

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



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

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पत्रांक	850 / पी-1 / 28,	दि 25 / 06 / 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 31/05/2024 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 order regarding the subject matter, issued by Consultant (Judicial), NGT.

We are submitting our reply for perusal of Hon'ble Tribunal as follows :-

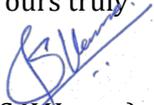
Sl.No.	Observations	Submission/ Compliance
1.	In this Original Application. The Tribunal is considering the issue of improper functioning of the Sewage Treatment Plant in in Badrinath and also the issue of discharge of untreated sewage in river Alaknanda. The Tribunal by order dated 16.05.2024 had directed the UKPCB to disclose the details as contained in paragraph 6 of the order as under:- "6. Learned Counsel for the UKPCB submits that now the yatra season has started therefore, 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 drains 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."	Pertaining to UKPCB

2.	The report date 29-05-2024 has been filed by the UKPCB. On perusal thereof, it is noticed that the number of visitors who have visited Badrinath Dham per day from 12-05-2024 to 25-05-2024 has been disclosed. The UKPCB is required to disclose if any system of registration of the visitors, is existing and if the details of their entry and exit from Badrinath is recorded. So far as the STP position is concerned, the report discloses as under :-		Pertaining to UKPCB
क्र०सं०	एस०टी०पी० नाम	क्षमता (MLD)	अभियुक्ति
1	निकट बामणी झूला पुल	1.00	इस एस०टी०पी० से अलकनंदा नदी के बाये छोर स्थित होटलों, रेस्टोरेंट, धर्मशालाओं, कार्यालयों एवं प्रतिष्ठानों के कुल 226 सीवर संयोजन (94) घरेलू तथा 132 अघरेलू) के साथ-साथ 03 ड्रेन क्रमशः साकेत ड्रेन, बी०एस०एन०एल० ड्रेन एवं रतूडी ड्रेन संयोजित है। वर्तमान में इस एस०टी०पी० में 1.00 एम०एल०डी० क्षमता के सापेक्ष 0.70 एम०एल०डी० सीवेज प्राप्त हो रहा है।
2	निकट बद्रीनाथ मन्दिर	0.01	सीवेज पम्पिंग स्टेशन से संयोजित बहमकपाल मार्ग स्थित बहमकपाल ड्रेल तथा साधूसूधा 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। मिनी पम्पिंग स्टेशन के माध्यम से इस एस०टी०पी० से संयोजित किया गया है। इस एस०टी०पी० को वर्तमान में 0.01 एम०एल०डी० क्षमता के सापेक्ष कोई सीवेज प्राप्त नहीं हो रहा है।
3	निकट बामणी गांव	0.26	इस एस०टी०पी० से अलकनंदा नदी के दाये छोर स्थित धर्मशालाओं एवं व्यक्तिगत आवासों के कुल 78 सीवर संयोजन के साथ-साथ बामणी ड्रेन संयोजित है। वर्तमान में इस एस०टी०पी० को 0.26 एम०एल०डी० क्षमता के सापेक्ष लगभग 0.15 एम०एल०डी० सीवेज प्राप्त हो रहा है का जल नमूना एकत्र किया गया।

3.	<p>A perusal of the above chart reveals that three STPs exist, out of which one STP of 0.01 MLD capacity is not receiving any sewage and another STP of 0.26 MLD capacity is under-utilized as it is receiving only 0.15 MLD sewage. We also find that the Bramhakapal drain and Panda Gully drain are not connected with the STP. As per the report of the UKPCB, the water samples which have been collected from the spots disclosed in paragraph 4 of the report, have been sent to the Central Laboratory and the result is awaited. Further, results of water quality of river Alaknanda (Upstream and Downstream) and of drains, is not disclosed. Hence, in the next report, water sample analysis report of river, drains and of STPs will also be enclosed.</p>	<p>Pertaining to UKPCB</p>
4.	<p>We have not got satisfactory response on siting and location of STP which appear to be just on the bank of river and thereby discharging effluent directly to river along with other drains.</p>	<p>This is to mention regarding siting and location of STP that as per the mandate of hon'ble NGT all the polluted drains have to be tapped and their discharge to be treated before falling into the river, the drains can only be tapped at lowest points near the bank of River as the houses, Hotels, restaurants are situated in the Badrinath town are upto the bank of the river and contributes to the pollution of the drains till the end where they fall in to the river therefore they can only be tapped just before they fall into the river and it makes it inevitable to construct the STPs just near the bank of the River.</p> <p>As far as the discharge of treated effluent into the river is concerned, there is not even the possibility of reuse of treated effluent in the town due to its Geographical topography, which makes it highly expensive and impractical, therefore the treated effluent is discharged from STP into the river.</p>

5.	In respect of the Solid Waste Management, the full particular relating to per day generation of solid waste, the extent of capacity available to treat it, the manner of its treatment and utilization and also the existing gap along with the existing legacy waste has not been disclosed. Hence, the UKPCB is directed to disclose these details in the next report. In the next report, the UKPCB will also disclose the relevant figures relating to carrying capacity of Badrinath Dham in reference to visitors per day and if the entry of the visitors is permitted in commensurate with the carrying capacity. The next report will also disclose the complete sewage network in the Badrinath Dham and the details of the drain which are connected with the STP and which are directly discharging the sewage in river Alaknanda.	<p>The complete sewerage network in the Badrinath Dham is 5.115 Km. (completion map attached).</p> <p>The following polluted Drains were also Tapped and diverted to STPs for treatment under Namami Gange Programme. (attached)</p> <table border="1" data-bbox="1049 361 1516 835"> <thead> <tr> <th>S. N</th> <th>DRAIN</th> <th>Flow diverted / proposed to be diverted to which</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Manav Kalyan Ashram Drain</td> <td>STP 2 (1.00 MLD)</td> </tr> <tr> <td>2</td> <td>Iron bridge to mandir drain</td> <td>STP 2 (1.00 MLD)</td> </tr> <tr> <td>3</td> <td>BSNL Drain</td> <td>STP 2 (1.00 MLD)</td> </tr> <tr> <td>4</td> <td>Raturi Drain</td> <td>STP 2 (1.00 MLD)</td> </tr> <tr> <td>5</td> <td>Pindadaan Ghat Drain</td> <td>STP 2 (1.00 MLD)</td> </tr> <tr> <td>6</td> <td>Bamni Drain</td> <td>STP 1 (0.26 MLD)</td> </tr> </tbody> </table>	S. N	DRAIN	Flow diverted / proposed to be diverted to which	1	Manav Kalyan Ashram Drain	STP 2 (1.00 MLD)	2	Iron bridge to mandir drain	STP 2 (1.00 MLD)	3	BSNL Drain	STP 2 (1.00 MLD)	4	Raturi Drain	STP 2 (1.00 MLD)	5	Pindadaan Ghat Drain	STP 2 (1.00 MLD)	6	Bamni Drain	STP 1 (0.26 MLD)
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6.	Let the fresh report in terms of the above observations be filed by the UKPCB and by the UK Pey Jai Nigam within four weeks by e-mail at judicial-ngt@gov.in preferably in the form of searchable PDF/ OCR Support PDP and not in the form of Image PDF.	-																					
7.	List on 02.08.2024	-																					

Yours truly


(S.K.Verma)
Project Manager

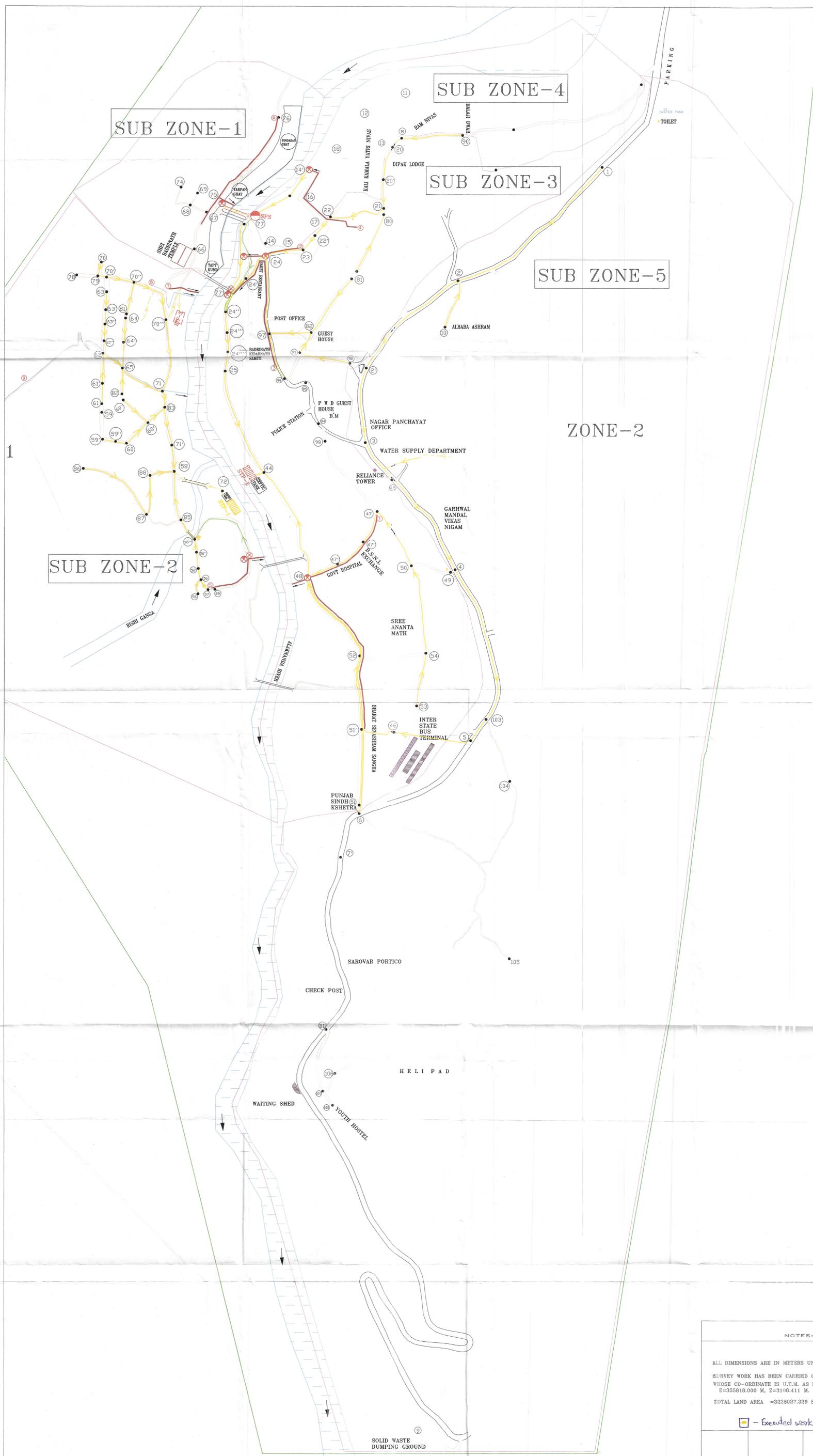
CC to following information & necessary action please:

- 1) Chief Engineer(HQ),Uttarakhand Peyjal Nigam,Dehradun.
- 2) General Manager,Construction Circle(Ganga),Uttarakhand Peyjal Nigam,Haridwar.
- 3) Executive Engineer (Vidhi), Uttarakhand Peyjal Nigam,Dehradun.
- 4) Anjali Rajput, Advocate Panel Counsel for State of Uttarakhand Chamber No. 136 New Lawyers Chambers, New Delhi-110001.

Project Manager

OFFICE OF THE PROJECT MANAGER, CONSTRUCTION & MAINTENANCE UNIT (GANGA), UTTARAKHAND PEYJAL NIGAM, GOPESHWAR

Sl	Name of Town	Name of Nala	Out Fall Body	Discharge (In lpm)	Coordinates (Longitude and Latitude)				Chemical Parameters before tapping and treatment					Going to Which STP
					Up stream		Down Strem		pH	BOD	COD	TSS	Fecal Coliform	
1	Badrinath	1- BSNL Drain	River Alaknanda	48	30°44'20.18"N	79°29'38.23"E	30°44'26.60"N	79°29'34.70"E	7.6	42 Mg/l	130 Mg/l	68 Mg/l	4.8 X 10 ² MPN/100 ml	STP-2 (2.57 MLD)
		2- Manav Kalyan Ashram Drain		243	30°44'38.13"N	79°29'35.59"E	30°44'41.55"N	79°29'31.61"E	6.9	33 Mg/l	100 Mg/l	62 Mg/l	4.2 X 10 ³ MPN/100 ml	
		3- Iron Bridge to Mandir Drain		28	30°44'36.32"N	79°29'33.23"E	30°44'39.64"N	79°29'30.47"E	7.0	510 Mg/l	1200 Mg/l	262 Mg/l	2.2 X 10 ³ MPN/100 ml	
		4- Raturi Drain		42	30°44'41.81"N	79°29'36.54"E	30°44'44.80"N	79°29'34.26"E	6.9	29 Mg/l	100 Mg/l	70 Mg/l	2.7 X 10 ³ MPN/100 ml	
		5- Bamni Drain		14	30°44'26.20"N	79°29'30.18"E	30°44'27.92"N	79°29'32.90"E	7.0	50 Mg/l	160 Mg/l	176 Mg/l	3.8 X 10 ⁴ MPN/100 ml	STP-1 (0.52 mld)
		6- Pindadaan Ghat Drain		7	30°44'42.30"N	79°29'29.11"E	30°44'43.10"N	79°29'30.81"E	7.2	33 Mg/l	90 Mg/l	48 Mg/l	3.3 X 10 ² MPN/100 ml	



LEGEND

SL. NO.	DESCRIPTION	SYMBOL
1	NAGAR PALIKA PARISHAD BOUNDARY	[Symbol]
2	ROAD	[Symbol]
3	CONCRETE ROAD/FOOT TRACK	[Symbol]
4	BRIDGE	[Symbol]
5	PROPOSED BRIDGE	[Symbol]
6	RIVER	[Symbol]
7	NODE WITH NODE NO.	[Symbol]
8	WARD BOUNDARY WITH NO.	[Symbol]
9	SEWERAGE ZONE WITH ZONE No.	[Symbol]
10	NALA/DRAIN (Polluted)	[Symbol]
11	NATURAL WATER SOURCE DRAIN	[Symbol]
12	SEWAGE PUMPING STATION	[Symbol]
13	RISING MAIN LAID UNDER NGRBA	[Symbol]
14	RISING MAIN LAID UNDER NGP	[Symbol]
15	SEWER LINE LAID UNDER NGRBA	[Symbol]
16	CARRIER LINE LAID UNDER NGP	[Symbol]
17	SEWER TREATMENT PLANT UNDER NGP	[Symbol] STP-2
18	NALA TAPPING	[Symbol]
19	DRAIN/NALA NO	[Symbol]
20	SEWER TREATMENT PLANT (Under NGRBA)	[Symbol] STP-1
21	COLLECTION SUMP	[Symbol]

NOTES:-

ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE STATED

SURVEY WORK HAS BEEN CARRIED OUT FROM STATION POINT 'A1' WHOSE CO-ORDINATE IS U.T.M. AS N=3402137.000 M, E=355818.000 M, Z=3108.411 M.

TOTAL LAND AREA = 3229027.329 Sqm./3.228 Sqkm

[Symbol] - Excluded work

Office of the Project Manager,
Construction & Maintenance unit
(Ganga), Uttarakhand Pejal Nigam,
Gopeshwar.

Name of Project :- **Interception & Diversion (I&D) at Badrinath Scheme**

Title : **Completion Plan** of Badrinath Interception & Diversion (I&D)

PROJECT MANAGER
Ganga & Nandi, Unit (Ganga)
Uttarakhand Pejal Nigam
Gopeshwar (Uttarakhand)