



SPCB SIKKIM NEWSLETTER



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NABL Accreditation of the State Air and Water Laboratory under the State Pollution Control Board-Sikkim, Department of Forest and Environment, Deorali.

SPCB-Sikkim being an Environmental Regulatory Authority of the State is entrusted with the responsibility for environmental protection under the Environmental Law which include carrying out environmental monitoring in the state of Sikkim. To fulfill this objective, State Air and Water Laboratory has been established in accordance with the legal mandate provided by the law. Accordingly, pursuant to Section 52 of the Water (Prevention and Control of Pollution) Act, 1974 read with section 28 of Air (Prevention and Control of Pollution) Act, 1981, the State Government had notified the establishment of the laboratory vide notification no.930/F dated 21st August 1996 and published in the Sikkim Government Gazette Extraordinary No. 127 dated 9th September 1996. The said laboratory is located in the Ground floor of C-Block Forest secretariat, Deorali, Gangtok.

It is with immense pleasure SPCB-Sikkim hereby announces that the State Air and Water Laboratory, SPCB-Sikkim has been awarded with the prestigious Accreditation under ISO/IEC 17025:2017 by NABL for "General Requirements for the Competence of Testing and Calibration Laboratories". The accreditation is broadly in three different disciplines viz. Atmospheric pollution, Pollution and Environment (Waste water) and Water (Surface water), with a total of 20 parameters. With this accreditation the State Air and water Laboratory under SPCB-Sikkim has gained recognition in the field of environmental monitoring enabling it to attain standard at par with premium national and international institutions of repute.

Shri. Nima Wongdi Tamang (Retd. IFS officer), Member Secretary of SPCB-Sikkim shares that this accreditation is a culmination of relentless effort by the senior officials and staff of the Board to achieve excellence in environmental monitoring and ensure effective environmental governance in the State under the guidance of the Hon'ble Chief Minister of the State. The NABL accreditation enhances the credibility of the State



NEWLY APPOINTED MEMBER SECRETARY SHRI. N.W. TAMANG(I.F.S.) TAKES CHARGE OF STATE POLLUTION CONTROL BOARD OFFICE



Shri Nima Wongdi Tamang, Retd. IFS joined as new Member Secretary of the State Pollution Control Board – Sikkim. SPCB-Sikkim Board officials and staff welcomed him and an interactive meeting was held to orient the new Member Secretary about the functions, roles and responsibilities of the Board.

Member Secretary visits different Industrial sites across Sikkim



Visit of Glenmark Pharmaceuticals Ltd. at Marchak on 06.11.2024



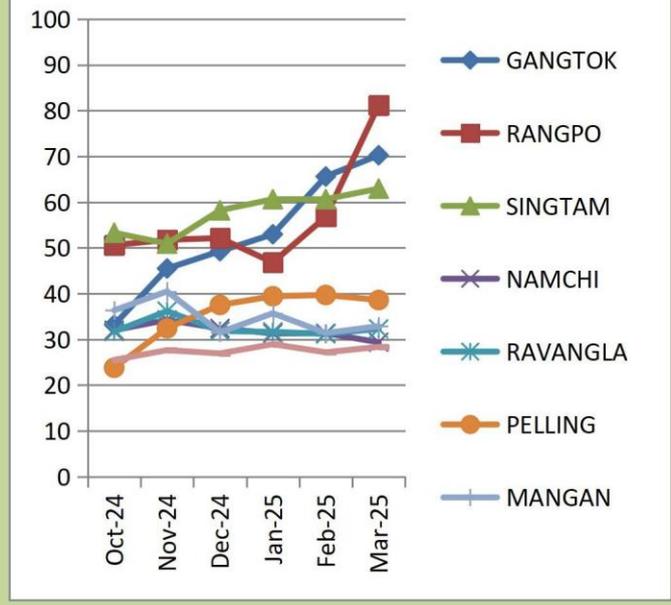
Visit of Gati Infrastructures Hydro Ltd. at Rongli on 16.11.2024



Visit of Rangit Nagar HEP NHPC at Legship on 24.11.2024

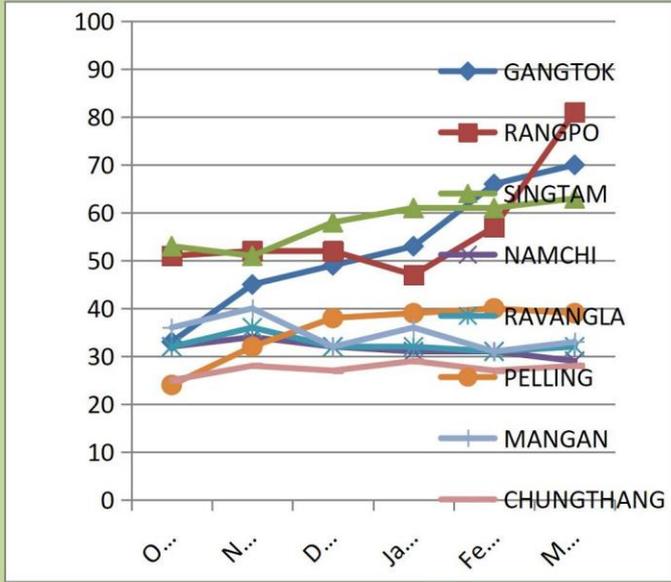
PM10 OF 8 STATIONS (October 2024-March 2025)

MONTH	GANGTOK	RANGPO	SINGTAM	NAMCHI	RAVANGLA	PELLING	MANGAN	CHUNGTHANG
Oct-24	33.17	50.58	53.28	31.98	31.67	23.77	36.32	25.49
Nov-24	45.47	51.74	50.91	34.23	36.16	32.39	40.46	27.62
Dec-24	49.25	52.12	58.18	32.37	31.8	37.5	31.51	26.9
Jan-25	52.95	46.8	60.61	31.29	31.62	39.4	35.68	28.93
Feb-25	65.58	56.76	60.62	31.31	31.16	39.68	31.36	27.15
Mar-25	70.22	81.16	62.92	29.34	32.27	38.57	32.87	28.33



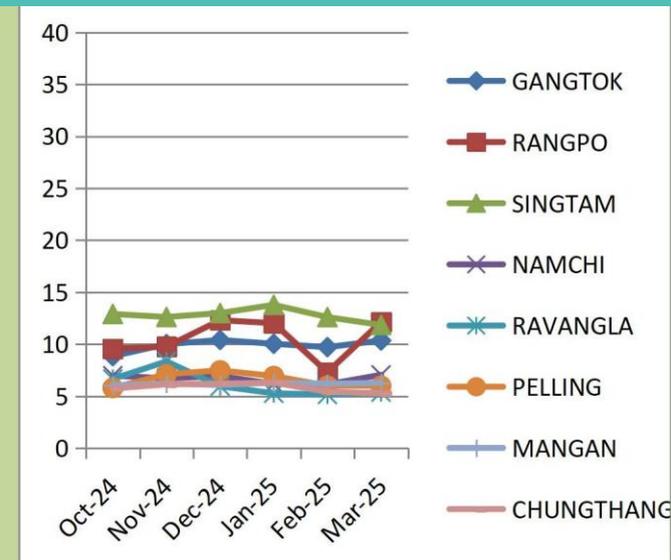
SO2 of 8 stations (Oct 24- March 25)

MONTH	GANGTOK	RANGPO	SINGTAM	NAMCHI	RAVANGLA	PELLING	MANGAN	CHUNGTHANG
Oct-24	5.11	5.62	5.62	4.98	6.11	3.52	3.67	4.79
Nov-24	5	4.64	5.76	4.97	6.77	3.94	3.76	4.96
Dec-24	5.23	5.55	6.29	5.03	5.37	4.83	3.64	5.09
Jan-25	4.81	5.84	6.39	4.81	5.46	4.77	6.83	5.51
Feb-25	5.52	4.22	5.47	4.85	4.97	4.58	3.77	3.86
Mar-25	5.34	4.77	6.72	4.13	5.17	4.51	3.88	3.86



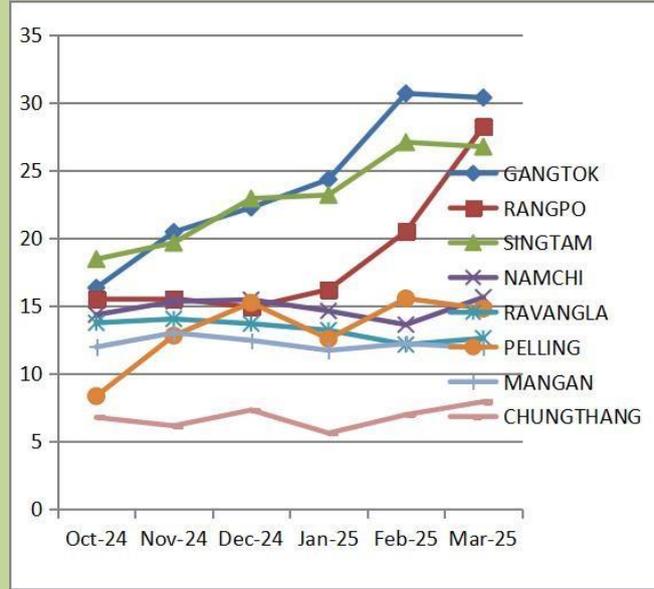
NO2 of 8 Stations (Oct 24- March 25)

Oct-24	8.84	9.56	12.9	6.97	6.65	5.78	6.02	5.73
Nov-24	10	9.76	12.61	6.71	8.34	7.12	6.21	6.13
Dec-24	10.4	12.3	12.99	6.93	5.95	7.47	6.07	6.21
Jan-25	10.03	12.02	13.78	6.17	5.27	6.93	6.29	6.29
Feb-25	9.71	7.3	12.6	6.13	5.15	6	6.2	5.42
Mar-25	10.35	12.13	11.84	7.05	5.37	5.99	6.27	5.27



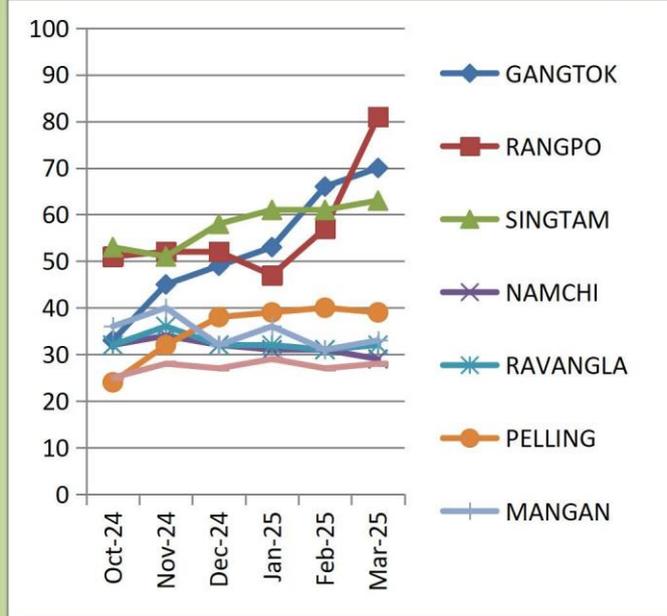
PM2.5 OF 8 STATIONS (October 2024-March 2025)

MONTH	GANGTOK	RANGPO	SINGTAM	NAMCHI	RAVANGLA	PELLING	MANGAN	CHUNGTHANG
Oct-24	16.34	15.5	18.45	14.35	13.75	8.35	11.97	6.78
Nov-24	20.45	15.54	19.66	15.33	14.04	12.81	13.02	6.16
Dec-24	22.25	14.9	22.92	15.46	13.69	15.23	12.46	7.32
Jan-25	24.33	16.21	23.18	14.63	13.21	12.58	11.72	5.62
Feb-25	30.67	20.49	27.07	13.62	12.15	15.55	12.22	6.98
Mar-25	30.36	28.21	26.74	15.64	12.62	14.8	11.91	7.94



AQI OF 8 STATIONS (OCT 2024-MARCH 2025)

MONTH	GANGTOK	RANGPO	SINGTAM	NAMCHI	RAVANGLA	PELLING	MANGAN	CHUNGTHANG
Oct-24	33	51	53	32	32	24	36	25
Nov-24	45	52	51	34	36	32	40	28
Dec-24	49	52	58	32	32	38	32	27
Jan-25	53	47	61	31	32	39	36	29
Feb-25	66	57	61	31	31	40	31	27
Mar-25	70	81	63	29	32	39	33	28



AQI Category and its associated Health Impact

Good (0-50)	Minimal Impact	Poor (201-300)	Breathing discomfort to people on prolonged exposure
Satisfactory (51-100)	Minor breathing discomfort to sensitive people	Very Poor (301-400)	Respiratory illness to the people on prolonged exposure
Moderate (101-200)	Breathing discomfort to the people with lung, heart disease, children and older adults	Severe (>401)	Respiratory effects even on healthy people

INTERACTION WITH SCHOOL STUDENTS OF TNA SCHOOL ON AIR POLLUTION AND SOLID WASTE MANAGEMENT IN SIKKIM ON 29.03.2025 AT SPCB CONFERENCE HALL.



Member Secretary, SPCB-Sikkim chairing Interaction of Board officials with Mr. Varte from Mizoram on 23.09.2024 who was on All India bicycle expedition professing the LiFE Mission and sustainable living .



On 24th September 2024, Mr. Varte, the Green Ambassador from Mizoram, visited Sir Tashi Namgyal Senior Secondary School as part of an environmental outreach initiative. During his inspiring interaction with the students, he shared his enriching experiences from a bicycle expedition across the Northeast, undertaken to raise awareness on environmental conservation and climate action. Through vivid stories and personal reflections, Mr. Varte emphasized the importance of adopting a sustainable lifestyle, highlighting how small, conscious choices—such as cycling over driving, reducing plastic use, and conserving natural resources—can significantly contribute to a healthier planet. His message resonated deeply with the young audience, igniting curiosity and enthusiasm among the students to become active stewards of the environment in their daily lives. The session concluded with an interactive Q&A, leaving a lasting impact on all who attended.



Observance of RTI WEEK

The State Pollution Control Board, Sikkim observed **Right to Information (RTI) Week** from **October 5th to October 12th** in alignment with the nationwide initiative to promote transparency, accountability, and citizens' access to information. During the week, various awareness activities were organized to educate the public and staff about the provisions and importance of the Right to Information Act, 2005.



Visit of third party accredited lab M/s Vimta Labs Ltd., Hyderabad, Telangana on by Smt. Kunzang Bhutia, Senior Scientific Officer, SPCB-Sikkim.



Hon'ble NGT hearing on 16.01.2025 in OA No. 606 of 2018 at Teesta Lounge, Tashiling



SPCB-Sikkim organized an awareness programme on 27th February 2025 at Sidkeong Tulku Conference Hall, Block C, Forest Secretariat on E-Waste Management in collaboration with Hulladek Recycling Private Limited with an objective to create awareness on proper e-waste disposal practices and promote sustainable recycling through authorized channels. The said programme was chaired by Shri N.W. Tamang, Retd. IFS, Member Secretary, SPCB-Sikkim in presence of Shri Karma Legshey, CCF (Environment) and senior officers from concerned Departments and SPCB-Sikkim.



RIVER WATER QUALITY DATA FOR THE MONTH OF MARCH-2025

Station	Type	Sampling date	pH	Cond. μ mhos/Cm	No ₃ -N Mg/l	D.O Mg/l	B.O.D Mg/L	T. Coliform MPN/100ml	Faecal Coliform	TDS Mg/L	TSS Mg/L
1801	River	17-03-2025	7.6	87	1.9	8.2	2.4	28	15	26	21
1802	River	17-03-2025	7.7	83	2.1	8.1	2.3	24	16	28	22
1803	River	04-03-2025	7.7	89	2.4	7.8	2.1	26	15	25	21
1804	River	04-03-2025	7.0	178	2.2	7.5	2.6	94	51	34	25
1805	River	04-03-2025	7.2	127	2.1	7.4	2.3	67	41	25	21
1806	River	04-03-2025	7.5	131	2.2	7.8	2.4	54	37	24	20
1807	River	04-03-2025	7.4	125	2.3	7.6	2.3	48	32	23	19
1808	River	07-03-2025	7.8	142	2.4	7.8	2.2	52	35	22	19
1809	River	07-03-2025	7.5	152	2.2	7.6	2.3	57	39	23	21
2034	River	11-03-2025	7.8	124	2.2	7.9	2.2	39	29	24	22
2035	River	11-03-2025	7.6	136	2.1	7.9	2.3	44	32	26	23
2036	River	11-03-2025	7.6	126	2.3	7.8	2.4	46	35	23	21
2037	River	11-03-2025	7.8	132	2.1	7.9	2.2	51	39	24	21
2038	River	07-03-2025	7.7	145	2.2	8.0	2.4	54	39	23	19
5281	River	15-03-2025	7.8	136	2.3	8.1	2.3	34	23	22	20
5282	River	15-03-2025	7.5	131	2.1	7.9	2.3	42	24	23	21
5283	River	15-03-2025	7.8	127	2.2	8.2	2.2	37	29	21	19
5284	River	15-03-2025	7.9	136	2.1	7.9	2.3	46	33	23	21
5285	River	15-03-2025	7.8	138	2.3	8.0	2.2	47	35	24	22
5286	River	15-03-2025	7.7	164	2.4	7.9	2.4	52	39	23	21
5287	River	15-03-2025	7.8	147	2.2	7.9	2.4	51	37	22	20
5288	River	15-03-2025	7.5	139	2.3	8.0	2.3	57	35	24	21
5289	River	15-03-2025	7.6	147	2.3	8.0	2.4	56	36	24	22
5290	Lake	21-03-2025	7.5	126	1.4	8.1	1.4	37	28	23	21
5291	Lake	21-03-2025	7.2	114	1.5	8.0	1.7	34	27	24	23
5553	River	11-03-2025	7.7	138	2.1	7.9	2.3	47	39	25	21
5554	River	11-03-2025	7.8	142	2.3	7.8	2.3	39	31	26	23
5555	River	11-03-2025	7.7	148	2.1	7.9	2.3	43	35	25	23
5556	River	07-03-2025	7.8	135	2.2	8.1	2.2	45	29	24	22
5557	River	07-03-2025	7.7	139	2.2	7.9	2.3	44	34	26	23

The Details of the monitoring stations are as under

SN	Station code	Name of Station	Latitude °N	Longitude °E
1.	(1801)	Chungthang	27.60	88.64
2.	(1802)	Dikchu	27.40	88.52
3.	(1803)	Burtuk	27.35	88.61
4.	(1804)	Adampool	27.30	88.58
5.	(1805)	Ranipool	27.29	88.59
6.	(1806)	Singtam - Ranichu	27.22	88.49
7.	(1807)	Singtam - Teesta	27.11	88.45
8.	(1808)	Rangpo	27.17	88.52
9.	(1809)	Melli	27.08	88.45
10.	(2034)	Rangeet river at NHPC dam Site	27.29	88.29
11.	(2035)	Rangeet river at Legship	27.27	88.27
12.	(2036)	Rangeet river at Reshi	27.22	88.30
13.	(2037)	Rangeet river at Jorethang	27.13	88.27
14.	(2038)	Rangeet river at Triveni	27.08	88.41
15.	(5281)	Upstream of Dam site (Gati Infrastructure Private Ltd.) Rangpo river	27°14'18.66 "N	88°42'35.74" E
16.	(5282)	Downstream of Dam site(Gati Infrastructure Private Ltd.)Rangpo River.	27°14'2.74"N	88°42'31.26 "E
17.	(5283)	Upstream of Dam site (Gati Infrastructure Private Ltd.)	27°12'15.47"N	88°42'46.45 "E
18.	(5284)	Downstream of Dam site (Gati Infrastructure Private Ltd.)	27°12'23.87"N	88°41'6.20" E
19.	(5285)	Power house Downstream of (Gati Infrastructure Private Ltd.)	27°12'32.50"N	88°39'55.91 "E
20.	(5286)	Upstream of Rorathang Bazar (above Swiss Garnier)	27°11'50.38"N	88°37'58.24"E
21.	(5287)	Downstream of Rorathang Bridge	27°11'43.99"N	88°36'28.51"E
22.	(5288)	Downstream of Pharma Plant Kumrek	27°10'54.02"N	88°32'25.89" E
23.	(5289)	Downstream of Madhya Bharat Power house	27°10'42.31"N	88°32'0.33" E
24.	(5290)	Menmoitso Lake	27°19'44.15"N	88°50'57.21" E
25.	(5291)	Changu lake	27°22'35.90"N	88°45'56.37" E

Disclaimer

Efforts have been made to make the data and information provided in this newsletter as accurate as possible. The use of data and information published by SPCB Sikkim should be duly cited.

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THE
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