

River Alaknanda B/C Mandakini Rudraprayag

Month	Temp	ph	DO mg/l	BOD mg/l	Total Coliform MPN/100 ml
Jul-15	19.0	7.73	8.4	<1	-
Oct-15	17.0	7.96	9.2	<1	-
Average	18.0	7.84	8.8		-
Quality Criteria For Class A		6.5-8.5	6 mg/l or more	2mg/l or less	50 or less

River Mandakini B/C Alaknanda Rudraprayag

Month	Temp	ph	DO mg/l	BOD mg/l	Total Coliform MPN/100 ml
Jul-15	18.0	7.92	9.2	<1	-
Oct-15	16.0	7.96	9.0		
Average	17.0	7.94	9.1		-
Quality Criteria For Class A		6.5-8.5	6 mg/l or more	2mg/l or less	50 or less

River Alaknanda A/C Mandakini Rudraprayag

Month	Temp	ph	DO mg/l	BOD mg/l	Total Coliform MPN/100 ml
Jul-15	19.0	7.9	7.2	<1	-
Oct-15	17.0	8.08	8.4	<1	-
Average	18.0	8.01	7.8		-
Quality Criteria For Class A		6.5-8.5	6 mg/l or more	2mg/l or less	50 or less

River Bhagirathi B/C Alaknanda Devprayag

Month	Temp	ph	DO mg/l	BOD mg/l	Total Coliform MPN/100 ml
Jul-15	19.0	8.5	9.6	<1	-
Oct-15	18.0	8.21	9.4	<	-
Average	18.5	8.35	9.5	<1	-
Quality Criteria For Class A		6.5-8.5	6 mg/l or more	2mg/l or less	50 or less

River Alaknanda B/C Bhagirathi Devprayag

Month	Temp	ph	DO mg/l	BOD mg/l	Total Coliform MPN/100 ml
Jul-15	20.0	8.02	8.8	<1	-
Oct-15	17.0	8.12	8.6	<1	
Average	18.5	8.07	8.7		-
Quality Criteria For Class A		6.5-8.5	6 mg/l or more	2mg/l or less	50 or less

River Alaknanda A/C Bhagirathi Devprayag

Month	Temp	ph	DO mg/l	BOD mg/l	Total Coliform MPN/100 ml
Jul-15	19.0	8.0	8.8	<1	-
Oct-15	18.0	7.9	8.6	<1	
Average	18.5	8.02	8.7		
Quality Criteria For Class A		6.5-8.5	6 mg/l or more	2mg/l or less	50 or less

River Ganga U/S Lakshmanjhula

Month	Temp	ph	DO mg/l	BOD mg/l	Total Coliform MPN/100 ml
Jan-15	14.0	7.67	11.2	0.6	Nil
Feb-15	15.0	7.8	10.8	<1	10.0
Mar-15	16.0	7.6	10.4	<1	12.0
Apr-15	17.6	7.12	10.7	<1	12.0
May-15	20.0	7.5	10.6	<1	22.00
Jun-15	21.0	7.5	10.8	<1	26.0
Jul-15	20.0	7.64	8.6	<1	-
Aug-15	21.0	7.82	9.4	<1	Nil
Sept-15	20.0	7.64	9.2	<1	0
Oct-15	19	7.46	9.0	<1	17.0
Nov-15	18	7.61	9.6	<1	14.0
Dec-15	15	7.81	9.8	<1	6.0
Average	18.41	7.59	9.9		11.9
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

Ganga Canal D/S Harki Pauri Haridwar

Month	Temp	ph	DO mg/l	BOD mg/l	Total Coliform MPN/100 ml
Jan-15					
Feb-15	15.0	8.49	9.4	1.6	26
Mar-15	20.0	7.68	8.6	1.2	22
Apr-15	21.0	7.7	10	1.2	22
May-15	21.0	7.86	8	1.0	34
Jun-15	20.0	8.22	8.8	1.2	-
Jul-15	21.0	7.95	8.2	1.2	-
Aug-15	21.5	8.2	8.8	1.0	-
Sept-15	21.0	7.9	10	1.2	-
Oct-15	-	-	-	-	-
Nov-15	19	7.66	10	1.2	40
Dec-15	15	7.5	8.2	1.4	60
Average	19.45	7.91	9.0	1.22	34.0
Quality Criteria For Class A		6.5-8.5	6 mg/l or more	2mg/l or less	50 or less

Upper Ganga Canal D/S Roorkee Haridwar

Month	Temp	ph	DO mg/l	BOD mg/l	Total Coliform MPN/100 ml
Jan-15	14.0	7.5	10.2	0.8	110
Feb-15	16.0	8.5	10.4	1.2	60
Mar-15	19.0	7.3	7.8	1.8	110
Apr-15	20.0	7.6	9.6	1.6	80
May-15	20.0	7.9	10.6	1.6	110
Jun-15	19.0	8.2	18	1.4	-
Jul-15	20.0	8.4	8.0	1.2	-
Aug-15	22.0	7.98	9.2	<1	-
Sep-15	21.0	8.05	9.2	1	-
Oct-15	-	-	-	-	-
Nov-15	19.0	7.74	9.0	1.4	350
Dec-15	15.0	7.64	8.4	1.2	80
Average	19.1	7.96	12.0	1.34	131.6
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

River Ganga D/S Raiwala, Dehradun

Month	Temp	ph	DO mg/l	BOD mg/l	Total Coliform MPN/100 ml
Jan-15	14.0	7.6	8.0	1.2	280
Feb-15	15.0	7.4	8.4	1.4	500
Mar-15	16.0	7.5	8.6	1.2	300
Apr-15	22.0	7.4	8.4	1.2	220
May-15	22.0	7.5	8.2	1.4	280
Jun-15	24.0	7.43	7.8	2.2	240
Jul-15	21.0	7.83	7.6	1.4	220
Aug-15	22.0	7.86	8.2	1.2	280
Sep-15	20.0	7.68	8.0	1.0	350
Oct-15	20.0	7.75	7.8	1.2	500
Nov-15	19.0	7.42	8.8	1.8	280
Dec-15	15.0	7.82	8.6	1.4	350
Average	19.63	7.6	8.21	1.4	320.0
Quality Criteria For Class D		6.5-8.5	4 mg/l or more	-	-

River Suswa D/S Mathurawala, Dehradun

Month	Temp	ph	DO mg/l	BOD mg/l	Total Coliform MPN/100 ml
Jan-15	14.0	7.62	1.2	38.0	>1600
Feb-15	16.0	7.8	1.4	40.0	>1600
Mar-15	17.0	7.9	1.0	38.0	>1600
Apr-15	20.0	7.8	1.0	36.0	>1600
May-15	21.0	7.8	1.0	32.0	>1600
Jun-15	23.0	7.6	1.4	34.0	>1600
Jul-15	22.0	7.66	5.6	12.0	>1600
Aug-15	22.0	8.1	5.4	14.0	>1600
Sep-15	22.0	7.96	4.8	16.0	>1600
Oct-15	20.0	7.81	5.2	14.0	>1600
Nov-15	20.0	7.63	4.0	18.0	>1600
Dec-15	16.0	7.56	2.4	38.0	>1600
Average	19.9	7.8	3.01	26.54	
Quality Criteria For Class E		6.5-8.5	-	-	-

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

Month	Temp	ph	DO mg/l	BOD mg/l	Total Coliform MPN/100 ml
Jan-15					
Feb-15	16	8.65	9.2	1.6	40
Mar-15	20	7.68	9.8	1.4	26
Apr-15	22	7.73	8.4	1.2	22
May-15	21	7.78	9.8	1.2	40
Jun-15	20.5	8.19	8.4	1	-
Jul-15	21.5	7.94	8.4	1	-
Aug-15	22.5	8.01	8.0	1	
Sep-15	21.0	7.72	10.	1	
Oct-15					
Nov-15	18.0	7.74	8.2	1.0	34
Dec-15	15.0	7.86	8.6	1.2	26
Average	19.75	7.93	8.88	1.16	31.33
Quality Criteria For Class A		6.5-8.5	6 mg/l or more	2mg/l or less	50 or less

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

Month	Temp	ph	DO mg/l	BOD mg/l	Total Coliform MPN/100 ml
Jan-15					
Feb-15	15.0	7.85	8.6	<1	40
Mar-15	20.0	7.46	8.4	>1	26
Apr-15	21.0	7.56	10.4	<1	22
May-15	20.5	7.66	9.6	<1	30
Jun-15	18.0	7.83	8.6	<1	
Jul-15	21.0	7.98	8	<1	
Aug-15	22.0	8.11	8.0	<1	-
Sep-15	21.0	7.82	11.2	<1	
Oct-15					
Nov-15	19.0	7.82	9	<1	40
Dec-15	15.0	7.86	8.2	<1	70
Average	19.25	7.79	9.0		38.0
Quality Criteria For Class B		6.5-8.5	5 mg/l or more	3 mg/l or less	500 MPN/100 ml

Ganga U/S Abindughat Dudhiyabad, Haridwar

Month	Temp	ph	DO mg/l	BOD mg/l	Total Coliform MPN/100 ml
Jan-15					
Feb-15	15	8.3	10	<1	40
Mar-15	20	7.86	6	>1	50
Apr-15	22	7.78	8.4	<1	50
May-15	22	7.7	11	<1	70
Jun-15	20	8.31	8.2	<1	
Jul-15	21.5	8.01	7.5	<1	
Aug-15	23.0	8.13	8.8	<1	
Sep-15	21.0	7.86	10.8	<1	
Oct-15	18	7.84		<1	
Nov-15	18	7.76	9.4	<1	70
Dec-15	15	7.83	8.8	1	30
Average	19.59	7.94	8.89		51.6
Quality Criteria For Class B		6.5-8.5	5 mg/l or more	3 mg/l or less	500 MPN/100 ml

Upper Ganga Canal D/S Balkumari Mandir, Ajeetpur, Haridwar

Month	Temp	ph	DO mg/l	BOD mg/l	Total Coliform MPN/100 ml
Jan-15					
Feb-15	16	8.45	8.6	1.4	500
Mar-15	20	8.42	10	1.6	300
Apr-15	22	7.36	9.6	1	500
May-15	19.5	7.92	8.2	1.2	900
Jun-15	19.5	7.75	7.8	1.4	-
Jul-15	21	7.86	8.6	1.2	-
Aug-15	22.5	8.24	11.6	1	-
Sep-15	22.0	7.84	11.2	1.2	-
Oct-15	18	7.85	9.6	1.4	-
Nov-15	19	7.82	8.8	1.8	900
Dec-15	14	8.17	8.8	1.4	500
Average	19.40	7.97	9.34	1.32	600
Quality Criteria For Class C		6.5-8.5	4mg/l or more	3mg/l or less	5000 or less

Upper Ganga Canal Lal Tao Bridge, Haridwar

Month	Temp	ph	DO mg/l	BOD mg/l	Total Coliform MPN/100 ml
Jan-15					
Feb-15	16	8.51	8.6	<1	60
Mar-15	20	7.21	8.6	>1	50
Apr-15	21.5	7.57	7.2	<1	50
May-15	21	7.94	10	<1	60
Jun-15	19.5	8.1	9.2	<1	
Jul-15	21.5	7.89	8	<1	
Aug-15	22.0	7.98	9.2	<1	
Sep15	20	7.82	9.2	<1	
Oct-15					
Nov-15	18	7.78	8.6	<1	60
Dec-15	15	7.92	8.4	1	80
Average	19.45	7.872	8.7	1	60
Quality Criteria For Class B		6.5-8.5	5 mg/l or more	3 mg/l or less	500 MPN/100 ml

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"> Total Coliform Organism MPN/100 ml shall be 50 or less pH between 6.5 and 8.5 Dissolved Oxygen 6mg/l or more Biochemical oxygen demand 5 days 20° C 2mg/l or less
Outdoor Bathing (Organized)	B	<ol style="list-style-type: none"> Total Coliforms Organism MPN/100 ml shall be 500 or less pH between 6.5 and 8.5 Dissolved Oxygen 5mg/l or more 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"> Total Coliforms Organism MPN/100 ml shall be 5000 or less pH between 6.5 and 8.5 Dissolved Oxygen 4mg/l or more Biochemical Oxygen Demand 5 days 20°C 3mg/l or less
Propagation of Wild Life and Fisheries	D	<ol style="list-style-type: none"> pH between 6.5 and 8.5 Dissolved Oxygen 4mg/l or more Free Ammonia (as N) 1.2 mg/l or less
Irrigation Industrial Cooling, Controlled waste disposal	E	<ol style="list-style-type: none"> pH between 6.0 and 8.5 Electrical Conductivity at 25°C micro mhos/cm Max. 2250 Sodium absorption ratio Max. 26 Boron Max. 2 mg/l