HO/SW-38
Sample Source (River/ Lake/Pond/Drain/ S.T.P./ any other specify ).:	Drain
Sampling point:	Drain After confluence (A/C) of public toilet raw effluent Near Helipad, Kedarnath.
Type of sample: Grab/Composite/Integrated:	Grab.
Sample collected by:	Shri-Kamal Kumar (Regional Director, CPCB, RD-Lucknow ), Dr. Vipin Gupta (Scientist-C , Regional office, MoEF&CC, Dehradun ), Dr. R.K.Chaturvedi (Regional officer, UKPCB, Dehradun), Shri-Rakesh Kandari (Asst. Environment Engineer, UKPCB, Dehradun) With Central Laboratory, UKPCB Dehradun team.
Quantity & Packing: (HDPE/LDPE/P/G/Any Other)	2L, 250ml, 125ml. HDPE & G.
Date of sample collection:	27.08.2024
Date of sample receipt in the laboratory:	28.08.2024
Duration of analysis:	28.08.2024-03.09.2024
Date of issue of report:	04.09.2024

S.No.	Parameters	Results	Test Method	Unit
1.	Colour	Turbid	By Visual appearance	-
2.	Odour	Not Specific	-	-
3.	Temperature	5	APHA 2550B. By Electronic Thermometer	°C
4.	pH (@25°C)	7.35	APHA 4500 H <sup>+</sup> B: Electrometric Method	-
5.	Total Dissolved Solids	150	APHA 2540 C: Total Dissolved Solids Dried at 180°C	mg/l
6.	Electrical Conductivity	226	APHA 2510B Laboratory Method	(µs/cm)
7.	Dissolved Oxygen (DO)	3.0	APHA 4500-O C Azide Modification	mg/l
8.	Biochemical Oxygen Demand (BOD)	20.0	IS 3025 (Part 44): 2023, 3 days 27°C	mg/l
9.	Chemical Oxygen Demand (COD)	80.0	IS 3025 (Part 58): 2023, Open Reflux Method	mg/l

*Shankar*

*Shankar*

Sl. No.	Parameter	Results	Test Method	Unit
11.	Nitrate	0.17	APHA 4500-NO <sub>3</sub> B Ultraviolet Spectrophotometric Screening Method	mg/l
11	Phosphate	0.18	APHA 4500-P D Stannous Chloride Method	mg/l
12.	Fluoride	0.28	APHA 4500-F D SPADNS Method	mg/l
13.	Total Coliform	540	APHA 9221 B, Multiple-Tube- Fermentation Technique	MPN/100ml
14.	Faecal Coliform	350	APHA 9221 E, Multiple-Tube- Fermentation Technique	MPN/100ml

*Akanksha*  
4/9/24  
Analysed by:  
(Akanksha Negi)

*Pradeep*  
04/09/24  
Checked by:  
(Pradeep Chauhan)

*S.S. Chauhan*  
Authorized Signatory:  
(S.S. Chauhan)

\*\*\*\*\*End of Test Report\*\*\*\*\*

Note:

1. The results in the Test Report relate only to the items tested.
2. The Test Report pertains to the sample as received in lab.
3. Report shall not be reproduced without approval of laboratory.
4. Sample will be retained for only 10 days after issuing the report.



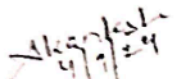
**CENTRAL LABORATORY**  
**UTTARAKHAND POLLUTION CONTROL BOARD**  
46 - B IT Park, Salmistradhara Road, Dehradun  
Email id - [clukpcb@gmail.com](mailto:clukpcb@gmail.com)


Test Report


Test report no:	UKPCB/CL/08/24/HO/SW-006
Code allotted:	UKPCB/CL/08/24/HO/SW-39
Sample Source (River/ Lake/Pond/Drain/ S.T.P./ any other specify ):	River
Sampling point:	River Mandakini Downstream (D/S) Near "Ghoda padav" Kedarnath.
Type of sample: Grab/Composite/Integrated:	Grab.
Sample collected by:	Shri-Kamal Kumar (Regional Director, CPCB, RD-Lucknow ), Dr. Vipin Gupta (Scientist-C , Regional office, MoEF&CC, Dehradun ), Dr. R.K.Chaturvedi (Regional officer, UKPCB, Dehradun), Shri-Rakesh Kandari (Asst. Environment Engineer, UKPCB, Dehradun) With Central Laboratory, UKPCB Dehradun team.
Quantity & Packing: (HDPE/LDPE/P/G/Any Other)	2L, 250ml, 125ml. HDPE & G.
Date of sample collection:	27.08.2024
Date of sample receipt in the laboratory:	28.08.2024
Duration of analysis:	28.08.2024-03.09.2024
Date of issue of report:	04.09.2024

S.No.	Parameters	Results	Test Method	Unit
1.	Colour	Turbid	By Visual appearance	-
2.	Odour	Odourless	-	-
3.	Temperature	05	APHA 2550B. By Electronic Thermometer	°C
4.	pH (@25°C)	7.75	APHA 4500 H <sup>+</sup> B: Electrometric Method	-
5.	Total Dissolved Solids	22	APHA 2540 C: Total Dissolved Solids Dried at 180°C	mg/l
6.	Electrical Conductivity	34	APHA 2510B Laboratory Method	(µs/cm)
7.	Dissolved Oxygen (DO)	10.6	APHA 4500-O C Azide Modification	mg/l
8.	Biochemical Oxygen Demand (BOD)	BDL (<1)	IS 3025 (Part 44): 2023, 3 days 27°C	mg/l
9.	Chemical Oxygen Demand (COD)	BDL (<5)	IS 3025 (Part 58): 2023, Open Reflux Method	mg/l

S.No.	Parameters	Results	Test Method	Unit
10.	Nitrate	BDL(<0.3)	APHA 4500-NO <sub>3</sub> B Ultraviolet Spectrophotometric Screening Method	mg/l
11.	Phosphate	BDL(<0.05)	APHA 4500-P D Stannous Chloride Method	mg/l
12.	Fluoride	BDL(<0.2)	APHA 4500-F D SPADNS Method	mg/l
13.	Total Coliform	24	APHA 9221 B, Multiple-Tube- Fermentation Technique	MPN/100ml
14.	Faecal Coliform	17	APHA 9221 E, Multiple-Tube- Fermentation Technique	MPN/100ml

  
 Analysed by:  
 (Akanksha Negi)

  
 Checked by:  
 (Pradeep Chauhan)

  
 Authorized Signatory:  
 (S.S. Chauhan)

\*\*\*\*\*End of Test Report\*\*\*\*\*

- Note:**
1. The results in the Test Report relate only to the Items tested.
  2. The Test Report pertains to the sample as received in lab.
  3. Report shall not be reproduced without approval of laboratory.
  4. Sample will be retained for only 10 days after issuing the report.

Item No. 03

Court No. 1

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

Original Application No. 751/2024

Abhisht Kusum Gupta

Applicant

Versus

State of Uttarakhand &amp; Ors.

Respondent(s)

Date of hearing: 11.07.2024

**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. Sunil J. Mathews &amp; Ms. Reema Chauhan, Advs. for Applicant

**ORDER**

1. In this original application, the applicant has taken a plea that river Mandakini which is a tributary of River Alaknanda runs approximately 81 KM between Rudraprayag and Sonprayag areas and emerges from Chaorabari Glacier. The Mandakini merges with river Songanga at Sonpryang and flows past the Hindu temple Madhyamaheshwar at Ukhimath.

2. The grievance of the applicant is that there is no STP at Shri Kedarnath Dham and the sewage is being discharged in river Mandakani. Further grievance of the applicant is that there is no solid waste management at Kedarnath Dham which is also leading to the pollution in the river. The specific grievance reflected in the O.A. is as under:-

- “1. Shri Kedarnath Dham currently has no provision for treating sewage before its discharge into the Mandakini river.  
2. The untreated sewage and human waste from toilets is being dumped directly into the Mandakini river, polluting its waters.*

3. *The Mandakini river is a tributary of the Ganga river, so this pollution eventually reaches the Ganga as well.*
4. *Kedarnath is an eco-sensitive area, and such pollution is detrimental to the environment and aquatic life.*
5. *The lack of an STP poses severe health risks to the local population and the large number of devotees visiting the shrine.”*

3. In support of the plea taken in the O.A applicant has enclosed photographs at page 22 onwards which reflects the conditions of improper solid waste management.

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

5. Issue notice to the respondents for filing reply at least one week before the next dated hearing. Applicant is directed to serve the respondents and file affidavit of service.

6. To ascertain the status at the ground level we constitute a Joint Committee comprising of Representative of Member Secretary CPCB, District Magistrate Rudraprayag, RO MoEF & CC Dehradun. The District Magistrate will act as nodal agency.

7. The Joint Committee will visit the site ascertain the correct position in respect of the compliance of the norms relating to liquid and solid waste management and discharge of sewage and other pollutant in river Mandakini at Kedarnath and also take water sample of river Mandakini and get the analysis done and submit the report before the Tribunal within 10 weeks.

8. List on 04.10.2024.

Prakash Shrivastava, CP

Arun Kumar Tyagi, JM

Dr. A. Senthil Vel, EM

July 11, 2024  
O.A. No. 751/2024  
HB