

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

OA 06/2024

IN THE MATTER OF:

Priyank Karnatak

...Applicant

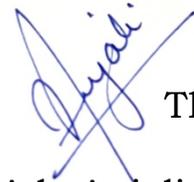
Versus

STATE OF UTTARAKHAND & ORS

... Respondents

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Through

Adv Anjali Rajput

Chamber no 136, M.C. Setalvad Block,
Supreme Court of India New Delhi-
110001

9811777368



ECON LABORATORY & CONSULTANCY

(ISO: 9001, 14001 & 45001 Certified & MOEF & CC Recognized Laboratory)

Vill.: Khabarwala, P.O.: Jaintanwala, Near Garhi Cantt., Dehradun, Uttarakhand - 248003



TEST REPORT

Name & Address of Client:		ULR No:	TC550724000003548F
Office of Executive Engineer, Uttarakhand Jal Sansthan, Gopeshwar Chamoli U.K.		Reporting Date:	29/05/2024
		Date of Sampling:	25/05/2024
		Receipt Date:	25/05/2024
		Period of Testing:	26/05/2024-29/05/2024
		Sample Collected By:	By Client
		Sampling Type:	Grab
Sample Description:	STP Outlet (0.26 MLD)	Preservation :	Refrigerated
Sampling Location:	Shri Badrinath near Bamni Gaon	Format No:	7.8-F-01
Sampling Protocol:	LAB/STP/WATER	Party Reference No:	764/STP/05 Dated: 26/06/2023
Sample Quantity:	2 Ltr.	Parameter Required:	As per work order

TEST RESULTS

S. No.	Parameters	Results	EPA Act.1986	Units	Protocol Used
1.	Appearance	Blackish	NA	NA	IS 3025 (Part-4) 2021
2.	Odor	Mild	NA	NA	IS 3025 (Part-5) 2018
3.	pH	7.87	6.5-9.0	NA	APHA 23 rd Edi.2017-4500 H+B,Electrometric Method
4.	COD	35.3	50	mg/l	APHA 23 rd Edi.2017.5220B, Open Reflux Method
5.	BOD (3 Days at 27 °C)	8.7	10	mg/l	IS-3025 (P-44)1993,RA2019
6.	Total Suspended Solid	8.0	10	mg/l	APHA 23 rd Edi.2017 -2540 B,Gravimetric Method
7.	Oil and Grease	< 5.0	Limit Not Specified	mg/l	APHA 23 rd Edi.2017 -5520 C B Partition Gravimetric Method
8.	Total Coliform	318	Limit Not Specified	MPN/100ml	IS:1622: 1981 RA: 2019
9.	Faecal Coliform	206	< 230	MPN/100ml	IS:1622: 1981 RA:2019

NA : Not Applicable

End of Report

CHECKED BY :

AUTHORISED SIGNATORY :

NOTE : 1. The results listed only to the tested sample & applicable parameters.

2. Total liabilities of our lab will be restricted to the invoice amount only.

3. The sample will be destroyed after retention time unless otherwise specified.

4. This report is not to be reproduced wholly or in part and cannot be used as evidence in the court of law without prior permission

www.econlaboratory.com, uk@econlaboratory.com, econlab.consultancy@yahoo.in

CONTACT NO.: +91-8534957815, 8126534344



105 ECON LABORATORY & CONSULTANCY

(ISO: 9001, 14001 & 45001 Certified & MOEF & CC Recognized Laboratory)

Vill.: Khabarwala, P.O.: Jaintanwala, Near Garhi Cantt., Dehradun, Uttarakhand - 248003



TEST REPORT

Name & Address of Client:		ULR No:	TC550724000003540F
Office of Executive Engineer, Uttarakhand Jal Sansthan, Gopeshwar Chamoli U.K.		Reporting Date:	29/05/2024
		Date of Sampling:	25/05/2024
		Receipt Date:	25/05/2024
		Period of Testing:	26/05/2024-29/05/2024
		Sample Collected By:	By Client
		Sampling Type:	Grab
Sample Description:	STP Outlet (1.0 MLD)	Preservation :	Refrigerated
Sampling Location:	Shri Badrinath near Bamni Jhula Pul	Format No:	7.8-F-01
Sampling Protocol:	LAB/STP/WATER	Party Reference No:	764/STP/05 Dated: 26/06/2023
Sample Quantity:	2 Ltr.	Parameter Required:	As per work order

TEST RESULTS

S. No.	Parameters	Results	EPA Act.1986	Units	Protocol Used
1.	Appearance	Colorless	NA	NA	IS 3025 (Part-4) 2021
2.	Odor	Mild	NA	NA	IS 3025 (Part-5) 2018
3.	pH	8.17	6.5-9.0	NA	APHA 23 rd Edi.2017-4500 H+B,Electrometric Method
4.	COD	41.8	50	mg/l	APHA 23 rd Edi.2017.5220B, Open Reflux Method
5.	BOD (3 Days at 27 °C)	9.1	10	mg/l	IS-3025 (P-44)1993,RA2019
6.	Total Suspended Solid	9.3	10	mg/l	APHA 23 rd Edi.2017 -2540 B,Gravimetric Method
7.	Oil and Grease	< 5.0	Limit Not Specified	mg/l	APHA 23 rd Edi.2017 -5520 C B Partition Gravimetric Method
8.	Total Coliform	292	Limit Not Specified	MPN/100ml	IS:1622: 1981 RA: 2019
9.	Faecal Coliform	203	< 230	MPN/100ml	IS:1622: 1981 RA:2019

NA : Not Applicable

End of Report

CHECKED BY :

AUTHORISED SIGNATORY :

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Vill.: Khabarwala, P.O.: Jaintanwala, Near Garhi Cantt., Dehradun, Uttarakhand - 248003



TEST REPORT

Name & Address of Client:		ULR No:	TC550724000003543F
Office of Executive Engineer, Uttarakhand Jal Sansthan, Gopeshwar Chamoli U.K.		Reporting Date:	29/05/2024
		Date of Sampling:	26/05/2024
		Receipt Date:	26/05/2024
		Period of Testing:	26/05/2024-29/05/2024
		Sample Collected By:	By Client
		Sampling Type:	Grab
Sample Description:	STP Outlet (1.08 MLD)	Preservation :	Refrigerated
Sampling Location:	Joshimath	Format No:	7.8-F-01
Sampling Protocol:	LAB/STP/WATER	Party Reference No:	764/STP/05 Dated: 26/06/2023
Sample Quantity:	2 Ltr.	Parameter Required:	As per work order

TEST RESULTS

S. No.	Parameters	Results	EPA Act.1986	Units	Protocol Used
1.	Appearance	Colorless	NA	NA	IS 3025 (Part-4) 2021
2.	Odor	Mild	NA	NA	IS 3025 (Part-5) 2018
3.	pH	7.76	6.5-9.0	NA	APHA 23 rd Edi.2017-4500 H+B, Electrometric Method
4.	COD	38.9	50	mg/l	APHA 23 rd Edi.2017.5220B, Open Reflux Method
5.	BOD (3 Days at 27 °C)	9.2	10	mg/l	IS-3025 (P-44)1993,RA2019
6.	Total Suspended Solid	8.4	10	mg/l	APHA 23 rd Edi.2017 -2540 B, Gravimetric Method
7.	Oil and Grease	< 5.0	Limit Not Specified	mg/l	APHA 23 rd Edi.2017 -5520 C B Partition Gravimetric Method
8.	Total Coliform	265	Limit Not Specified	MPN/100ml	IS:1622: 1981 RA: 2019
9.	Faecal Coliform	188	< 230	MPN/100ml	IS:1622: 1981 RA:2019

NA : Not Applicable

End of Report

CHECKED BY:



- NOTE :**
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 - Total liabilities of our lab will be restricted to the invoice amount only.
 - The sample will be destroyed after retention time unless otherwise specified.
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चारधाम यात्रान्तर्गत श्री बद्रीनाथ धाम यात्रा-2024 में सुलभ इंटरनेशनल द्वारा संचालित सुलभ शौचालयों का विवरण:-

क्र० सं०	शौचालय का नाम	सीटों की संख्या			सैनिटेशन मैनेजर का नाम	सैनिटेशन ऑफिसर	इन्चार्ज का नाम	अभ्युक्ति
		पुरुष	महिला	कुल सीट				
1	श्री बद्रीनाथ निकट स्वामी नारायण मंदिर	15	6	21	दिलीप कुमार सिंह 8294192803	राजेन्द्र कुमार 9997857533	श्री मनोज झा 9411354782	प्रातः काल 04:00 बजे से मध्याह्न 12:00 बजे एवं मध्याह्न 12:00 बजे रात्रि 11:00 बजे तक सभी शौचालय तीर्थयात्रियों हेतु संचालित किये जाते हैं एवं मध्याह्न भोजन, रात्रि के समय आवश्यकतानुसार रोस्टरवॉर सैनिटेशन मैनेजर एवं सैनिटेशन ऑफिसर की तैनाती की जाती है।
2	सनकादिक घाट, निकट माणा पैदल मार्ग	9	10	19	मृत्युंजय सिंह 9845638538			
3	बामनी गांव, ऋषिगंगा के समीप	11	8	19	संजीत कुमार 7739360080	राजीव कुमार 7983217224		
4	भोलागिरी आश्रम के समीप	6	4	10	राहुल कुमार 7858970451			
5	पुराना टैक्सी स्टैंड निकट परमार्थ निकेतन मार्ग	6	4	10	भगवान यादव 7761812610	तनु		
6	हैलीपैड के समीप	3	3	6	ओम प्रकाश यादव 9932260299	सुरेश		
7	न्यू बस पार्किंग	12	10	22	रमाशंकर झा 9491895162			
8	थाना एवं पी0डब्ल्यू0डी0 भवन के समीप	6	4	10	सोनू कुमार 9149076675	राजीव कुमार 7983217224		
9	यात्री गृह नगर पंचायत के समीप	3	3	6	अमोद कुमार सिंह .9845844887			

34/05/2024

Sulabh International
Social Service Organisation
Uttarakhand State Branch Dehradun
H.No. 862, Indira Nagar, Phase-2
Dehradun-248006 (U.K.)



अधिशारी अभियन्ता, अनुरक्षण खण्ड उत्तराखण्ड जल संस्थान गोपेश्वर, (चमोली)

सेवा में,
जिलाधिकारी,
चमोली।

पत्रांक: 123 / NCT / 01

दिनांक 28 / 05 / 2024

विषय: मा0 एन0जी0टी0 नई दिल्ली में योजित मूल आवेदन संख्या-06/2023 प्रियांक कर्नाटक बनाम उत्तराखण्ड राज्य में निर्णित आदेश दिनांक 16-05-2024 की अनुपालन आख्या मा0 एन0जी0टी0 में दाखिल किये जाने के सम्बन्ध में।

महोदय,

उपरोक्त विषयक, मा0 एन0जी0टी0 नई दिल्ली में योजित मूल आवेदन संख्या-06/2023 प्रियांक कर्नाटक बनाम उत्तराखण्ड राज्य में निर्णित आदेश दिनांक 16-05-2024 के अनुपालन में सादर अवगत कराना है कि श्री बद्रीनाथ धाम में 03 एस0टी0पी0 संचालित हैं, जिनका संचालन एवं रख-रखाव उत्तराखण्ड जल संस्थान शाखा गोपेश्वर द्वारा किया जाता है। दिनांक 12 मई 2024 से श्री बद्रीनाथ धाम के कपाट खुलने के उपरान्त एस0टी0पी0 से सम्बन्धित सूचनायें निम्नानुसार हैं।

क्र० सं०	एस0टी0पी0 नाम	क्षमता (MLD)	अभियुक्ति
01	निकट बामणी झूला पुल	1.00	इस एस0टी0पी0 से अलकनंदा नदी के बांये छोर स्थित होटलों, रेस्टोरेंट, धर्मशालाओं, कार्यालयों एवं प्रतिष्ठानों के कुल 226 सीवर संयोजन (94 घरेलू तथा 132 अघरेलू) के साथ-साथ 03 नाले क्रमशः साकेत नाला, बी0एस0एन0एल0 नाला एवं रतूड़ी नाला संयोजित हैं। वर्तमान में इस एस0टी0पी0 में 1.00 एम0एल0डी0 क्षमता के सापेक्ष 0.70 एम0एल0डी0 सीवेज प्राप्त हो रहा है। वर्तमान में एस0टी0पी0 की स्थापित क्षमता का 70 प्रतिशत उपयोग हो रहा है।
02	निकट बद्रीनाथ मन्दिर	0.01	पूर्व में इस एस0टी0पी0 से अलकनंदा नदी के दांये छोर स्थित मन्दिर के समीप सुलभ शौचालय का मात्र 01 सीवर संयोजन संयोजित था, जो मास्टर प्लान के विकास कार्य हेतु ध्वस्त कर दिया गया था। जिस कारण विगत यात्रा काल 2023 में इस एस0टी0पी0 संचालन नहीं किया जाता था। मास्टर प्लान के अर्न्तगत रिवर फ्रंट निर्माण के दौरान बहमकपाल पुल के समीप स्थित सीवेज पम्पिंग स्टेशन, जो कि 1.00 एम0एल0डी0 एस0टी0पी0 से संयोजित है, के ध्वस्त हो जाने के कारण इस सीवेज पम्पिंग स्टेशन से संयोजित बहमकपाल मार्ग स्थित बहमकपाल नाला तथा साधुसूधा आश्रम मार्ग स्थित 28 सीवर संयोजनों के प्रभावित होने के कारण उक्त 28 सीवर संयोजनों के सीवेज को Soak Pit से संयोजित किया गया है, तथा बहमकपाल नाले से प्राप्त श्राव को शोधन हेतु मुख्य मन्दिर पुल के नीचे स्थित मिनी पम्पिंग स्टेशन के माध्यम से इस एस0टी0पी0 से संयोजित किया गया है। बहमकपाल नाले का श्राव अत्यन्त कम होने के कारण इस एस0टी0पी0 को आवश्यकता अनुसार संचालित किया जाता है। वर्तमान में इस एस0टी0पी0 में 0.01 एम0एल0डी0 क्षमता के सापेक्ष लगभग 0.002 एम0एल0डी0 सीवेज प्राप्त हो रहा है। वर्तमान में एस0टी0पी0 की स्थापित क्षमता का 20 प्रतिशत उपयोग हो रहा है।
03	निकट बामणी गांव	0.26	इस एस0टी0पी0 से अलकनंदा नदी के दांये छोर स्थित धर्मशालाओं एवं व्यक्तिगत आवासों के कुल 78 सीवर संयोजन के साथ-साथ बामणी नाला संयोजित हैं। वर्तमान में इस एस0टी0पी0 में 0.26 एम0एल0डी0 क्षमता के सापेक्ष लगभग 0.15 एम0एल0डी0 सीवेज प्राप्त हो रहा है। वर्तमान में एस0टी0पी0 की स्थापित क्षमता का 58 प्रतिशत उपयोग हो रहा है।

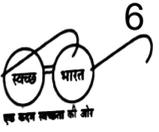
महोदय

(संजय कुमार श्रीवास्तव)
अधिशारी अभियन्ता



कार्यालय नगर पंचायत बदरीनाथ, चमोली।

Email- npbadrinath@gmail.com



पत्राक 43 / 21-63 / 2024-25

दिनांक 24 मई 2024

सेवा में,

जिलाधिकारी,
चमोली।

विषय :-

Compliance and for filling report in OA no 06/2023 Priyank Karnatak Versus State of Uttarakhand in compliance of the order dated 16-05-2024 passed by Hon'ble Green Tribunal, New Delhi.

महोदय,

उपरोक्त विषयक मा0 एन0जी0टी0 नई दिल्ली में योजित मूल आवेदन सं0 -06/2023 प्रियंक कर्नाटक बनाम उत्तराखण्ड राज्य व अन्य में निर्णित आदेश दिनांक 16.05.2024 एवं श्री अंजली राजपूत अधिवक्ता मा0 उच्चतम न्यायालय नई दिल्ली के पत्र दिनांक 22.05.2024 के क्रम नगर पंचायत बदरीनाथ से सम्बन्धित बिन्दुवार आख्या निम्नानुसार प्रेषित है -

01-कूड़े का संग्रहण :- नगर पंचायत बदरीनाथ द्वारा ठोस अपशिष्ट प्रबन्धन के अन्तर्गत पंचायत के 04 वार्डों (वार्ड सं0-01- बद्रीकाश्रम, 02-नरपुरी, 03-नैगणी, 04-शेषनेत्र,) में डोर-टू-डोर कूड़ा संग्रहण का कार्य पंचायत के कूड़ा वाहनों तथा पर्यावरण मित्रों के माध्यम से किया जा रहा है। नगर क्षेत्रान्तर्गत उत्पन्न होने वाले नॉन बायोडिग्रेडेबल तथा बायोडिग्रेडेबल कूड़े को डोर टू डोर के माध्यम से अलग-अलग लिया जाता है।

02-यूजर चार्जस :- नगर पंचायत बदरीनाथ द्वारा नगर क्षेत्रान्तर्गत घरों/प्रतिष्ठानों से डोर टू डोर के माध्यम से प्रयोक्ता शुल्क/यूजर चार्ज के रूप में वर्ष 2023 में रू0 459910.00 (चार लाख उनसठ हजार नौ सौ दस रू0 मात्र) की आय अर्जित की गयी। वर्ष 2024 में कपाट खुलने के उपरान्त से अतिथि तक 12000.00 (बारह हजार रू0 मात्र) की आय अर्जित की गयी है।

03-कूड़े का परिवहन :- नगर पंचायत बदरीनाथ द्वारा नगर क्षेत्र में डोर-टू-डोर कूड़ा एकत्र कर कूड़ा वाहनों तथा पर्यावरण मित्रों के माध्यम से उठाये गये कूड़े को एकत्र कर हाथ गाड़ी तथा कट्टों माध्यम से कूड़ा वाहन में डालकर कंचन गंगा के निकट नगर पंचायत के ट्रेडिंग ग्राउण्ड में ले जाकर गीले कूड़े को कम्पोस्ट पिटों के माध्यम से कम्पोस्टिंग की जाती है तथा सूखे कूड़े को कॉम्पैक्टर के माध्यम से कॉम्पैक्ट किया जा रहा है।

04-कूड़े का निपटान :- नगर पंचायत बदरीनाथ द्वारा नगर क्षेत्रान्तर्गत उत्पन्न कूड़े को सूखे कूड़े को अलग-अलग कर कॉम्पैक्ट कर पुर्नचक्रण हेतु विक्रय किया जा रहा है। नगर पंचायत बदरीनाथ द्वारा वर्ष 2023 में कुल 98.30 टन सूखे कूड़े को कॉम्पैट कर 769447.00 (सात लाख उनसत्तर हजार चार सौ सैन्तालिस रू0) मात्र की आय अर्जित की गयी। वर्ष 2024 में श्री बदरीनाथ धाम के कपाट खुलने के उपरान्त से अतिथि तक नगर पंचायत बदरीनाथ द्वारा 10 टन सूखा एवं 14 टन गीला कूड़ा एकत्र किया गया जिसमें से 10 टन सूखे कूड़े को कॉम्पैक्टर के माध्यम से कॉम्पैक्ट किया जा चुका है एवं 14 टन गीले कूड़े को कम्पोस्ट पिटों के माध्यम से कम्पोस्टिंग की जा रही है।

05-प्रचार-प्रसार/जनभागीदारी :- नगर पंचायत द्वारा समय-समय पर स्वच्छता अभियान चलाकर कूड़ा एकत्र किया जाता है, तथा नगर क्षेत्रान्तर्गत जनजागरूकता रैली एवं पेन्टिंग प्रतियोगिता, वॉल पेन्टिंग, प्रचार प्रसार, समाचार पत्रों के माध्यम से प्रचार प्रसार, होल्डिंग के माध्यम से प्रचार तथा पंचायत के वाहनों से प्रचार किया जाता है।

06-नगर पंचायत द्वारा Anti Littering - Anti Spitting act 2016 तथा प्लास्टिक अपशिष्ट प्रबन्धन के तहत किये गये चालानों का विवरण :-

क्र०सं०	Anti Littering - Anti Spitting act 2016			प्लास्टिक अपशिष्ट प्रबन्धन के तहत	
	वित्तीय वर्ष	चालानों की संख्या	वसूला गया जुर्माना	चालानों की संख्या	वसूला गया जुर्माना
01	2023-24	169	75950	08	14500
02	2024-25	08	2800	01	5000.00

अतः सूचना सादर सेवा में प्रेषित है।

भवदीय,



अधिशाली अधिकारी,
नगर पंचायत बदरीनाथ

111

कार्यालय परियोजना प्रबन्धक
निर्माण एवं अनुरक्षण इकाई (गंगा)
उत्तराखण्ड पेयजल निगम,
गोपेश्वर।



Office Of Project Manager,
Construction & Maintenance Unit (Ganga)
Uttarakhand Peyjal Nigam
Gopeshwar-246401

Email : <pmganga.gc@gmail.com>

पत्रांक	/ /	दि०	/ 05 / 2024	प्रेषण का माध्यम	ई-मेल	डाक द्वारा
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To
The Hon'ble NGT
Principal Bench
New Delhi

Subject: Regarding the submission of reply/compliance report of the order dated 16/05/2024 against the OA No.6/2023 before the 'National Green Tribunal' Principal Bench, New Delhi -Priyank Karnatak Vs State of Uttarakhand

Hon'ble NGT,

We are in receipt of the notice regarding the subject matter, issued by Consultant (Judicial), NGT through Head Office, Uttarakhand Peyjal Nigam, 11, Mohini Road, Dehradun on 27/05/2024.

Due to paucity of time, we are not in a position to file our reply/response through Learned counsel. Hon'ble tribunal is requested to grant some more time (say 15 days) for file our reply through the learned counsel.

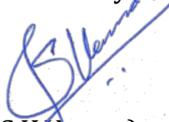
Although, we are submitting our short reply for perusal of Hon'ble Tribunal as follows :-

Sl.No.	Observations			Submission/ Compliance
1	In this Original Application the Tuibunal is considering the improper functioning of the Sewage Treatment Plant (STP) in Badrinath and also the issue of discharge of untreated sewage in river Alaknanda which ultimately forms part of river of Ganga.			All the 3 STPs located at Badrinath ji have been handed over to Uttarakhand Jal Sansthan (UJS) Gopeshwar in the month of Nov-2021 and presently operation & maintenance (O&M) of all these 3 STP's is being done by UJ.S Gopeshwar since Nov-2021. Hence the information related to this matter can be provided from UJS.
2	The Tribunal on 11.03.2024 had considered the report of UKPCB dated 22.11.2023 and had noted that for liquid waste management three STPs are established in Badrinath. The details of these STPs are :			All the 3 STPs located at Badrinath ji have been handed over to Uttarakhand Jal Sansthan (UJS) Gopeshwar in the month of Nov-2021 and presently operation & maintenance (O&M) of all these 3 STP's is being done by UJ.S Gopeshwar since Nov-2021. Hence the information related to this matter can be provided from UJS.
S.N	Name and Capacity STP	Beneficiary area	Number of Sewar connections given	
1	1.00 MLD Near Bamni Bridge	Mana Taxi Area, Nager Panchayat Area and ISBT area	127 domestic 124 Non-domestic	
2	0.26 MLD Near Bamni Village Near	Whole area from Bamni village to Main Temple	46 domestic 07 Non-domestic	

	Khak Chowk																																				
1	0.01 MLD Near Shri Badrinath Dham temple	Mana Taxi Area, Nager Panchayat Area and ISBT area	127 domestic 124 Non-domestic																																		
3	The Tribunal had noted that the results of discharge in STP were exceeding fecal coliform numbers and noted the need to properly disinfect the effluents and had also taken note of the fact that the report did not disclose about the adequacy of the two STPs particularly during the peak pilgrim season.			All the 3 STPs located at Badrinath ji have been handed over to Uttarakhand Jal Sansthan (UJS) Gopeshwar in the month of Nov-2021 and presently operation & maintenance (O&M) of all these 3 STP's is being done by UJ.S Gopeshwar since Nov-2021. Hence the information related to this matter can be provided by UJS.																																	
4	On the perusal of the response on behalf of the UKPCB dated 4 th March, 2024, we find that STPs are setup on the basis of projected population 19989 and 23578 for the base year 2017 and 2027 respectively. Though it stated that the floating population is also taken into account but, no such details have been disclosed. If the untreated sewage or improperly treated sewage is flowing in the river then the quality of water in the river is affected. No report reflecting the water quality of the river has been placed on record.			<ul style="list-style-type: none"> In Badrinath ji there are 3 S.T.P's . The design calculation for the population projection was on the basis of 2011 census. For the base year 2017 the projected population is worked out 19989 and for design year 2027 the projected population is worked 23578 in the DPR as tabulated in the following table. (relevant pages of third party appraisal report of IIT Roorkee is Attached) <table border="1"> <thead> <tr> <th>S. N.</th> <th>Design year</th> <th>Permanent Population</th> <th>Design Floating Population,</th> <th>Total Design Population</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>2017</td> <td>2,867</td> <td>17,122</td> <td>19,989</td> </tr> <tr> <td>2</td> <td>2027</td> <td>3,597</td> <td>19,981</td> <td>23,578</td> </tr> <tr> <td>3</td> <td>2032</td> <td>3,962</td> <td>21,611</td> <td>25,573</td> </tr> <tr> <td>4</td> <td>2047</td> <td>5,057</td> <td>27,217</td> <td>32,274</td> </tr> </tbody> </table> <ul style="list-style-type: none"> The following polluted Drains were also Tapped and diverted to STPs for treatment under Namami Gange Programme. <table border="1"> <thead> <tr> <th>S.N.</th> <th>DRAIN</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Manav Kalyan Ashram Drain</td> </tr> <tr> <td>2</td> <td>Iron bridge to mandir drain</td> </tr> <tr> <td>3</td> <td>BSNL Drain</td> </tr> </tbody> </table>	S. N.	Design year	Permanent Population	Design Floating Population,	Total Design Population	1	2017	2,867	17,122	19,989	2	2027	3,597	19,981	23,578	3	2032	3,962	21,611	25,573	4	2047	5,057	27,217	32,274	S.N.	DRAIN	1	Manav Kalyan Ashram Drain	2	Iron bridge to mandir drain	3	BSNL Drain
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		4	Raturi Drain
		5	Pindadaan Ghat Drain
		6	Bamni Drain
			<ul style="list-style-type: none"> The water quality test of the river is done by UKPCB.
5	The media report dated 14-05-2024 in Times fo India mentions about very heavy foot fall of pilgrims in the current season.	-	
6	Learned Counsel for UKPCB has submits that now the yatra season has started therfor, fresh report will be submitted within 10 days. In that report the UKPCB will disclose; (i) the foot fall in last one week, (ii) if the existing facility of treatment of septage/sewage is sufficient for the current foot fall (iii) connectivity and the capacity utilization of the existing STP (iv) water quality analysis of the river Alaknanda at the points of discharge of sewage (v) status of draina and nature/quality of water they are carrying and (vi) details of status of solid waste near the inhabitation as also the processing facility available in the area concerned for Municipal Solid Waste.		Related to UKPCB
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Yours truly



(S.K.Verma)

Project Manager

CC to following information & necessary action please:

- 1) Chief Engineer(HQ),Uttarakhand Peyjal Nigam,Dehradun in compliance of their letter no.305/anu.-Court case Sa./179 Dated 25/05/2024.
- 2) General Manager,Construction Circle(Ganga),Uttarakhand Peyjal Nigam,Haridwar

Project Manager

Email : <pmganga.gc@gmail.com>

पत्रांक 686 / पी-1 / 22	दि 22 / 05 / 2024	प्रेषण का माध्यम	ई-मेल	डाक द्वारा
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cc/LBCI

↓
AMCJ
25-5-24

सेवा में,

जिलाधिकारी,
चमोली।

विषय:-

मा0 एन0जी0टी0 नई दिल्ली में योजित मूल आवेदन संख्या-06/2023 प्रियांक कर्नाटक बनाम उत्तराखण्ड राज्य में निर्णित आदेश दिनांक 16.05.2024 की अनुपालन आख्या मा0 एन0जी0टी0 में दाखिल किये जाने के सम्बन्ध में।

महोदय,

उपरोक्त विषयक आपके कार्यालय पत्रांक 4173/इक्कीस-एल0बी0पी0-1/2022-23, दिनांक गोपेश्वर 22.05.2024 के साथ संलग्न मा0 एन0जी0टी0 नई दिल्ली में योजित मूल आवेदक सं0-06/2023 प्रियांक कर्नाटक बनाम उत्तराखण्ड राज्य एवं अन्य में निर्णित आदेश दिनांक 16.05.2024 का पत्र में उल्लिखित बिन्दुओं की पर आख्या निम्नानुसार है :-

क्र0 सं	बिन्दु	आख्या	
1	In this Original Application the Tuibunal is considering the improper functioning of the Sewage Treatment Plant (STP) in Badrinath and also the issue of discharge of untreated sewage in river Alaknanda which ultimately forms part of river of Ganga.	All S.T.P's situated in the Badrinath ji have been handed over to U.J.S Gopeshwar, Hence the information related to this matter can be obtained from U.J.S.	
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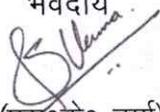
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संलग्न :- उपरोक्तानुसार।

भवदीय

 (एस0के0 वर्मा)
 परियोजना प्रबन्धक

पृ0सं0 एवं दिनांक उपरोक्तानुसार
 प्रतिलिपि :-

1. महाप्रबन्धक, निर्माण मण्डल (गंगा), उत्तराखण्ड पेयजल निगम हरिद्वार।
2. अधीक्षण अभियन्ता, उत्तराखण्ड जल संस्थान, गोपेश्वर-चमोली।
3. परियोजना प्रबन्धक (विद्युत/यांत्रिक), निर्माण एवं अनुरक्षण इकाई (गंगा), उत्तराखण्ड पेयजल निगम, हरिद्वार।
4. अधिशासी अभियन्ता, उत्तराखण्ड जल संस्थान, गोपेश्वर-चमोली।
5. उत्तराखण्ड प्रदूषण नियंत्रण बोर्ड, गौरादेवी पर्यावरण भवन, 46-बी, आई0टी0 पार्क, सहस्त्रधारा रोड़ देहरादून।


 परियोजना प्रबन्धक

*Appraisal
of*

*Detailed Project Report for
Pollution Abatement Works for River Alaknanda
at Badrinath, Uttarakhand*

*Submitted to
National Mission for Clean Ganga,
Ministry of Water Resources, River Development and Ganga
Rejuvenation*

by Government of Uttarakhand

for

**Government of India,
Ministry of Water Resources, River Development
and Ganga Rejuvenation,
New Delhi**

By



**Alternate Hydro Energy Centre,
Indian Institute of Technology Roorkee**

Jan 2017

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by Government of Uttarakhand

for

**Government of India,
Ministry of Water Resources, River Development
and Ganga Rejuvenation,
New Delhi**

By

**Alternate Hydro Energy Centre,
Indian Institute of Technology Roorkee**

Jan 2017

them to proposed sewage treatment plants for treatment and allow only treated sewage to be discharged into the Ganga. Part B would include 100 % coverage of the town by sewer network.

3.4.1 Sewerage Zones

Based on river Alaknanda, the town was divided in 2 sewerage zones, Mandir Marg (Right Bank of river) and Motor Marg (Left Bank of river). It was further sub divided into 5 sub zones, Mandir Marg into Sub Zones 1 and 2 and Motor Marg into Sub Zones 3, 4 and 5.

Based on topography and hilly terrain of the town, a decentralized approach for sewage collection and treatment has been adopted. Two STPs have been proposed, one in each zone.

3.4.2 Design Period

Design periods, in the DPR, have been assumed as under table 7.

Table 7: Design Periods Adopted in the DPR

S. No.	Component	Design Period (Years)
1.	Land acquisition	30
2.	Sewerage Network	30
3	Sewage Pumping Stations (Civil Works)	30
4	Sewage Pumping Stations – (E&M Works)	15
5	Sewage Treatment Plants	10
6	Rising Mains	30
7	Effluent disposal	30

Source: Para 2.2.1 of DPR

Comments: The design periods are in order, except in case of STPs for which the design period, as per CPHEEO Manual (Nov. 2013), is 15 years.

3.4.3 Population

a. Census Population

The census data of the town for the past decades is reproduced in table 8 below:

Table 8: Census Data of Badrinath

S. NO.	Census Year	Population	Population Growth	Decadal Growth (%)
1	1991	978		
2	2001	1682	704	72%
3	2011	2438	756	45%

Source: Para 1.3.1 of DPR

b. Institutional Population

There are no major institutions in the town.

c. Floating Population

Badrinath being an important tourist destination on the main Char Dham Yatra route, the floating population of the town is several times the resident population during the tourist season. As per the information collected from the office of District Tourist Development and Badrinath Action Plan (2025), past tourist flow has been as per table 9.

Table 9: Past Tourist Flow

2001	2002	2003	2004	2005	2009	2010	2011
4,22,647	4,48,517	5,80,913	4,93,914	5,66,524	7,98,063	9,21,256	9,35,680

Source: (Para 2.3.2 of DPR)

Major portion of the tourist population spends a day during their visit to Badrinath.

d. Projected Population

Base year has been adopted as 2017 and future population projections of the town for the years 2017, 2027, 2032 and 2047 based on past census population data, have been carried out by a number of methods and those adopted is tabulated in table 10. The population distribution has also been carried out at micro level for individual wards depending upon the growth potential of individual wards.

Table 10: Projected Population of the Town

S. NO.	Design year	Permanent Population	Design Floating Population,	Total Design Population
1	2017	2,867	17,122	19,989
2	2027	3,597	19,981	23,578
3	2032	3,962	21,611	25,573
4	2047	5,057	27,217	32,274

Source: Para 2.3.3.1 and page 66 of DPR

The design population has also been divided in 5 sub zones, as per table 11.

Table 11: Projected Population of the Town - Sewerage Zone wise

Sub Zone	Projected Population			
	2017	2027	2032	2047
Zone 1				
Sub zone 2	4,099	4,664	4,981	6,058
Zone 2				
Sub Zone 1	586	666	712	865
Sub Zone 2	8,417	10,036	10,934	13,943
Sub Zone 3	995	1,186	1,292	1,648
Sub Zone 4	5,892	7,026	7,654	9,760
Sub total Zone 2	15,890	18,914	20,592	26,216
Grant Total	19,989	23,578	25,573	32,274

Source: Para 2.5.2 of DPR

*Appraisal
of*

***Detailed Project Report for
Pollution Abatement Works for River Alaknanda
at Badrinath, Uttarakhand***

Submitted to
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Source: Para 2.5.2 of DPR