

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

INDEX

IN

Compliance Affidavit

in

Original Application No. 06 of 2023

Priyank Karnatak Petitioner

Versus

State of Uttarakhand & Ors.

Respondents

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R. Karnatak

	maximum sewage generation and treatment capacity available at Badrinath Dham.)	
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Date: November,2024

Place: Dehradun

Anjali

Adv Anjali Rajput
9811777369
advanjali.rajput@gmail.com



Rawat

Uttarakhand & Ors.in para 7 of the order dated 02.08.2024 was pleased to direct as under;

“

7. In the circumstances of the case, we require the Secretary, Environment, State of Uttarakhand alongwith Secretary, Urban Development to appear virtually on the next date of hearing and explain in respect of the steps which have been taken for compliance of the order of the Hon'ble Supreme Court in the case of ParyavaranSurakshaSamiti (supra) and also clarify quantity of sewage generation daily considering tourists who stay daily and native population.

.....”

3. That in compliance of order dated 02.08.2024 the Secretary Urban Development was present before the Hon'ble Tribunal on 13.11.2024. When the matter was heard on 13.11.2024 the Hon'ble tribunal was pleased to direct:

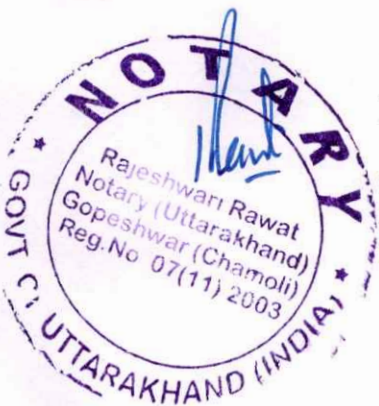
“

7. The Secretary, Urban Development and the Counsel for the State of U.P. sought a week's time to place relevant material on record.

”



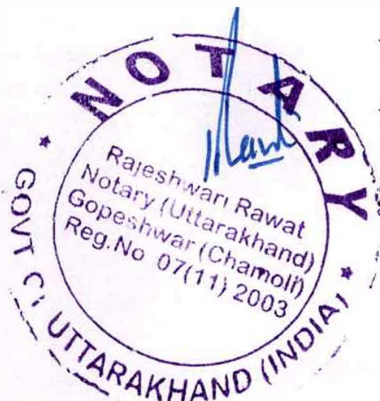
4. That there are 3 Nos. of STPs constructed vid. 0.26 MLD under National Ganga River Basin Authority Program and 1.0 MLD capacity near Suspension Bridge & 0.01 MLD capacity near Temple along with interception & Diversion of 06 no. of drains to these STPs under Namami Gange Program.
5. That out of these 3 Nos. of STPs 0.01 MLD capacity STP and 1.0 MLD capacity STP are operational whereas 0.26 MLD STP is presently shutdown due to damage of STP premises from Alaknanda River and presently its discharge is diverted into 1 MLD STP through Pumping Station.
6. That all the above 03 STPs i.e., 0.26 MLD STP, 1.0 MLD STP and 0.01 MLD STP were constructed considering the base year 2017 and the design year 2032 and commissioned in November 2017, August 2020 and November 2019 respectively.
7. That all the STPs were under operation and maintenance by Uttarakhand Peyjal Nigam up to May2021 and since then are under operation and maintenance by Uttarakhand Jal Sansthan (UJS) and it is pertinent to mention that there is no leakage at present from STPs as confirmed by Uttarakhand Jal Sansthan (UJS).
8. That the Population as per the actual head count by Nagar Panchayat Badrinath, considered as permanent population is 3470 which includes the staff working in hotels and dharmshalas. In this connection copy of report of Status of



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SWM plant, Badrinath and Population is being marked and filed as **Annexure No. 1** to this affidavit.

9. The actual number of maximum tourist population that visited Badrinath Dham in a particular day in 2024 is recorded as 28055 (15327 male+11460 female+1268 Children) on 19.05.2024 as per the records of Nagar Panchayat, Badrinath. In this connection a tabular chart showing number of pilgrims that visited Badrinath Dham from 12.05.2024 to 05.11.2024 is being marked and filed as **Annexure No.2** to this affidavit.
10. The maximum capacity for stay of tourists at Badrinath Dham is only 10419 (Annexure-3), therefore the maximum no. of tourists not staying at Badrinath Dham is 17636. In this connection a tabular chart showing number of Hotels, Dharamshalas, Lodges and Ashrams in Badrinath and their rooms along with accommodation capacity is being marked and filed as **Annexure No. 3** to this affidavit.
11. That the number of domestic Sewer connections as on date as per UJS record is 173 and 132 number of Hotels/Dharamshalas are connected with existing sewerage network, whereas 135 number of domestic connections are those households where sewage connection is not possible and they have their septic tanks and soak-pits. In this connection, current status of sewage treatment plants is being marked and filed as **Annexure No. 4** to this affidavit.



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12. That as per the data provided by Uttarakhand Jal Sansthan, the present water supply rate for permanent population is 70 lpcd and according to the latest CPHEEO Manual, the rate of water consumption for the tourist population staying overnight is 45 lpcd, whereas the rate of water consumption for the tourist population not staying overnight is 15 lpcd. In this connection, copy of manual issued by Ministry of Housing and Urban Affairs, Government of India is being marked and filed as **Annexure No. 5** to this affidavit.

13. Considering the above data the sewage generation available for treatment by the permanent population is only 0.156 MLD, sewage generation by the tourists staying at Badrinath Dham is 0.375 MLD and rest of the population not staying at Badrinath Dham i.e. 17636 no. of people (28055-10419) is only 0.212 MLD, therefore maximum expected sewage generation per day available for treatment in Badrinath Dham is only 0.743 MLD (0.156+0.375+0.212 MLD). In this connection, chart showing calculation for comparison between the maximum sewage generation and treatment capacity available at Badrinath Dham is being marked and filed as **Annexure No. 6** to this affidavit.

14. That a chart showing drain details in Badrinath Dham is being marked and filed as **Annexure No. 7** to this affidavit.

15. That copy of the status report of Econ Laboratory and Consultancy showing treated effluent parameters is being marked and filed as **Annexure No. 8** to this affidavit.



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- 16. That it is also pertinent to mention that most of the tourists take bath in 'TaptaKund' at Badrinath Dham which also reduces the quantity of uses of piped water supplied for bathing purpose.
- 17. That hence, the designed capacity is sufficient to meet the present requirements of sewage treatment for the present permanent population and floating population at Badrinath Dham.
- 18. That the deponent is a responsible Government servant having the highest regard for the Hon'ble Tribunal and orders passed by them. The deponent has always made his sincerest efforts to carry out the orders passed by this Hon'ble Tribunal in its letter and spirit and shall continue to do so in the future.



[Handwritten Signature]
Deponent

....., Advocate, do hereby declare that the person making this affidavit and alleging himself to beis the same person who is known to me from the papers produced by him before me in this case.

certified that Shri/Sri...
the deponent is identified By...
sworn & Verified the Contents of the
Affidavit...
[Signatures]
Rajeshwari Rawat
Advocate & Notary
Gopeshwa (Chamoli)
Reg. No. 07(11)/2003

.....
Advocate

Enroll. No.

[Handwritten Signature]

Solemnly affirmed before me on this day of November, 2024 at Chamoli at about AM/PM by the deponent who has been identified by the aforesaid person. I have satisfied myself by examining the deponent who understood the contents of this affidavit.

The person has signed in my presence on the affidavit.

Notary



certified that Sh./Sri. Sandeep Tiwari
the deponent is identified By
sworn & Verified the Contents of the
Affidavit Gopeshwar 28/11/2024

Rajeshwari Rawat
Advocate & Notary
Gopeshwar (Chamoli)
Reg. No 07(11)/2003
28/11/2024

[Handwritten signature]

**Urban Development Department, Uttarakhand
Compliance of Solid Waste Management Rules 2016 and Plastic Waste
Management Rules 2016**

1. General Information

- ULB - Nagar Panchayat - Badrinath
- Population (as per 2011 census) - 2438,
- Current Population - **3470**
- Floating Population - **7335** Per day average (Total **1298297** tourist visited till 04-11-2024, current tourism session with highest footfall of **28055 on 19-05-2024**)

2. Status of Human Resource

- Total number of Paryavaran Mitra - 65
- Permanent Paryavaran Mitra - 0
- Environment Supervisor - 03

3. Status of SWM/PWM

- Total Waste generation - 1.1 TPD (ton per day).
during Chardham Yatra - 2 TPD
- Processing - 1.1 TPD (2 TPD)
- Total income by selling plastic - Rs. 6.15 lacs
- DPR Cost - Rs. 1.58 Cr. (project completed and functional)
- Plastic Compactor - 01 no. and MRF- 01 no. (for segregation of dry waste components)
- Processing Facility - **Organic Waste Composter- 01** and **Nadep Pit- 10 no.** (for processing of organic waste); **Plastic Compactor - 01 no.** and **MRF- 01 no.** (for segregation of dry waste components)



Nadep Pits (10 no.)

MRF (Material Recovery Facility)



Plastic Compactor, Badrinath

Solid Waste Management Plant at Badrinath, Chamoli

4. **Status of Sanitation/Toilets**

- Total Temporary Toilets - 12
- Disposal Mechanism - All toilets are connected with sewerage system/line.
- Operation and Maintenance - 04 toilets are maintained by ULB & 08 by Sulabh International



5. **Status of New Initiatives Deposit Refund System (DRS)**

Badrinath has a diverse population that includes urban and suburban residents. The town is a famous tourist spot with high footfall every year. The demographic consists of a significant number of students, professionals, tourists, and local businesses, making it an ideal location for implementing innovative waste management solutions like the digital DRS.

Focusing on this urban locality, digital DRS aims to address the waste management challenges in a rapidly growing city. It ensures efficient collection and recycling of PET bottles and other recyclable materials. The initiative also engages the local community, promoting responsible waste disposal practices and environmental awareness.

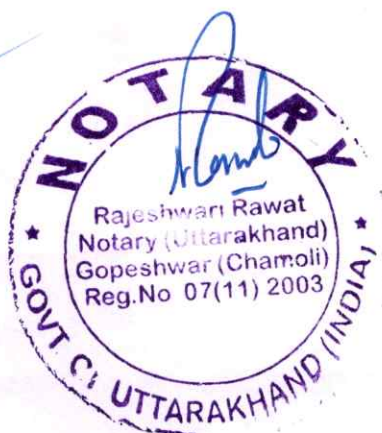
• **DRS Progress Status -**

Total QR provided on plastic bottle/tetra pack is 123950

Out of above 98743 Bottles/Tetra Pack (80%) with QR returned for recycling.

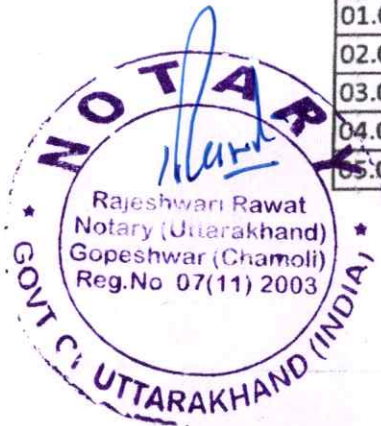
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अधिकाारी
नगर पंचायत
बदरीनाथ



बद्रीनाथ धाम में आये यात्रियों का विवरण (दिनांक 12 मई, 2024 से वर्तमान तक)

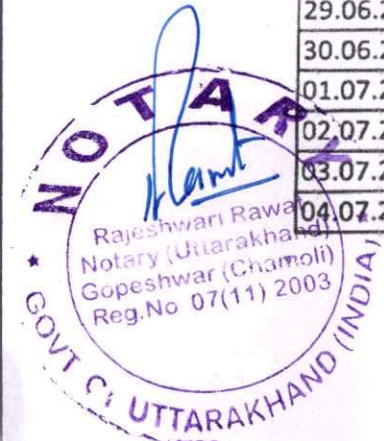
प्रतिदिन धाम में आये यात्रियों का विवरण					धाम में आये यात्रियों का प्रगतिशील योग			
दिनांक	पुरुष	महिला	बच्चे	कुल योग	पुरुष	महिला	बच्चे	कुल योग
12.05.2024	14068	7033	1589	22690	14068	7033	1589	22690
13.05.2024	4322	1702	466	6490	18390	8735	2055	29180
14.05.2024	5861	3202	1061	10124	24251	11937	3116	39304
15.05.2024	4027	1916	390	6333	28278	13853	3506	45637
16.05.2024	7708	3572	951	12231	35986	17425	4457	57868
17.05.2024	7691	4749	587	13027	43677	22174	5044	70895
18.05.2024	12283	7992	1532	21807	55960	30166	6576	92702
19.05.2024	15327	11460	1268	28055	71287	41626	7844	120757
20.05.2024	10474	7620	805	18899	81761	49246	8649	139656
21.05.2024	11051	6718	916	18685	92812	55964	9565	158341
22.05.2024	11884	7535	761	20180	104696	63499	10326	178521
23.05.2024	10569	7187	660	18416	115265	70686	10986	196937
24.05.2024	13720	7866	1505	23091	128985	78552	12491	220028
25.05.2024	11744	7531	956	20231	140729	86083	13447	240259
26.05.2024	9872	6276	1168	17316	150601	92359	14615	257575
27.05.2024	11884	7237	702	19823	162485	99596	15317	277398
28.05.2024	5550	4102	362	10014	168035	103698	15679	287412
29.05.2024	7177	4664	635	12476	175212	108362	16314	299888
30.05.2024	11519	7933	1433	20885	186731	116295	17747	320773
31.05.2024	9947	6863	799	17609	196678	123158	18546	338382
01.06.2024	10419	8120	852	19391	207097	131278	19398	357773
02.06.2024	13904	6614	751	21269	221001	137892	20149	379042
03.06.2024	6752	4355	913	12020	227753	142247	21062	391062
04.06.2024	7771	5595	595	13961	235524	147842	21657	405023
05.06.2024	9110	6357	549	16016	244634	154199	22206	421039



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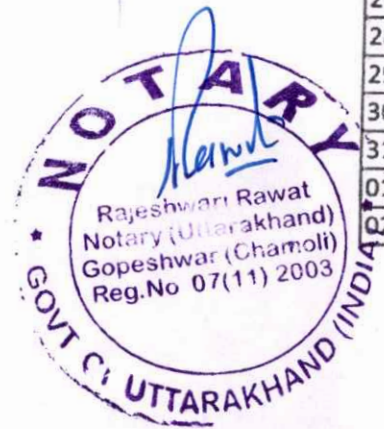
06.06.2024	8949	7238	771	16958	253583	161437	22977	437997
07.06.2024	8180	6861	656	15697	261763	168298	23633	453694
08.06.2024	10982	6421	968	18371	272745	174719	24601	472065
09.06.2024	9464	6438	807	16709	282209	181157	25408	488774
10.06.2024	9299	6880	982	17161	291508	188037	26390	505935
11.06.2024	7066	4282	397	11745	298574	192319	26787	517680
12.06.2024	13757	9632	1241	24630	312331	201951	28028	542310
13.06.2024	9552	6756	955	17263	321883	208707	28983	559573
14.06.2024	8811	5902	769	15482	330694	214609	29752	575055
15.06.2024	10138	6880	545	17563	340832	221489	30297	592618
16.06.2024	11829	7152	843	19824	352661	228641	31140	612442
17.06.2024	11569	8125	997	20691	364230	236766	32137	633133
18.06.2024	10313	7141	894	18348	374543	243907	33031	651481
19.06.2024	9007	6313	794	16114	383550	250220	33825	667595
20.06.2024	9256	7338	833	17427	392806	257558	34658	685022
21.06.2024	7623	5263	858	13744	400429	262821	35516	698766
22.06.2024	10078	6144	1041	17263	410507	268965	36557	716029
23.06.2024	8863	4968	714	14545	419370	273933	37271	730574
24.06.2024	8192	4408	669	13269	427562	278341	37940	743843
25.06.2024	8758	4621	627	14006	436320	282962	38567	757849
26.06.2024	8108	4747	603	13458	444428	287709	39170	771307
27.06.2024	8191	4195	567	12953	452619	291904	39737	784260
28.06.2024	9379	4785	726	14890	461998	296689	40463	799150
29.06.2024	6339	2519	536	9394	468337	299208	40999	808544
30.06.2024	7418	3865	560	11843	475755	303073	41559	820387
01.07.2024	5108	2933	423	8464	480863	306006	41982	828851
02.07.2024	5002	2830	300	8132	485865	308836	42282	836983
03.07.2024	2058	803	135	2996	487923	309639	42417	839979
04.07.2024	3404	1755	165	5324	491327	311394	42582	845303



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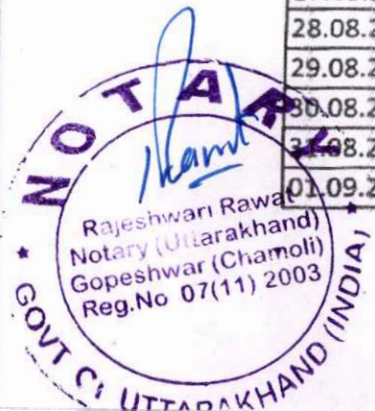
05.07.2024	1908	1236	98	3242	493235	312630	42680	848545
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07.07.2024	0	0	0	0	494765	313589	42769	851123
08.07.2024	1902	686	52	2640	496667	314275	42821	853763
09.07.2024	265	126	14	405	496932	314401	42835	854168
10.07.2024	340	83	5	428	497272	314484	42840	854596
11.07.2024	547	207	15	769	497819	314691	42855	855365
12.07.2024	539	328	30	897	498358	315019	42885	856262
13.07.2024	1264	598	55	1917	499622	315617	42940	858179
14.07.2024	994	644	54	1692	500616	316261	42994	859871
15.07.2024	1432	647	55	2134	502048	316908	43049	862005
16.07.2024	474	157	14	645	502522	317065	43063	862650
17.07.2024	1177	485	52	1714	503699	317550	43115	864364
18.07.2024	783	361	28	1172	504482	317911	43143	865536
19.07.2024	1123	439	26	1588	505605	318350	43169	867124
20.07.2024	1120	650	280	2050	506725	319000	43449	869174
21.07.2024	350	120	10	480	507075	319120	43459	869654
22.07.2024	372	56	20	448	507447	319176	43479	870102
23.07.2024	643	295	14	952	508090	319471	43493	871054
24.07.2024	878	404	6	1288	508968	319875	43499	872342
25.07.2024	1033	245	27	1305	510001	320120	43526	873647
26.07.2024	1312	410	26	1748	511313	320530	43552	875395
27.07.2024	1055	141	20	1216	512368	320671	43572	876611
28.07.2024	1814	312	66	2192	514182	320983	43638	878803
29.07.2024	1026	420	101	1547	515208	321403	43739	880350
30.07.2024	370	92	8	470	515578	321495	43747	880820
31.07.2024	2065	509	31	2605	517643	322004	43778	883425
01.08.2024	622	291	24	937	518265	322295	43802	884362
02.08.2024	1477	540	35	2052	519742	322835	43837	886414



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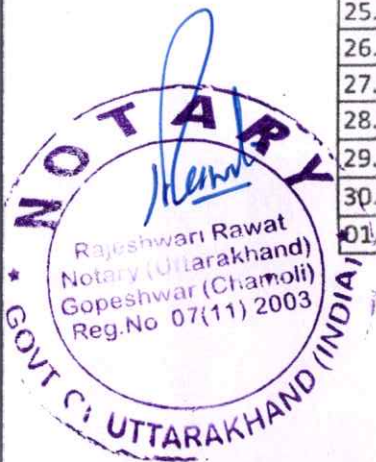
03.08.2024	1436	593	51	2080	521178	323428	43888	888494
04.08.2024	847	385	43	1275	522025	323813	43931	889769
05.08.2024	950	481	35	1466	522975	324294	43966	891235
06.08.2024	1020	521	58	1599	523995	324815	44024	892834
07.08.2024	1078	542	30	1650	525073	325357	44054	894484
08.08.2024	1126	898	35	2059	526199	326255	44089	896543
09.08.2024	532	144	27	703	526731	326399	44116	897246
10.08.2024	556	288	12	856	527287	326687	44128	898102
11.08.2024	450	180	12	642	527737	326867	44140	898744
12.08.2024	825	366	18	1209	528562	327233	44158	899953
13.08.2024	1303	568	36	1907	529865	327801	44194	901860
14.08.2024	557	145	26	728	530422	327946	44220	902588
15.08.2024	436	347	21	804	530858	328293	44241	903392
16.08.2024	910	540	57	1507	531768	328833	44298	904899
17.08.2024	668	365	22	1055	532436	329198	44320	905954
18.08.2024	795	426	41	1262	533231	329624	44361	907216
19.08.2024	790	512	43	1345	534021	330136	44404	908561
20.08.2024	546	212	24	782	534567	330348	44428	909343
21.08.2024	450	389	44	883	535017	330737	44472	910226
22.08.2024	615	412	65	1092	535632	331149	44537	911318
23.08.2024	879	568	20	1467	536511	331717	44557	912785
24.08.2024	798	467	36	1301	537309	332184	44593	914086
25.08.2024	1035	644	102	1781	538344	332828	44695	915867
26.08.2024	1088	548	49	1685	539432	333376	44744	917552
27.08.2024	1209	455	36	1700	540641	333831	44780	919252
28.08.2024	898	504	48	1450	541539	334335	44828	920702
29.08.2024	840	460	25	1325	542379	334795	44853	922027
30.08.2024	941	568	36	1545	543320	335363	44889	923572
31.08.2024	1150	653	61	1864	544470	336016	44950	925436
01.09.2024	1651	1112	57	2820	546121	337128	45007	928256



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Punar

अधिसूची अधिकारी,
नगर पंचायत
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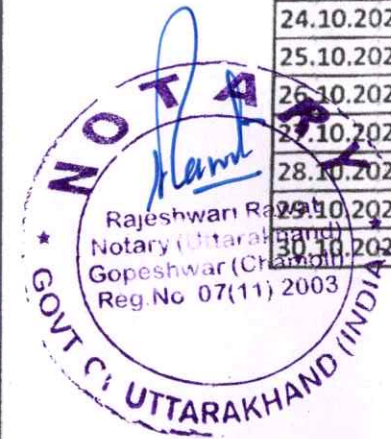
02.09.2024	1889	1265	65	3219	548010	338393	45072	931475
03.09.2024	1625	566	58	2249	549635	338959	45130	933724
04.09.2024	1789	780	92	2661	551424	339739	45222	936385
05.09.2024	1998	1150	210	3358	553422	340889	45432	939743
06.09.2024	1657	598	79	2334	555079	341487	45511	942077
07.09.2024	1587	490	58	2135	556666	341977	45569	944212
08.09.2024	1624	687	64	2375	558290	342664	45633	946587
09.09.2024	1863	1143	118	3124	560153	343807	45751	949711
10.09.2024	1666	1098	90	2854	561819	344905	45841	952565
11.09.2024	1989	1154	89	3232	563808	346059	45930	955797
12.09.2024	1633	867	68	2568	565441	346926	45998	958365
13.09.2024	1367	993	53	2413	566808	347919	46051	960778
14.09.2024	2471	1201	80	3752	569279	349120	46131	964530
15.09.2024	3208	1803	274	5285	572487	350923	46405	969815
16.09.2024	1492	1247	166	2905	573979	352170	46571	972720
17.09.2024	3089	1970	92	5151	577068	354140	46663	977871
18.09.2024	2150	1366	59	3575	579218	355506	46722	981446
19.09.2024	4516	3214	106	7836	583734	358720	46828	989282
20.09.2024	4189	2824	187	7200	587923	361544	47015	996482
21.09.2024	3737	2442	104	6283	591660	363986	47119	1002765
22.09.2024	2965	1977	113	5055	594625	365963	47232	1007820
23.09.2024	3485	2514	95	6094	598110	368477	47327	1013914
24.09.2024	2526	1538	73	4137	600636	370015	47400	1018051
25.09.2024	3949	2774	118	6841	604585	372789	47518	1024892
26.09.2024	3105	2180	57	5342	607690	374969	47575	1030234
27.09.2024	3125	2069	77	5271	610815	377038	47652	1035505
28.09.2024	3619	2913	109	6641	614434	379951	47761	1042146
29.09.2024	4123	2526	162	6811	618557	382477	47923	1048957
30.09.2024	4095	2328	150	6573	622652	384805	48073	1055530
01.10.2024	3109	1946	98	5153	625761	386751	48171	1060683



Rawat

अधिकाारी अधिकारी
नगर पंचायत
बदरनाथ

02.10.2024	3767	1830	169	5766	629528	388581	48340	1066449
03.10.2024	2436	1346	81	3863	631964	389927	48421	1070312
04.10.2024	2023	1067	65	3155	633987	390994	48486	1073467
05.10.2024	2239	1234	95	3568	636226	392228	48581	1077035
06.10.2024	2379	1258	116	3753	638605	393486	48697	1080788
07.10.2024	1952	1040	80	3072	640557	394526	48777	1083860
08.10.2024	2491	1212	162	3865	643048	395738	48939	1087725
09.10.2024	2470	1409	131	4010	645518	397147	49070	1091735
10.10.2024	1496	1271	69	2836	647014	398418	49139	1094571
11.10.2024	1934	1135	157	3226	648948	399553	49296	1097797
12.10.2024	3599	2147	195	5941	652547	401700	49491	1103738
13.10.2024	4784	2802	380	7966	657331	404502	49871	1111704
14.10.2024	3830	2442	372	6644	661161	406944	50243	1118348
15.10.2024	4293	2990	348	7631	665454	409934	50591	1125979
16.10.2024	4524	3056	367	7947	669978	412990	50958	1133926
17.10.2024	4620	3106	257	7983	674598	416096	51215	1141909
18.10.2024	5157	2196	368	7721	679755	418292	51583	1149630
19.10.2024	5284	2924	645	8853	685039	421216	52228	1158483
20.10.2024	5414	3262	390	9066	690453	424478	52618	1167549
21.10.2024	5510	3025	538	9073	695963	427503	53156	1176622
22.10.2024	5933	2623	543	9099	701896	430126	53699	1185721
23.10.2024	5483	3433	321	9237	707379	433559	54020	1194958
24.10.2024	5862	2887	410	9159	713241	436446	54430	1204117
25.10.2024	6403	3445	912	10760	719644	439891	55342	1214877
26.10.2024	5913	3535	731	10179	725557	443426	56073	1225056
27.10.2024	5183	3466	650	9299	730740	446892	56723	1234355
28.10.2024	5159	2957	892	9008	735899	449849	57615	1243363
29.10.2024	5090	4074	915	10079	740989	453923	58530	1253442
30.10.2024	3470	2591	658	6719	744459	456514	59188	1260161

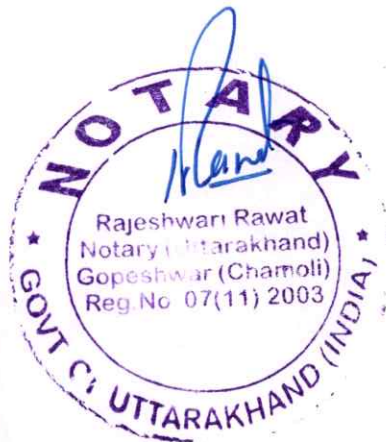


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अधिकासी/अधिकारी
नगर पंचायत
बदरीनाथ

31.10.2024	4570	3689	910	9169	749029	460203	60098	1269330
01.11.2024	3564	1267	311	5142	752593	461470	60409	1274472
02.11.2024	3350	1979	359	5688	755943	463449	60768	1280160
03.11.2024	5868	3823	991	10682	761811	467272	61759	1290842
04.11.2024	4348	2493	614	7455	766159	469765	62373	1298297
05.11.2024	4783	2044	707	7534	770942	471809	63080	1305831
06.11.2024				0				0
07.11.2024				0				0
08.11.2024				0				0
09.11.2024				0				0
10.11.2024				0				0
11.11.2024				0				0
12.11.2024				0				0
13.11.2024				0				0
14.11.2024				0				0
15.11.2024				0				0
16.11.2024				0				0
17.11.2024				0				0
18.11.2024				0				0

Badrinath Yatra. 2023 Closed 18.11.2024, 3.00 pm



Swati

अधिष्ठाता अधिकारी
नगर पंचायत
बदरीनाथ

श्री बदरीनाथ धाम में होटल/लॉज/धर्मशाला/आश्रम का विवरण

क्र०सं०	होटल/लॉज/धर्मशाला/आश्रम का नाम		कक्षों की सं०	शयन क्षमता
1	सरोवर पोर्टिको (ईशा सब्बराल)	होटल	56	112
1	जानकी लाज (श्री गणेश भण्डारी)	लॉज	19	42
2	पांचाली लाज (श्री रमेश नैथानी)	लॉज	8	30
4	बद्रीश कृपा धर्मशाला (श्री नवीन चन्द्र डिमरी)	धर्मशाला	6	20
5	चरण पादुका लॉज (श्री जयदीप मेहता)	लॉज	10	30
6	श्री हंस फाउण्डेशन (श्री फूल सिंह)	धर्मशाला	25	120
7	वैकटस लाज(श्री राधाकृष्णा भट्ट)	लॉज	16	36
8	पंचपुरी सदन (श्री जगदम्बा पंचपुरी)	धर्मशाला	16	50
9	महाराष्ट्र सदन	धर्मशाला	8	50
10	भोलागिरी आश्रम (श्री सुप्रकाश नन्द)	धर्मशाला	50	300
11	मनीषा गेस्ट(श्री जगमोहन भण्डारी)	होटल	12	40
12	रूपाली गेस्ट हाउस (श्री विजय भट्ट)	होटल	8	24
13	कुवेर गेस्ट हाउस (श्री कल्याण सिंह भण्डारी)	लॉज	26	62
14	गोमती लोक (श्री शशिकान्त मोतीवाल)	धर्मशाला	20	80
15	उर्वशी गेस्ट हाउस (श्री बचन सिंह चौहान)	होटल	32	100
16	बांगड धर्मशाला (श्री देवनारायण शर्मा)	धर्मशाला	13	110
17	देवलोक 500 बैड गढ़वाल मण्डल विकास निगम (श्री लक्ष्मीप्रसाद डिमरी)	होटल	25	400
18	भारत सेवाश्रम संघ (श्री समर महाराज)	धर्मशाला	80	400
19	नीलकण्ठ मन्दिर समिति	लॉज	18	40
20	गीता मन्दिर (श्री सदानन्द)	धर्मशाला	35	100
21	तोदी सेवा सदन (श्री दान सिंह)	धर्मशाला	20	70
22	शंकराचार्य मठ (स्वामी धरानन्द जी)	धर्मशाला	20	100
23	शेष नेत्र आश्रम (ब्रह्माचारी श्री धरानन्द)	धर्मशाला	35	150
24	बृज कृष्णा निवास (श्री तेज नारायण)	लॉज	10	40
25	महाराष्ट्र सदन (श्री बाबूलकर शास्त्री)	धर्मशाला	19	60
26	भजन आश्रम (श्री नारायण सिंह)	धर्मशाला	60	180
27	काली कमली देवदर्शनी (श्री सतीशचन्द्र पन्त)	धर्मशाला	60	150
28	लोहिया धर्मशाला(श्री सतीशचन्द्र पन्त)	धर्मशाला	0	0
29	दीपक लॉज (श्री लक्ष्मण रावत)	लॉज	16	40
30	श्रद्धागेस्ट हाउस	लॉज	6	14



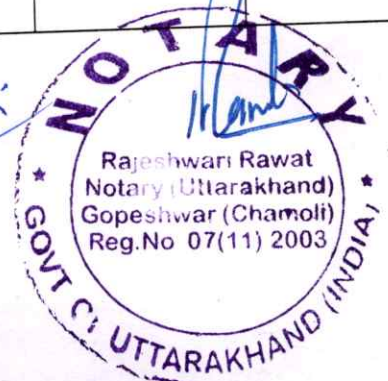
31	हनुमन्त कुन्ज परमार्थ	धर्मशाला	55	200
32	कृष्णा प्रणामी (श्री ध्रुवयादव)	धर्मशाला	30	150
33	साधु-सुधा (श्री हरेन्द्र मुनी)	धर्मशाला	55	160
34	डालमिया यात्री निवास (श्री लाल मोहन)		0	0
35	काशीमठ (श्री विजय)	धर्मशाला	30	100
36	परमार्थ लोक (श्री रितेश सिंह)	धर्मशाला	100	800
37	बालानन्द (श्री के० के० भट्टाचार्य)	धर्मशाला	40	100
38	देवलोक जी०एम०वी०एन०	होटल	30	80
39	गोविन्द गेस्ट हाउस (श्री गोविन्द मेहता)	होटल	18	40
40	राजराजेश्वरी (श्री अशोक भण्डारी)	लॉज	12	33
41	स्नोकस्ट (श्रीमती उमाविरमानी)	होटल	40	90
42	पंजाब सिन्ध क्षेत्र (श्री प्रमोद कुमार शर्मा)	धर्मशाला	35	250
43	सतगुरु आश्रम (श्री मुनीश्वर स्वामी)	धर्मशाला	30	100
44	अष्टाक्षरी धर्मशाला (एम०के० शर्मा)	धर्मशाला	60	200
45	जगाधारी आश्रम (श्री काशी प्रसाद पालीवाल)	धर्मशाला	28	60
46	नारायण पैलेस (श्री सुधांशु बाबूलकर)	होटल	40	96
47	द्वारिकेश (श्री राकेश चन्द्र ध्यानी)	होटल	32	80
48	अनन्त मठ (आचार्य श्री गोपाल जी)	धर्मशाला	25	120
49	ओम कुटीर (श्री रघुवीर राणा)	लॉज	9	41
50	पृथ्वी सेवा सदन (श्री हरिश सिंह)	धर्मशाला	8	25
51	स्वामी नारायण आश्रम	धर्मशाला	60	350
52	गणेश लॉज (श्री विनोद कोठियाल)	लॉज	10	30
53	राजस्थान निकेतन (श्री राम सिंह)	धर्मशाला	20	30
54	शान्ति निवास (श्री देवेन्द्र रावत)	होटल	28	70
55	नर्मदा गेस्ट हाउस (श्री मुन्ना लाल टोडरिया)	होटल	16	36
56	दिगम्बर जैन धर्मशाला (श्री जितेन्द्र जैन)	धर्मशाला	11	40
57	पदम श्री यात्री निवास (श्री सतेश्वर डाडी)	होटल	14	30
58	शंकर श्री गेस्ट हाउस (श्री शंकर सिंह भण्डारी)	लॉज	12	40
59	योगा (श्री राजेश मेहता)	होटल	50	130
60	नरनारायण गेस्ट हाउस आश्रम (श्री बलदेव मेहता)	होटल	14	40
61	मरुतनाथ आश्रम (श्री राकेश नाथ)	धर्मशाला	40	150



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62	हिमशिखर गेस्ट हाउस (श्री जगजीत मेहता, श्री धीरज मेहता)	लॉज	8	20
63	नेपाली धर्मशाला (श्री मदन डिमरी)	धर्मशाला	0	0
64	सच्चा बाबा अन्न क्षेत्र (श्री हरि चैतन्य)	धर्मशाला	20	80
65	मानव कल्याण (श्री सन्तोष ध्यानी)	धर्मशाला	12	40
66	काशीप्रसाद पालीवाल न्यू	होटल	16	40
67	जलाराम अन्न क्षेत्र (श्री जमुना रैवानी)	होटल	10	30
68	धुवलोक (श्री नारायण सिंह)	लॉज	10	30
69	करनाल (श्री विमलेश)	लॉज	10	30
70	पटियाला भवन (श्री सिद्धार्थ पालीवाल)	लॉज	10	30
71	हिन्दुजा धर्मशाला	धर्मशाला	10	30
72	दूधाधारी आश्रम (श्री गिरीश सिंह फरस्वाण)	धर्मशाला	32	100
73	मुरादाबाद धर्मशाला (श्री गोपानल बाबूलकर)	धर्मशाला	15	50
74	कृष्णा निवास (श्री कुवर सिंह)	होटल	16	40
75	माणा लॉज	लॉज	5	20
76	नन्दा देवी गेस्ट हाउस (श्री पूरन मेहता)	होटल	19	38
77	ज्योति लॉज (श्री नन्दन सिंह रावत)	लॉज	6	30
78	बेरी वाला (श्री शम्भू कुमार झा)	धर्मशाला	20	60
79	सारदेश्वरी (श्री सोवत बिष्ट)	होटल	9	30
80	बदरीश कृष्णनिवास (श्री बदरीलाल)	लॉज	0	0
81	तनपुरे महाराज (श्री अशोक तनपुरे)	धर्मशाला	0	0
82	रमा गेस्ट हाउस (श्री दीपक पेंवार)	होटल	10	36
83	हिमगिरी गेस्ट हाउस (श्री विपिन पेंवार)	होटल	19	42
84	ऋषिगंगा गेस्ट हाउस (श्री मोहन मेहता)	लॉज	13	30
85	आचार्य सदन (श्री च्यारे लाल ध्यानी)	धर्मशाला	48	120
86	अलवर भवन (श्री गौरवकुमार)	धर्मशाला	15	50
87	अखिलभारतीय माहेश्वरी सेवा सदन (श्री पुष्कर सिंह)	धर्मशाला	30	100
88	श्वेताम्बर जैन धर्मशाला (अमित)	धर्मशाला	20	80
89	यूथ हॉस्टल	होटल	18	60
90	आदिशंकरा अद्वैत फाउण्डेशन	धर्मशाला	36	100
91	न्यू उर्वशी होटल	होटल	43	100
92	लॉड पैलेस	होटल	32	64



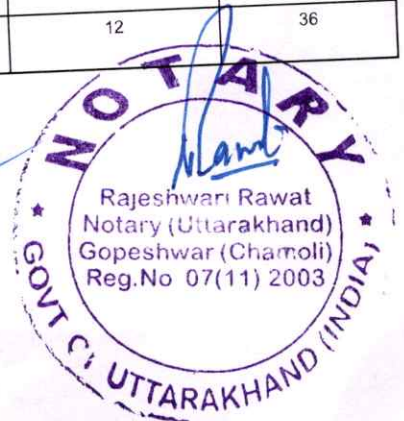
93	शिवकदम होटल	होटल	10	30
94	होटल अनन्त पैलेस अतुल शर्मा	होटल	12	36
95	अमृततारा दी अवध होटल	होटल	28	60
96	कोकिला बेन रिलाइंस भवन	होटल	10	20
97	विष्णु सरोवर (कोडियाल)	होटल	17	40
98	होटल श्री गणेश संदेश मेहता	होटल	20	60
99	बद्री वैली रिसोर्ट	होटल	18	36
100	नरेश शर्मा होटल	होटल	18	50
101	कलश सेवा सदन (कानपुर वाले)	होटल	24	50
102	नीलकण्ठ (ऋषिकेश वाले)	होटल	25	60
103	चौहान रिसोर्ट व होटल	होटल	18	40
104	कृष्णा पैलेस बदरीनाथ	होटल	8	20
105	बद्री विले रिसोर्ट (विमलेश पंवार)	होटल	8	20
106	टाटम्बरी	धर्मशाला	10	40
107	नैनवाल टैंट कॉलोनी	लॉज	10	30
108	सती टैंट कॉलोनी	लॉज	0	0
109	मुरारी कन्नी पावनी पैलेस	होटल	8	20
110	मंगलम् गेस्ट हाउस (श्री राजदीप सनवाल)	होटल	28	50
111	मॉ उर्वशी (श्री अरविंद शर्मा)	होटल	16	50
112	लक्ष्मी डिवाइन (श्री हनुमान भट्ट)	होटल	18	36
113	जयश्री बद्रीश (श्रीमती जयश्री डाडी)	होटल	10	22
114	माहेश्वर लॉज	होटल	4	12
115	डिवाइन गंगा	होटल	10	21
116	न्यू नंदा देवी (श्री जसवीर मेहता)	होटल	14	28
117	बद्री नारायण जी0एम0ओ0यू0	होटल	5	12
118	कंचन रूप (श्री विक्रम कोठारी)	होटल	10	22
119	शोभा मेहता रिजोर्ट माउटेन ट्रेक्स हट	होटल	7	14
120	श्री राम गेस्ट हाउस	लॉज	13	46
121	भारत श्री गेस्ट हाउस	लॉज	8	24
122	रघुनाथ आश्रम	धर्मशाला	40	120
123	न्यू योगा	होटल	36	72



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124	डिवाइन दिवान खण्डूडी	होटल	6	15
125	होटल गणेश	होटल	7	30
126	सूर्या गेस्ट हाउस	होटल	11	34
127	बद्रीश गेस्ट हाउस	होटल	9	30
128	ओम शान्ति टूरिस्ट गेस्ट हाउस	होटल	8	30
129	बाबा जी क्रिया योग आश्रम	होटल	13	40
130	नीलकण्ठ रिसोर्ट टैन्ट कॉलोनी	होटल	7	16
131	भगवती गेस्ट हाउस	होटल	14	28
132	तूमा पैलेस	होटल	10	30
133	हर्षा पैलेस	होटल	15	40
134	एस0एन0आर0 पैलेस	होटल	18	40
135	दिल्ली सेवा निकेतन	धर्मशाला	8	20
136	पंचवटी रिसोर्ट	होटल	16	40
137	दिल्ली सेवा सदन	धर्मशाला	18	80
138	अवधूत मण्डल आश्रम	धर्मशाला	18	80
139	ओम राधे	होटल	10	30
140	श्री राम निकेतन गेस्ट हाउस	होटल	13	46
141	बचन पैलेस	होटल	10	30
142	बामणी इन्	होटल	10	30
143	बदरीनाथ इन्	लॉज	8	20
144	होटल विश्रान्ती	होटल	17	40
145	श्री पैलेस	होटल	19	60
146	आशा पैलेस	होटल	18	45
147	पिनाकल पीक	होटल	16	40
148	होटल वैकुण्ठ धाम	होटल	12	24
149	दयाल गेस्ट हाउस	लॉज	8	16
150	होटल महादेव	होटल	16	60
151	होटल श्लोका	होटल	12	42
152	श्री कुबेर	होटल	12	36



153	होटल मुत्युंजय इन्न्	होटल	8	30
154	युवा इन्न्	होटल	15	45
157	हरियाणा भवन	लॉज	10	30
	योग		2801	10419



उत्तराखण्ड जल संस्थान गोपेश्वर
संचालित सीवरेज योजनाओं से सम्बन्धित अद्यावधिक स्थिति

दिनांक:-27-11-2024

क्र० सं०	जनपद	शाखा का नाम	नगर का नाम	सीवर योजना का नाम	कुल परिवारों की संख्या	ऐसे भवनों/परिसरों की संख्या जहाँ सीवर संयोजन दिये जाने सम्भव नहीं हैं			ऐसे भवनों/परिसरों की संख्या जहाँ सीवर संयोजन दिये गए हैं।						कुल संयोजन	ऐसे भवनों/परिसरों की संख्या जहाँ सीवर संयोजन दिये जा सकते हैं परन्तु अभी तक नहीं हुये हैं।			कुल सॉक पिटर/सेप्टिक टैंक की संख्या
						घरेलू	अघरेलू	योग	घरेलू			अघरेलू				घरेलू	अघरेलू	योग	
									गत माह तक	इस माह में	योग	गत माह तक	इस माह में	योग					
1	2	3	4	5	6	9	10	11	12	13	14	15	16	17		18	19	20	21
1	चमोली	गोपेश्वर	गोपेश्वर/चमोली	गोपेश्वर/चमोली	6213	0	0	0	410	0	410	94	0	94	504	0	0	0	5709
2			जोशीमठ	जोशीमठ	3898	0	0	0	156	0	156	47	0	47	203	0	0	0	3695
3			बद्रीनाथ	बद्रीनाथ	440	135	0	135	173	0	173	132	0	132	305	0	0	0	135
4			नन्दप्रयाग	नन्दप्रयाग	424	-	-	-	-	-	-	-	-	-	0	-	-	-	424
5		कर्णप्रयाग	कर्णप्रयाग	3474	-	-	-	-	-	-	-	-	-	-	0	-	-	-	3474
योग					14449	135	0	135	739	0	739	273	0	273	1012	0	0	0	13437

नोट:- अवगत कराना है कि गोपेश्वर शाखा के अर्न्तगत नगरपालिका के द्वारा मौखिक रूप से दी गई जानकारी क अनुसार जिन क्षेत्रों में सीवर लाइन नहीं है, वहां पर निवासित परिवारों द्वारा अपने-अपने सौक पिट बनाये गये हैं, खुले में सीवर नहीं बह रहा है। सॉक पिट ओवर फलों की शिकायत प्राप्त होने पर विभाग द्वारा सीवर जेटिंग मशीन के माध्यम से सीवर की गंदगी को सक्शन कर निकटतम सीवर चैम्बर में डाल दिया जायेगा। 2- 135 परिवार जो सीवर लाइन की संरेखन से नीचे बसे हुये है, जिन्हें कि वर्तमान तक सीवर संयोजन से नहीं जोड़ा जा सका है, उक्त परिवारों को सीवर संयोजन से जोड़े जाने हेतु नमामि गंगे गोपेश्वर द्वारा प्राक्कलन गठित कर शासन को प्रेषित किया गया है।

कुल सीवर योजनाओं की संख्या 5
कुल परिवारों की संख्या 14449
कुल सीवर संयोजन 1012
कुल सॉक पिट/सेप्टिक टैंक की संख्या 13437



Executive Engineer
Maintenance Division
Uttarakhand Jal Sanshan
Gopeshwar
अधिसासी अभियन्ता



**GOVERNMENT OF INDIA
MINISTRY OF HOUSING AND URBAN AFFAIRS**

**MANUAL ON WATER SUPPLY AND
TREATMENT SYSTEMS
(DRINK FROM TAP)**

**PART A: ENGINEERING - PLANNING, DESIGN AND
IMPLEMENTATION
FOURTH EDITION - REVISED AND UPDATED**

**CENTRAL PUBLIC HEALTH AND ENVIRONMENTAL
ENGINEERING ORGANISATION**

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DECEMBER 2023

- The domestic demand does not include bulk requirements of water for semi-commercial, commercial, institutional and industrial purposes. Demands due to commercial (malls, hotels etc), institutional and industrial purposes must be assessed separately through consumer survey and duly extrapolated for different stages.
- Such demands should be assigned to the nearest pipe/nodes of the pipe network in the distribution system.
- Semi-commercial demands include micro industries, market, shops, vegetable market, traders, hawkers, non-residential tourists, picnic spots, religious places, etc.
- In the absence of consumer survey, the present demand due to semi-commercial to the tune of about 5-10% of intermediate demand (domestic) may be considered depending on the nature of the town. The semi-commercial demand for intermediate and ultimate stages may be calculated considering an increase of 1% per year on the initial semi-commercial demand.
- Fire demand should be added to domestic demand proportionately.

(ii) Requirement of Floating Population

The rate of supply for the floating population (CPHEEO, 1999) should be as follows (Table 2.5):

Table 2.5: Rate of supply for floating population

S. No.	Facility	Litres per capita per day (LPCD)
1	Bathing facilities provided	45
2	Bathing facilities not provided	25
3	Floating population using only public facilities (such as market traders, hawkers, non-residential tourists, picnickers, religious tourists, etc.)	15

The data on floating population/ tourists shall be obtained from the tourism department of the State Government.

In the absence of such data, floating population may be considered as percentage of ultimate stage (30 years) population as below:

- Class I cities: 2-5%
- District HQ: 2-3%
- Hill Stations: 5-10%
- Seaside cities: 5-10%
- Small towns: 1-3%

However, ULB can increase/ decrease floating population with proper justification on case-to-case basis.

(iii) Institutional Needs

The water requirements for institutions should be provided in addition to the provisions indicated in Table 2.6, where required, if they are of considerable magnitude and not covered in the provisions already made. The individual requirements (CPHEEO, 1999) would be as shown in Table 2.6.



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**Calculation for comparison of maximum sewage generation vs treatment
Capacity available at Badrinath Dham**

Available Sewage Treatment Capacity	=	1.27 MLD
Population as per the actual heads count by Nagar Panchayat Badrinath, considered as permanent population i/c Hotel-Dharamshala staff/labourer/shopkeepers etc. (Annexure-1)	=	3470
Population of tourists as per the staying facility available (Annexure-2)	=	10419
Maximum no. of tourists visited in 2024 on 19/05/2024 (15327 Male+11460 female+1268 Children) (Annexure-3)	=	28055
Population of tourists not staying	=	(28055-10419)
	=	17636
No. of Domestic Sewer connections as on date as per UJS records (Annexure-4)	=	173
No. of Domestic Connections not possible due to topographical location of households and having their septic tanks & soak-pits. (Annexure-4)	=	135
Considering 05 members per family the permanent Population not contributing to the sewage available for treatment	=	135x5
	=	675
The permanent population contributing to the sewage available for treatment including existing domestic connections and the staff living in hotels/Dharamshalas	=	3470-675
	=	2795
Rate of water supply	=	70 lpcd
Quantity of water used by tourists staying (as per CPHEEO manual) (Annexure-5)	=	45 lpcd
Quantity of water used by tourists not staying (as per CPHEEO manual) (Annexure-5)	=	15 lpcd

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Expected Sewage Generation by Permanent Population available for treatment	=	2795x70x0.80/10 ⁶
	=	0.156 MLD
Expected Sewage Generation by Staying Tourists	=	10419x45x0.80/10 ⁶
	=	0.375 MLD
Expected Sewage Generation by Tourists not Staying	=	17636x15x0.80/10 ⁶
	=	0.212 MLD
Total Sewage Treatment capacity required per day	=	0.156+0.375+0.212
	=	0.743 MLD

0.743 MLD < 1.27 MLD

Maximum Flow received at STPs in 2024 (Annexure-7)

0.26 MLD	=	0.180 MLD
1.00 MLD	=	0.546 MLD
0.01 MLD	=	0.006 MLD
TOTAL	=	0.732 MLD


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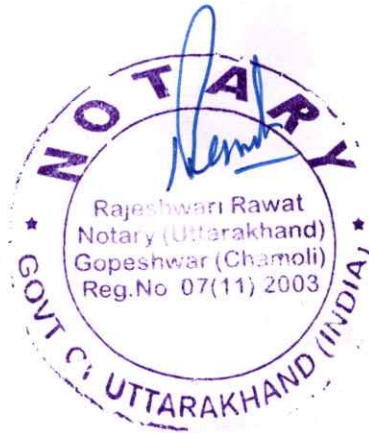


Drain Details in Badrinath Dham

Sl. No.	Name of Drain/Nala	Discharge of drain (in MLD) before commencement of I&D Projects	Flow diverted to which STP
1	Manav Kalyan Ashram Drain	0.350	1.0 MLD STP
2	Iron Bridge to Mandir Drain	0.040	1.0 MLD STP
3	BSNL drain	0.070	1.0 MLD STP
4	Raturi Drain	0.060	1.0 MLD STP
5	Pindadan Ghaat Drain (Brahmkapal drain)	0.010	1.0 MLD STP
6	Bamni Drain	0.020	0.26 MLD STP
	Total tapped flow	0.550	
7	Panda Gully Drain (Kurma Dhara drain) (Not tapped)	0.690	Carrying natural source flow
8	Bamni Natural Drain (Not tapped)	0.890	
	Natural source Flow	1.58	

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PHOTOGRAPHS



0.26 MLD STP near Bamani Gaon



1.00 MLD STP near Suspension Bridge



0.01 MLD STP near Badrinath Temple

NOTARY
Rajeshwari Rawat
Notary (Uttarakhand)
Gopeshwar (Chamoli)
Reg.No 07(11) 2003
GOVT. OF UTTARAKHAND (INDIA)

Executive Engineer
Maintenance Division
Uttarakhand Jal Sansthan
Gopeshwar

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



TEST REPORT

Name & Address of Client:		ULR No:	TC550724000003995F
Office of Executive Engineer, Uttarakhand Jal Sansthan, Gopeshwar Chamoli U.K.		Reporting Date:	18/06/2024
		Date of Sampling:	09/06/2024
		Receipt Date:	13/06/2024
		Period of Testing:	13/06/2024-18/06/2024
		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	7.76	6.5-9.0	NA	APHA 23 rd Edi.2017-4500 H+B, Electrometric Method
4.	COD	30.4	50	mg/l	APHA 23 rd Edi.2017.5220B, Open Reflux Method
5.	BOD (3 Days at 27 °C)	9.4	10	mg/l	IS-3025 (P-44)1993,RA2019
6.	Total Suspended Solid	9.0	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	338	Limit Not Specified	MPN/100ml	IS:1622: 1981 RA: 2019
9.	Faecal Coliform	210	< 230	MPN/100ml	IS:1622: 1981 RA:2019

NA : Not Applicable

CHECKED BY: *[Signature]*

End of Report

[Signature]
Rajeshwari Rawat
Notary (Uttarakhand)
Gopeshwar (Chamoli)
Reg.No 07(11)2003



- NOTE : 1. The results listed only to the tested sample & applicable parameters.
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[Signature]

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TEST REPORT

Name & Address of Client:		ULR No:	TC550724000008070F
Office of Executive Engineer, Uttarakhand Jal Sansthan, Gopeshwar Chamoli U.K.		Reporting Date:	10/10/2024
		Date of Sampling:	01/10/2024
		Receipt Date:	03/10/2024
		Period of Testing:	04/10/2024-10/10/2024
		Sample Collected By:	By Client
		Sampling Type:	Grab
Sample Description:	STP Outlet (0.01 MLD)	Preservation :	Refrigerated
Sampling Location:	Near Shri Badrinath Temple	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	Clear	NA	NA	IS 3025 (Part-4) 2021
2.	Odor	No Smell	NA	NA	IS 3025 (Part-5) 2018
3.	pH	6.62	6.5-9.0	NA	APHA 23 rd Edi.2017-4500 H+B, Electrometric Method
4.	COD	35.2	50	mg/l	APHA 23 rd Edi.2017.5220B, Open Reflux Method
5.	BOD (3 Days at 27 ^o C)	7.8	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	442	Limit Not Specified	MPN/100ml	IS:1622: 1981 RA: 2019
9.	Faecal Coliform	216	< 230	MPN/100ml	IS:1622: 1981 RA:2019

NA : Not Applicable

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AUTHORIZED SIGNATORY :

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TEST REPORT

Name & Address of Client:		ULR No:	TC550724000008069F
Office of Executive Engineer, Uttarakhand Jal Sansthan, Gopeshwar Chamoli U.K.		Reporting Date:	10/10/2024
		Date of Sampling:	01/10/2024
		Receipt Date:	03/10/2024
		Period of Testing:	04/10/2024-10/10/2024
		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	6.76	6.5-9.0	NA	APHA 23 rd Edi.2017-4500 H+B,Electrometric Method
4.	COD	33.7	50	mg/l	APHA 23 rd Edi.2017.5220B, Open Reflux Method
5.	BOD (3 Days at 27 °C)	9.0	10	mg/l	IS-3025 (P-44)1993,RA2019
6.	Total Suspended Solid	6.8	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	343	Limit Not Specified	MPN/100ml	IS:1622: 1981 RA: 2019
9.	Faecal Coliform	216	< 230	MPN/100ml	IS:1622: 1981 RA:2019

NA : Not Applicable

End of Report

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AUTHORISED SIGNATURE:

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