

1. River Alaknanda B/C Mandakini at Rudraprayag (Station Code - 1484)

Month	Temp	ph	DO mg/l	BOD mg/l	Total Coli form MPN/100 ml
Jan-16	15	7.48	9.4	<1	0
Jul-16	19	7.61	8.4	<1	0
Oct-16	17	7.86	9.4	<1	0
Average					
Quality Criteria For Class A		6.5-8.5	6 mg/l or more	2mg/l or less	50 or less

2. River Mandakini B/C Alaknanda at Rudraprayag (Station Code 1485)

Month	Temp	ph	DO mg/l	BOD mg/l	Total Coli form MPN/100 ml
Jan-16	16	7.54	9.6	<1	0
Jul-16	18	7.42	9.4	<1	0
Oct-16	17	7.86	9.4	<1	0
Average					
Quality Criteria For Class A		6.5-8.5	6 mg/l or more	2mg/l or less	50 or less

Alaknanda A/C Mandakini at Rudraprayag (Station Code 1486)

Month	Temp	ph	DO mg/l	BOD mg/l	Total Coli form MPN/100 ml
Jan-16	16	7.67	9	<1	0
Jul-16	19	7.5	8.2	<1	0
Oct-16	17	8.12	8.6	<1	0
Average					
Quality Criteria For Class A		6.5-8.5	6 mg/l or more	2mg/l or less	50 or less

4. River Bhagirathi B/C Alaknanda at Devprayag (Station Code 1488)

Month	Temp	ph	DO mg/l	BOD mg/l	Total Coli form MPN/100 ml
Jan-16	17	7.7	9.6	<1	0
Jul-16	19	7.61	9	<1	0
Oct-16	18	7.84	9.6	<1	0
Average					
Quality Criteria For Class A		6.5-8.5	6 mg/l or more	2mg/l or less	50 or less

5. River Alaknanda B/C Bhagirathi at Devprayag (Station Code 1487)

Month	Temp	ph	DO mg/l	BOD mg/l	Total Coli form MPN/100 ml
Jan-16	17	7.52	9.2	<1	0
Jul-16	19	7.46	8.8	<1	0
Oct-16	17	7.82	8.6	<1	0
Average					
Quality Criteria For Class A		6.5-8.5	6 mg/l or more	2mg/l or less	50 or less

Alaknanda A/C Bhagirathi at Devprayag (Station Code 1489)

Month	Temp	ph	DO mg/l	BOD mg/l	Total Coli form MPN/100 ml
Jan-16	17	7.62	9.4	<1	0
Jul-16	18	7.5	8.8	<1	0
Oct-16	18	9.2		<1	0
Average					
Quality Criteria For Class A		6.5-8.5	6 mg/l or more	2mg/l or less	50 or less

7. River Ganga U/S Lakshmanjhula, Swargashram (U/s of Rishikesh) (Station Code 1060)

Month	Temp	ph	DO mg/l	BOD mg/l	Total Coli form MPN/100 ml
Jan-16	16	7.42	9.6	<1	23
Feb-16	16	7.24	10.4	<1	26
Mar-16	17	7.32	10.6	<1	22
Apr-16	18	7.82	9.0	<1	21
May-16	19	7.32	9.4	<1	22
Jun-16	19	7.12	9.8	<1	26
Jul-16	19	7.64	9.2	<1	30
Aug-16	20	7.34	9.4	<1	40
Sept-16	20	7.64	10.4	<1	30
Oct-16	19	7.51	9.6	<1	26
Nov-16	17	7.32	9.8	<1	22
Dec-16	16	7.23	9.8	<1	12
Average	18	7.41	9.78		25
Quality Criteria For Class B		6.5-8.5	5 mg/l or more	3 mg/l or less	500 MPN/100 ml or less

8. Upper Ganga Canal D/S Harki Pauri Haridwar (Station Code 2726)

Month	Temp	ph	DO mg/l	BOD mg/l	Total Coli form MPN/100 ml
Jan-16	16	7.34	10.8	1	110
Feb-16	16	7.69	10.8	1.2	80
Mar-16	18	7.47	10.4	1	170
Apr-16	18	7.4	9.8	1	110
May-16	19	7.5	8.6	1	80
Jun-16	20	7.43	8.4	1	60
Jul-16	19	7.46	9.0	1	70
Aug-16	20	7.52	8.4	1	80
Sept-16	20	7.67	9.4	1	60
Oct-16					
Nov-16	16	7.51	9.2	<1	50
Dec-16	15	7.36	9.6	<1	70
Average	17.90	7.47	9.49	1.02	85.45
Quality Criteria For Class A		6.5-8.5	6 mg/l or more	2mg/l or less	50 or less

9. Upper Ganga Canal D/S Roorkee Haridwar (Station Code 2727)

Month	Temp	ph	DO mg/l	BOD mg/l	Total Coli form MPN/100 ml
Jan-16	16	7.6	7.6	1.2	220
Feb-16	16	7.82	9.2	1.2	110
Mar-16	18	7.52	10.4	1	220
Apr-16	18	7.58	9.6	1	170
May-16	20	7.48	8.6	1	140
Jun-16	19	7.82	9.0	1.2	110
Jul-16	20	7.78	9.4	1	140
Aug-16	20	7.71	8.6	1	170
Sep-16	20	7.84	10	1	140
Oct-16					
Nov-16	19	7.62	9.2	1	110
Dec-16	15	7.64	9.6	1	80
Average	18.27	7.67	9.47	1.05	146.36
Quality Criteria For Class B		6.5-8.5	5 mg/l or more	3 mg/l or less	500 MPN/100 ml or less

10. Ganga River after confluence of river Song near Satyanarayan Temple D/S Raiwala., Dehradun (Station Code 2725)

Month	Temp	DO mg/l	BOD mg/l	Total Coli form MPN/100 ml
Jan-16	16	9.2	1.2	500
Feb-16	16	9.4	1	350
Mar-16	18	9.6	1.2	240
Apr-16	21	9.2	1	170
May-16	20	8.8	1	110
Jun-16	20	7.8	1.4	80
Jul-16	20	7.6	1.2	110
Aug-16	20	8.6	1	220
Sep-16	20	8.4	1	280
Oct-16	20	8.0	1	170
Nov-16	18	8.6	1	140
Dec-16	15	8.8	1	300
Average	18.66	8.66	1.08	222.5
Quality Criteria For Class D		4 mg/l or more	-	-

11. River Suswa D/S Mathurawala, Dehradun (Station Code 2724)

Month	Temp	ph	DO mg/l	BOD mg/l	Total Coli form MPN/100 ml
Jan-16	16	7.8	3.6	36	<1600
Feb-16	16	7.85	2.8	34	<1600
Mar-16	18	7.89	2.4	32	<1600
Apr-16	20	7.92	2.6	34	<1600
May-16	20	7.82	2.8	32	<1600
Jun-16	20	7.68	1.4	34	<1600
Jul-16	20	7.66	2.8	32	<1600
Aug-16	20	7.76	2.4	34	<1600
Sep-16	21	7.96	2.8	32	<1600
Oct-16	20	7.8	3.2	28	<1600
Nov-16	19	7.86	2.4	34	<1600
Dec-16	16	7.68	2.6	34	<1600
Average	18.91	7.80	2.65	33	
Quality Criteria For Class E		6.5-8.5	-	-	-

12. Upper Ganga Canal at Harki Pauri, Haridwar (Rishikul Bridge)

Month	Temp	ph	DO mg/l	BOD mg/l	Total Coli form MPN/100 ml
Jan-16	16	7.83	10.8	<1	70
Feb-16	16	7.68	9.6	1	40
Mar-16	18	7.42	9.2	1	60
Apr-16	18	7.52	9.6	<1	40
May-16	19	7.42	8.8	<1	60
Jun-16	20	7.52	8.6	<1	70
Jul-16	19	7.48	9.2	<1	80
Aug-16	20	7.52	8.6	1	110
Sep-16	20	7.44	9	<1	50
Oct-16					
Nov-16	18	7.36	9.2	<1	60
Dec-16	16	7.46	8.8	<1	40
Average	18.18	7.51	9.21		61.81
Quality Criteria For Class A		6.5-8.5	6 mg/l or more	2mg/l or less	50 or less

13. Upper River Ganga Canal at Harki Pauri, Haridwar (Damkoti)

Month	Temp	ph	DO mg/l	BOD mg/l	Total Coli form
Jan-16	16	7.47	10.4	<1	90
Feb-16	16	7.75	10.8	<1	60
Mar-16	17	7.42	10.4	<1	80
Apr-16	18	7.45	9.4	<1	70
May-16	19	7.25	10.0	<1	50
Jun-16	19	7.62	9.6	<1	60
Jul-16	20	7.58	9.0	<1	70
Aug-16	20	7.54	8.4	<1	80
Sep-16	20	7.62	8.8	<1	60
Oct-16					
Nov-16	17	7.46	9.0	<1	70
Dec-16	17	7.82	9.4	<1	60
Average	18.09	7.54	9.56		68.18
Quality Criteria For Class B		6.5-8.5	5 mg/l or more	3 mg/l or less	500 MPN/100 ml

14. Ganga U/S Abindugh at Dudhiyabad, Haridwar (Ganga at Haridwar U/s, Haridwar)

Month	Temp	ph	DO mg/l	BOD mg/l	Total Coli form MPN/100 ml
Jan-16	16	7.73	10	1	60
Feb-16	16	8.01	9.6	<1	50
Mar-16	18	7.62	9.2	1	60
Apr-16	18	7.64	8.8	1	40
May-16	20	7.44	8.4	1	50
Jun-16	20	7.79	9.8	<1	60
Jul-16	20	7.62	9.0	1	70
Aug-16	21	7.65	8.6	1	90
Sep-16	20	7.71	8.6	<1	70
Oct-15	20	7.61	9.0	<1	60
Nov-15	18	7.52	8.8	<1	40
Dec-15	17	7.64	8.8	1	30
Average	18.66	7.66	9.05		56.66
Quality Criteria For Class B		6.5-8.5	5 mg/l or more	3 mg/l or less	500 MPN/100 ml

15. Upper Ganga Canal D/S Balkumari Mandir, Ajeetpur, Haridwar (Station Code 1061)

Month	Temp	ph	DO mg/l	BOD mg/l	Total Coli form MPN/100 ml
Jan-15	15	7.68	10	1.2	500
Feb-15	16	7.82	10.6	1	300
Mar-15	17	7.64	10.2	1.2	350
Apr-15	18	7.8	9.8	1.4	300
May-15	20	7.62	9.4	1.2	280
Jun-15	20	7.46	9.4	1	240
Jul-15	21	7.48	9.2	1	280
Aug-15	20	7.71	8.8	1	220
Sep-15	21	7.82	8.6	1	170
Oct-15	20	7.52	8.4	1	110
Nov-15	16	7.46	8.6	1	90
Dec-15	16	7.82	8.2	1.2	110
Average	18.33	7.67	9.26	1.1	245.83
Quality Criteria For Class C		6.5-8.5	4mg/l or more	3mg/l or less	5000 or less

17. Lalita Rao Bridge, Haridwar

Month	Temp	ph	DO mg/l	BOD mg/l	Total Coli form MPN/100 ml
Jan-15	17	7.68	10.6	1	140
Feb-15	17	7.85	10	<1	80
Mar-15	17	7.62	10.2	<1	110
Apr-15	19	7.64	9.2	<1	80
May-15	19	7.64	8.6	<1	60
Jun-15	20	7.72	8.8	<1	70
Jul-15	19	7.62	8.2	<1	90
Aug-15	20	7.74	8.8	<1	110
Sep15	20	7.58	8.6	<1	70
Oct-15					
Nov-15	17	7.2	8.8	<1	60
Dec-15	16	7.52	9.2	<1	70
Average	18.27	7.63	9.18		85.45
Quality Criteria For Class B		6.5-8.5	5 mg/l or more	3 mg/l or less	500 MPN/100 ml

18. River Yamuna U/s Dakpather (Station Code 1490)

Month	Temp	ph	DO mg/l	BOD mg/l	Total Coli form MPN/100 ml
Jan-16	17	7.84	8.6	1.4	40
April-16	18	7.9	8.4	1.2	50
Jul-16	20	7.64	8	1	60
Oct-16	19	7.92	8.8	1	3
Average					
Quality Criteria For Class A		6.5-8.5	6 mg/l or more	2mg/l or less	50 or less

19. River Yamuna U/s Lakhwar Dam (Station Code 1494)

Month	Temp	ph	DO mg/l	BOD mg/l	Total Coli form MPN/100 ml
Jan-16	16	7.65	8.8	<1	0
April-16	19	8.2	8.6	<1	0
Jul-16	19	7.71	8.2	<1	0
Oct-16	19	7.98	9.2	<1	0
Average					
Quality Criteria For Class A			6 mg/l or more	2mg/l or less	50 or less

20. Ground Water Hand Pump, Selaqui, Industrial Area 1 (Station Code 3456)

Month	Temp	ph	Total Coli form MPN/100 ml	Conductivity
Feb-16	15	7.59	0	
July-16	18	7.21	0	169

21. Ground Water Hand Pump, Selaqui, Industrial Area 2 (Station Code 3457)

Month	Temp	ph	Total Coli form MPN/100 ml	Conductivity
Feb-16	15	7.24	0	
July-16	18	7.25	0	182

22. Ground Water at SIDCUL Industrial Area-1, Haridwar (Roshanabad, Collectorate) (Station Code 3450)

Month	Temp	ph	Total Coli form MPN/100 ml
April-16	18	7.11	0

23. Ground Water at SIDCUL Industrial Area-2, Hairdwar(Saleempur Chowk, Roorkee) (Station Code 3451)

Month	Temp	ph	Total Coli form MPN/100 ml
April -16	20	7.37	0

24. Ground Water at Bhagwanpur Industrial Area-1 Haridwar(Sikendarpur, Lakheswari, Roorkee) (Station Code 3453)

Month	Temp	ph	Total Coli form MPN/100 ml
April -16	19	7.52	0

25. Ground Water at Roorkee, Industrial Area-2, Roorkee (Village Sunehra) (Station Code 3455)

Month	Temp	ph	Total Coli form MPN/100 ml
April -16	18	7.46	0

25. Ground Water at Roorkee Industrial Area-2 (Ramangar Induatrial Area) (Station Code 3454)

Month	Temp	ph	Total Coli form MPN/100 ml
April -16	20	7.49	0

Ground Water at Bhagwanpur, Industrial Area-1 (CHC) Hairdwar (Station Code 3454)

Month	Temp	ph	Total Coli form MPN/100 ml
April -16	18	7.34	0

PRIMARY WATER QUALITY CRITERIA FOR DESIGNATED

BEST - USE - CLASSES

Classification	Category	Tolerance Limit
Drinking Water Source without conventional treatment but after disinfections	A	<ol style="list-style-type: none"> 1. Total Coliform Organism MPN/100 ml shall be 50 or less 2. pH between 6.5 and 8.5 3. Dissolved Oxygen 6mg/l or more 4. Biochemical oxygen demand 5 days 20° C 2mg/l or less
Outdoor Bathing (Organized)	B	<ol style="list-style-type: none"> 1. Total Coliforms Organism MPN/100 ml shall be 500 or less 2. pH between 6.5 and 8.5 3. Dissolved Oxygen 5mg/l or more 4. Biochemical Oxygen Demand 5 days 20°C 3mg/l or less
Drinking Water source after conventional treatment and disinfections	C	<ol style="list-style-type: none"> 1. Total Coliforms Organism MPN/100 ml shall be 5000 or less 2. pH between 6.5 and 8.5 3. Dissolved Oxygen 4mg/l or more 4. Biochemical Oxygen Demand 5 days 20°C 3mg/l or less
Propagation of Wild Life and Fisheries	D	<ol style="list-style-type: none"> 1. pH between 6.5 and 8.5 2. Dissolved Oxygen 4mg/l or more 3. Free Ammonia (as N)1.2 mg/l or less
Irrigation Industrial Cooling, Controlled waste disposal	E	<ol style="list-style-type: none"> 1. pH between 6.0 and 8.5 2. Electrical Conductivity at 25°C micro mhos/cm Max. 2250 3. Sodium absorption ratio Max. 26 4. Boron Max. 2 mg/l