

ANNUAL REPORT 2023-2024



STATE POLLUTION CONTROL BOARD SIKKIM, FOREST SECRETARIAT,
C BLOCK, DEORALI, GANGTOK-737102, EAST SIKKIM, INDIA

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FOREWORD

The State Pollution Control Board- Sikkim (SPCB-Sikkim) is the premier organization of the State Forest and Environment Department for regulating environment pollution related issues across the State. It is a statutory authority entrusted to implement various environmental laws, acts and rules within the jurisdiction of the State of Sikkim.

SPCB-Sikkim publishes its Annual Report to enlighten its significant role in the field of prevention, control and abatement of pollution & environment conservation. The said report mainly compiles the manifold activities of the State Board including management of different classified wastes; industrial pollution control; monitoring of ambient air quality, water quality of major rivers and other water bodies; noise level; various regulatory activities and numerous environmental awareness programmes.

The Annual Report 2023-2024 has seven (07) chapters summarizing the useful environmental monitoring data and the status of compliance and monitoring and other annual activities.

Sincere efforts have been made to compile this report by SPCB-Sikkim team and we hope that the information provided in this report shall be beneficial to the students, researchers and scholars. The environmental data and status of compliance may serve as primary data for environmental assessment studies and also guide the decision making authorities while framing any environmental policy.

I am grateful for the sincere efforts of my colleagues in compiling this report and it gives me immense pleasure to present this Annual Report.

DR. GOPAL PRADHAN
MEMBER SECRETARY

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INTRODUCTION

The Government of Sikkim entrusted the implementation of Water (Prevention and Control of Pollution) Act, 1974 through Notification No. 51(7)/ Home/88/868 dated 21/07/1988 to Land Use and Environment Board and the Act came into force with effect from 25/02/1989 in the State through notification no. 1(4) F/89/214 dated 17/07/1989.

The State Pollution Control Board- Sikkim (SPCB-Sikkim) was created under the provision of sub-section (1) of section 4 of the Water (Prevention and Control of Pollution) Act, 1974 through Government notification no. 30/Home/2008 dated 19/03/2008 published in Extraordinary Gazette no. 119 dated 10/04/2008.

The main function of SPCB-Sikkim is to act as a regulatory body in addition to advisory body. SPCB-Sikkim (The Board) is mandated with the function to advise the State Government on any matter concerning the prevention, control or abatement of water pollution. Under the Water Act (1974) the Board is mandated to advice the State Government with respect to the location of any industry the carrying on which is likely to pollute a stream or well. Under the regulatory function, the Board is bestowed with the power of implementation of different Acts and Rules pertaining to environment pollution control.

The State Pollution Control Board –Sikkim implements the following Acts and Rules in the State of Sikkim:

1. Water (Prevention & Control of Pollution) Act, 1974.
2. Air (Prevention & Control of Pollution) Act, 1981.
3. Environment (Protection) Act, 1986.
4. Public Liability Insurance Act, 1991.
5. Hazardous & Other Wastes (Management & Trans boundary Movement) Rules, 2016 and its amendments.
6. Bio-Medical Waste Management Rules, 2016 and its amendments.
7. Solid Waste Management Rules, 2016.
8. Plastic Waste Management Rules, 2016 and its amendments.
9. E-Waste (Management) Rules, 2016 and its amendments.
10. Construction and Demolition Waste Management Rules, 2016.
11. Noise Pollution (Regulation & Control) Rules, 2000.
12. Batteries (Management & Handling) Amendment Rules, 2000.

SPCB-Sikkim is also mandated to perform such other functions as may be prescribed or as may, from time to time, be entrusted to it by Central Pollution Control Board or the State Government.

The Board works under the administrative control of Forest and Environment Department, Government of Sikkim.

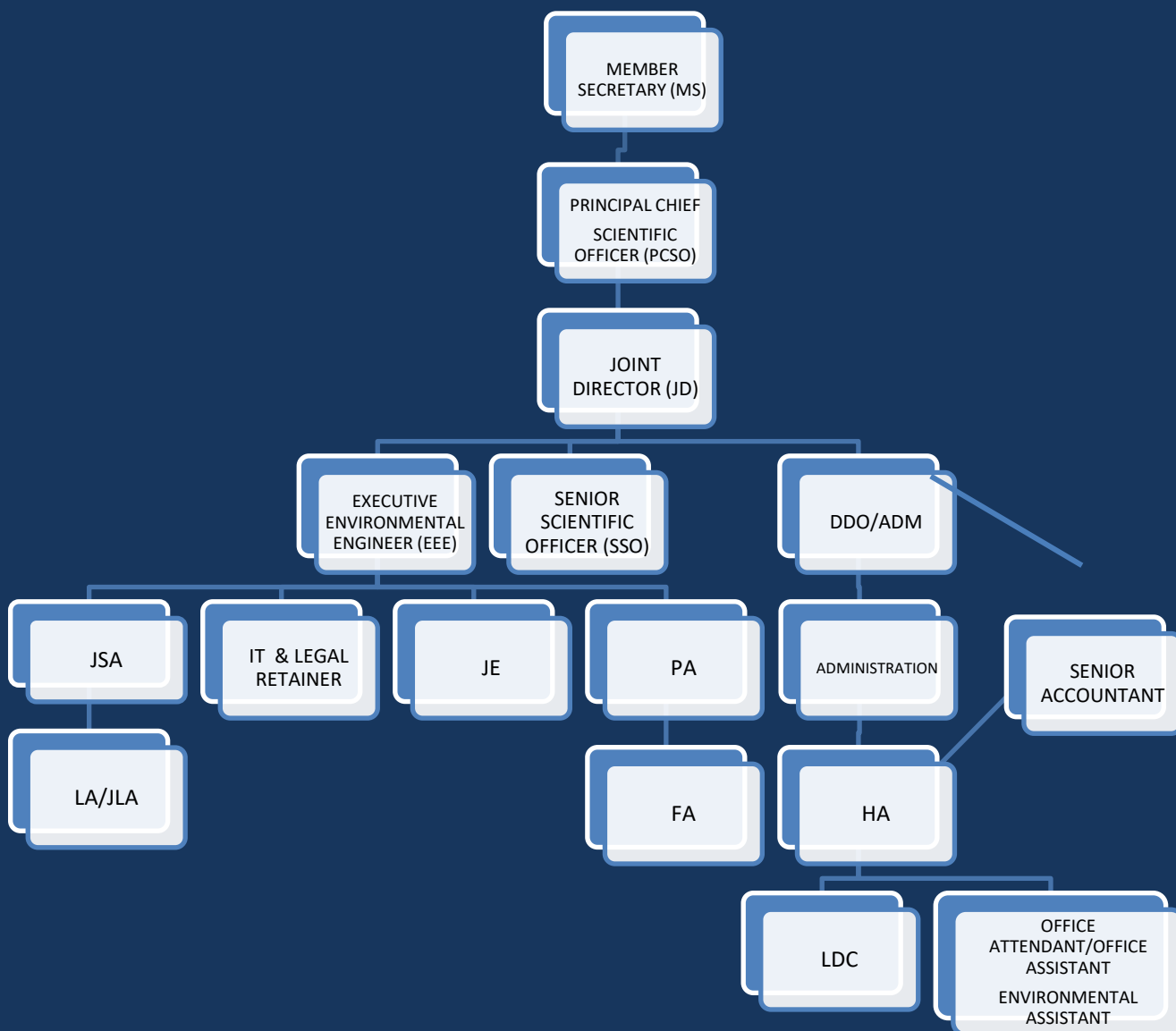
STRUCTURE OF STATE POLLUTION CONTROL BOARD- SIKKIM (2023-2024)

Constitution of State Pollution Control Board Sikkim during 2023-2024

1. Secretary, Forest and Environment Department - Member
2. Secretary, Urban Development Department - Member
3. PCE-cum-Secretary, Public Health Engineering Department-Member
4. Secretary, Transport Department-Member
5. Deputy Mayor, Gangtok Municipal Corporation - Member
6. Up-Adhakshyas- Gangtok, Pakyong, Mangan, Soreng, Geyzing, Namchi Districts (Additional member as special invitee)-Member
7. Principal Director, Health and Family Welfare Department -Expert Member.
8. Sh. T. Tashi Bhutia, Technocrat- Expert Member.
9. Dr. M. P. Thapa, Academician – Expert Member.
10. Dr. Gopal Pradhan - Member Secretary.

Manpower deployment under SPCB-Sikkim during 2023-2024

1. Principal Chief Scientific Officer(CSO) – 01
2. Joint Director (JD) – 01
3. Senior Scientific Officer (SSO) -01
4. Executive Environmental Engineer (EEE) – 01
5. Drawing and Disbursing Officer (D&DO) - 01
6. Junior Scientific Assistant (JSA) – 03
7. Laboratory Assistant (LA) – 04
8. Jr. Laboratory Assistant (JLA) - 01
9. Project Assistant (PA) – 14
10. Field Assistant (FA) – 17
11. Junior Engineer (JE) -01
12. Senior Accountant – 01
13. Legal Retainer – 01
14. Head Assistant (HA) - 01
15. Administrative Staff – 16



ORGANIZATIONAL CHART (2023-2024)
STATE POLLUTION CONTROL BOARD SIKKIM

CHAPTER 03-

MEETINGS OF THE BOARD

I. 18TH BOARD MEETING

The 18th Board meeting of SPCB-Sikkim was conducted on 22.11.2023 at conference hall of Parivesh Bhawan, SPCB-Sikkim. The Board unanimously nominated Dr. Pradeep Kumar, Secretary, Forest and Environment Department, an ex-officio member of the Board to preside over the said meeting in the absence of the Chairman.

The recruitment rules for appointment of Chairman and Member Secretary of the Board was notified by the Forest and Environment Department however, the Law Department had observed that the said rule was notified without consultation with the Board. Hence, an amendment was proposed and said the draft amendment was placed before the Board for seeking inputs and comments from the Board members. Citing the paucity of time, the Secretary, Forest and Environment Department proposed that the said amendments be placed in the next meeting and further suggested that for the time being only the tenure of service of Chairman be reduced from 05 years to 03 years in the previous Recruitment Rules published vide notification no. GOS/FEWMD/PR.SECY-PCCF/290 dated 26.11.2016.

The Board was apprised that the Central Pollution Control Board has sanctioned establishment of fourteen (14nos.) new air monitoring stations under National Ambient Air Monitoring Programme out of which three (03nos.) rural stations are planned to be set up. It was deliberated by the Board to include all the Hon'ble Zilla Up-Adhakshyas to be members of the Board by including one member as special invitee in rotation basis. It was also proposed to include Secretary, Commerce and Industries Department as a member of Board whenever reconstitution of Board members shall be taken up by the State Government. The Secretary (F&ED) also suggested having representation from industrial units and agricultural co-operatives/FPOs as members of the Board. The other administrative, technical and accounts agendas were also discussed upon and given approval by the Board. The Board members confirmed the minutes of 17th Board meeting.



Photo 01: 18th Board Meeting presided over by Dr. Pradeep Kumar, Secretary, Forest and Environment

II. 19TH BOARD MEETING

The 19th Board meeting was convened on 30.07.2024 in the conference hall of Parivesh Bhawan, SPCB-Sikkim. The meeting was presided over by Ms. Tshering Palden Bhutia, Hon'ble Deputy Mayor, Gangtok Municipal Corporation. The overview of SPCB-Sikkim since its primordial form in State Land Use Board was described in short by Dr. Pradhan, Member Secretary. The present achievements of the Board were also presented. The following agendas were approved during the meeting:

- i. Establishment of new five stations under NWMP.
- ii. Empanelment charge of Rs. 50,000/- for NABL accredited Labs for carrying out third party monitoring.
- iii. Proposed amendment in the recruitment rules of Chairman and Member Secretary of SPCB-Sikkim.

In addition to these agendas several administrative and financial agendas were discussed and approved. The Board members confirmed the minutes of 18th Board meeting.



Photo 02,03 & 04: 19th Board Meeting presided over by Hon'ble Deputy Mayor, Gangtok Municipal Corporation.

CHAPTER 04-

BUDGET & EXPENDITURE 2023-2024

Budget & Expenditure statement for FY 2023-24 in respect of State Pollution Control Board -Sikkim

SL No	Budget Head	Allocation (2023-24)	Expenditure (2023-24)
(A)	Funded/Reimbursed by CPCB		
1	Salary (JSA, LA Sweeper, MR Driver)	₹ 32,00,000	₹ 25,44,500
2	Salary of PA& FA Under NAMP	₹ 53,50,000	₹ 53,47,417
3	Salary of Member Secretary (SPCB)	₹ 13,00,000	₹ 12,78,216
4	NAMP Laboratory Expenses	₹ 15,00,000	₹ 8,25,752
5	NWMP Laboratory Expenses	₹ 25,00,000	₹ 77,100
6	Salary of IT Engineer (OCMMS)	₹ 3,60,000	₹ 3,60,000
7	Payment to NIC for OCMMS maintenance	₹ 13,00,000	₹ 10,44,651
8	CAAQMS (Procurement and Installation)	₹ 18,62,560	₹ 18,62,560
9	CAAQMS (AMC for 3 yrs)	₹ 15,00,000	₹ 0
10	Maintenance of CAAQMS stations	₹ 2,00,000	₹ 0
11	Furnishing and installation of Mob lab Vehicle	₹ 3,00,000	₹ 0
12	Study and Monitoring HA Lake in Sikkim	₹ 18,00,000	₹ 17,93,836
13	Establishment of New NAMP Stations	₹ 75,40,000	₹ 36,28,318
	Total (A)	₹ 2,87,12,560	₹ 1,87,62,350
(B)	From SPCB-Sikkim Consent fees collection		
14	Honorarium to Officer and Staffs attached SPCB	₹ 4,00,000	₹ 3,52,000
15	Standing counsel fees	₹ 10,41,925	₹ 0
16	Monitoring for Air Quality during Deepawali	₹ 7,00,000	₹ 3,34,777
17	Pollution control activities	₹ 10,00,000	₹ 0
18	HSD, POL and Vehicle Maintenance	₹ 20,00,000	₹ 18,03,526
19	Office Expenses	₹ 15,00,000	₹ 12,77,046
20	Awareness Programme	₹ 25,00,000	₹ 20,67,374
21	Regional Conference of N.E. SPCB	₹ 15,00,000	₹ 0
22	Miscellaneous(Meeting, Annual report Preparation)	₹ 5,00,000	₹ 3,22,262
23	Contingency	₹ 2,00,000	₹ 1,71,799
24	Upgradation of Existing NAMP Stations	₹ 10,00,000	₹ 0
25	Training Laboratory staff	₹ 3,00,000	₹ 93,218
26	NABL Accreditation	₹ 5,00,000	₹ 1,92,450
27	Procurement of Audio System and Maintenance of conference Hall	₹ 3,00,000	₹ 2,99,900
28	Monitoring of Hydel Projects (4 projects @Rs. 2 lakh/project)	₹ 8,00,000	₹ 0
29	Beautification of SPCB Office Entrance & office space	₹ 35,00,000	₹ 34,99,526
30	Procurement of Vehicle for MS and PCSO	₹ 44,58,075	₹ 44,58,075
31	Travelling Expenses	₹ 5,00,000	₹ 3,27,628
32	Hackathon (Mission life)	₹ 5,00,000	₹ 0
33	Miscellaneous		₹ 6,26,200
	Total (B)	₹ 2,32,00,000	₹ 1,58,25,781
	Total (A+B)	₹ 5,19,12,560	₹ 3,45,88,131

ENVIRONMENTAL MONITORING DATA

SPCB-Sikkim primarily conducts environmental monitoring of air and water quality under National Ambient Air Monitoring Programme (NAMP) and National Water Quality Monitoring Programme (NWMP) respectively at designated air/water stations established in different locations of the State under the aegis of Central Pollution Control Board, Ministry of Environment, Forest and Climate Change (MoEF & CC), Government of India, New Delhi.

ENVIRONMENTAL MONITORING DATA UNDER NATIONAL AMBIENT AIR QUALITY MONITORING PROGRAMME FOR THE PERIOD 2023-2024

The air quality monitoring was conducted throughout the year in all the eight stations of the state and as per the findings the level of air pollutants remained significantly low in all locations.

Air Quality Index (AQI) shown in Figure 1 has been calculated as per the CPCB guidelines taking into account four criteria pollutants in the State viz. PM₁₀, NO₂, SO₂ and PM_{2.5}. As per the findings, the air quality at all location remain less affected by the pollution as it hovered between “good” and “satisfactory” level during all seasonal variations. The station wise AQI ranges were as follows viz. a. Gangtok (AQI: 13-77) b. Rangpo (AQI: 41-71) c. Singtam (AQI: 45-76) d. Namchi (AQI: 28-38) e. Pelling (AQI: 6-64) f. Mangan (AQI: 24-67) g. Chungthang (AQI : 23-36).

AQI	0-50	51-100	101-200	201-300	301-400	401-500
Remarks	Good	Satisfactory	Moderate	Poor	Very Poor	Severe

Figure 1: Air Quality Index

In accordance to the standard prescribed by the MoEF&CC, Govt. of India, the SPCB-Sikkim carried out minimum of 104 sampling at each station across the state. The overall status of air quality during the monitoring period has been shown in Figure 1 comprising 823 sampling in eight stations between April 2022 to March 2023, which demonstrates that mostly of the time the air quality was found to be “good” and remaining one third of the

time it was “satisfactory”. In no occasion, it breached the satisfactory level and not a single case of “Moderate” level was recorded.

Station wise depiction of the AQI is given in Figure 2 which also highlights the AQI vacillating between “Good” and “Satisfactory” level throughout the year.

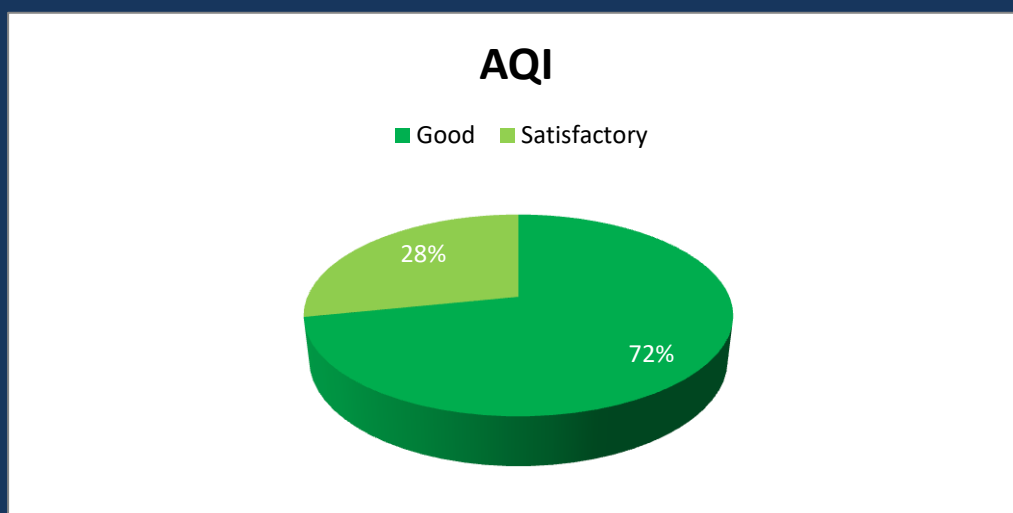


Figure 2. Percentage of monitoring days showing “Good” & “Satisfactory” level of AQI out of 823 sampling in 08 stations during 2023-24.

TABLE 1: STATION WISE AMBIENT AIR QUALITY MONITORING DATA (ANNUAL AVERAGE) FOR THE YEAR 2023-2024.

Sl No.	STATION CODE	LATITUDE/LONGITUDE	STATION NAME	TYPE	RSPM	So ₂	No ₂
1.	521	i. 27.3183’N ii. 88.6063’E	Gangtok	Residential	33.6	4.67	9.25
2.	896	i. 27.1736’N ii. 88.5305’E	Rangpo	Residential	57.1	5.44	11.94
3.	897	i. 27.5144’N ii. 88.5305’E	Singtam	Residential	62.89	4.77	10.87
4.	898	i. 27.3028’N ii. 88.2344’E	Pelling	Residential	25.37	6.36	2.52
5.	899	i. 27.3075’N ii. 88.363’E	Ravangla	Residential	20.4	3.79	3.96
6.	900	i. 27.17’N ii. 88.35’E	Namchi	Residential	33.74	4.52	6.12
7.	901	i. 27.6033’N ii. 88.6469’E	Chungthang	Residential	29.55	3.42	3.47
8.	902	i. 27.5025’N	Mangan	Residential	41.43	2.96	3.78

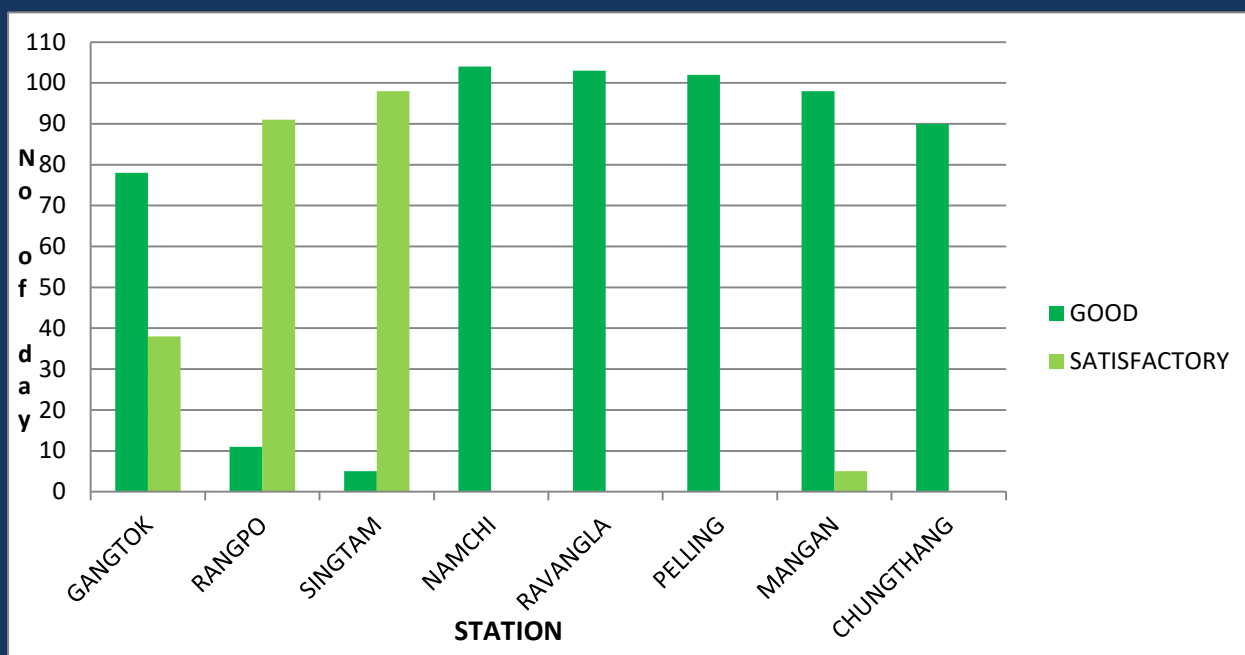


Figure 3. Station wise depictions of the AQI

TABLE 2: AQI OF 8 STATIONS FOR THE PERIOD OF APRIL 2023- MARCH 2024.

MONTH	GANGTOK	RANGPO	SINGTAM	NAMCHI	RAVANGLA	PELLING	MANGAN	CHUNGTHANG
Apr-23	50	60	66	33	24	39	45	30
May-23	53	61	66	35	20	35	46	31
Jun-23	35	58	58	34	23	25	47	29
Jul-23	27	59	55	33	24	16	46	29
Aug-23	29	56	59	34	23	19	38	27
Sep-23	38	58	57	34	23	29	42	26
Oct-23	28	55	60	35	23	28	36	
Nov-23	44	57	69	35	23	31	42	33
Dec-23	52	56	70	35	23	29	33	31
Jan-24	54	54	70	32	21	33	39	29
Feb-24	69	57	64	32	21	36	41	31
Mar-24	60	53	61	33	20	34	42	30

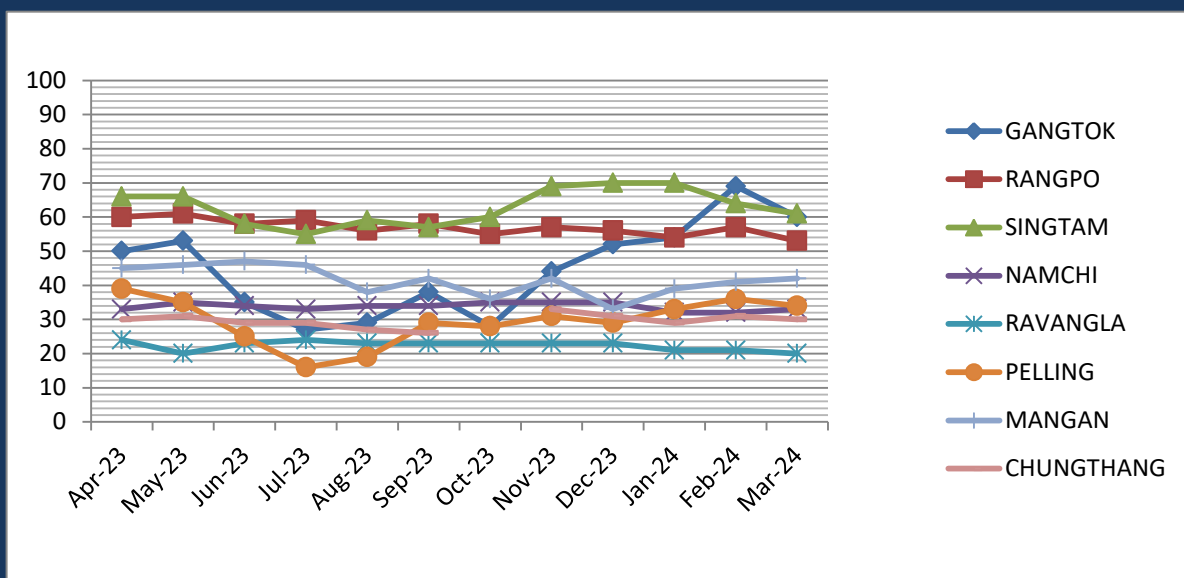


Figure 4. Station wise depictions of the monthly AQI

TABLE 3: ANNUAL AVERAGE VALUES OF PM₁₀ (mg/m³) FOR THE YEAR 2023-2024

AIR STATION	PM 10 VALUES (µg/m ³)
GANGTOK	33.60
RANGPO	57.10
SINGTAM	62.89
PELLING	25.37
RAVANGLA	20.40
NAMCHI	33.74
CHUNGTHANG	29.55
MANGAN	41.43

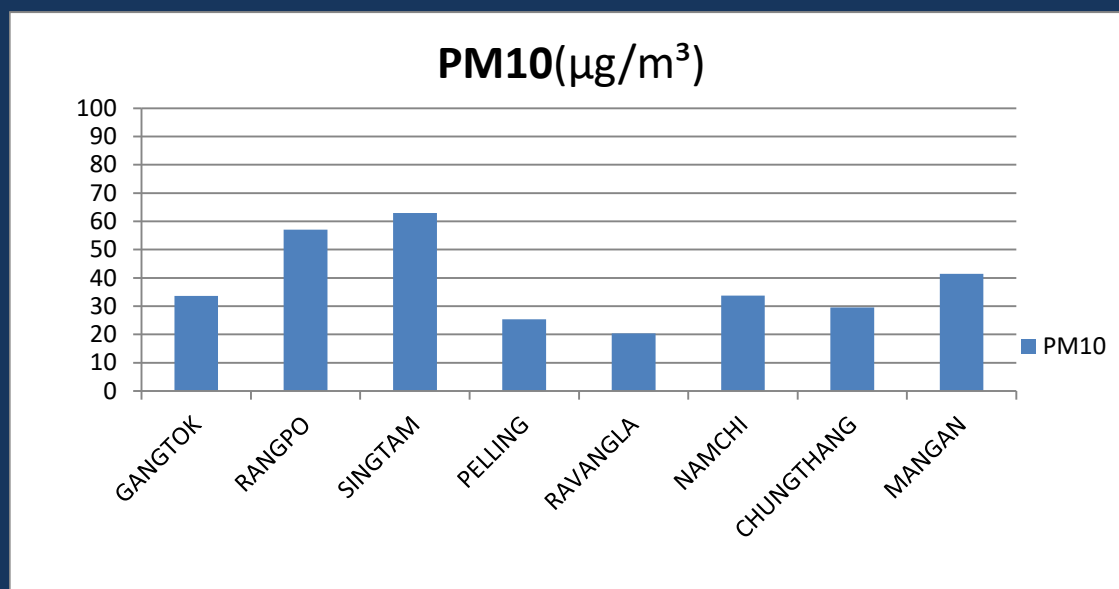


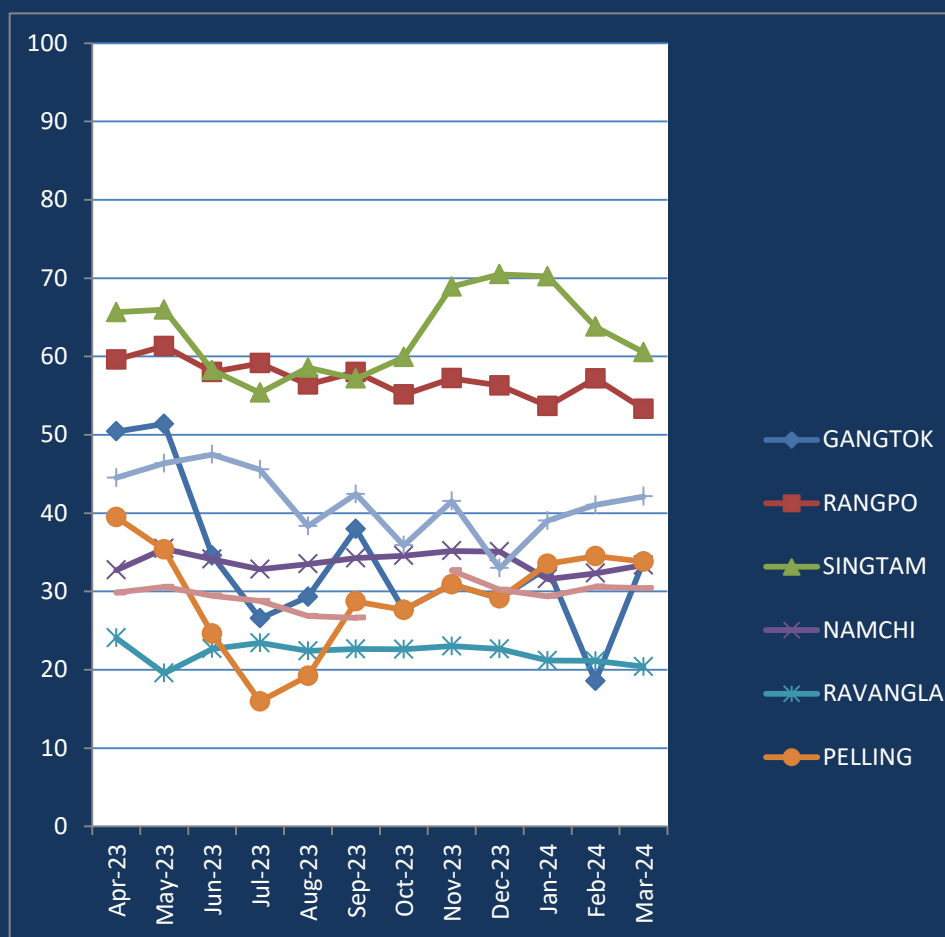
Figure 5: Annual average values of PM10 ($\mu\text{g}/\text{m}^3$) station wise for the year 2023-2024.

TABLE 4: MONTHLY AVERAGE VALUES OF PM10 ($\mu\text{g}/\text{m}^3$) STATION WISE FOR THE YEAR 2023-2024

MONTH	GANGTOK	RANGPO	SINGTAM	NAMCHI	RAVANGLA	PELLING	MANGAN	CHUNGTHANG
Apr-23	50.42	59.59	65.64	32.72	24.06	39.49	44.52	29.84
May-23	51.37	61.3	65.96	35.46	19.57	35.34	46.35	30.57
Jun-23	34.58	58.01	58.25	34.11	22.68	24.6	47.48	29.45
Jul-23	26.55	59.13	55.36	32.82	23.43	15.95	45.55	28.77
Aug-23	29.31	56.41	58.58	33.5	22.41	19.21	38.35	26.86
Sep-23	37.97	58.00	57.16	34.26	22.65	28.72	42.43	26.64
Oct-23	27.64	55.11	59.91	34.57	22.6	27.64	35.88	
Nov-23	30.9	57.21	68.91	35.17	23.02	30.90	41.51	32.69
Dec-23	29.11	56.29	70.48	35.07	22.66	29.11	32.96	30.22
Jan-24	33.03	53.66	70.22	31.57	21.17	33.53	39.04	29.38
Feb-24	18.54	57.18	63.78	32.31	21.14	34.50	41.03	30.59
Mar-24	33.81	53.31	60.53	33.36	20.4	33.81	42.12	30.41



Photo 05: Changing of filter paper for PM₁₀ analysis of air sample at Singtam air monitoring station



Prescribed standard 24 hourly=100 µg/m³

Figure 6: Monthly average values of PM₁₀ (µg/m³) station wise for

TABLE 5: ANNUAL AVERAGE VALUES OF SO2 (µg/m³) STATION WISE FOR THE YEAR 2023-2024

AIR STATION	SO2 VALUES (µg/m³)
GANGTOK	4.67
RANGPO	5.44
SINGTAM	4.77
PELLING	6.36
RAVANGLA	3.79
NAMCHI	4.52
CHUNGTHANG	3.42
MANGAN	2.96

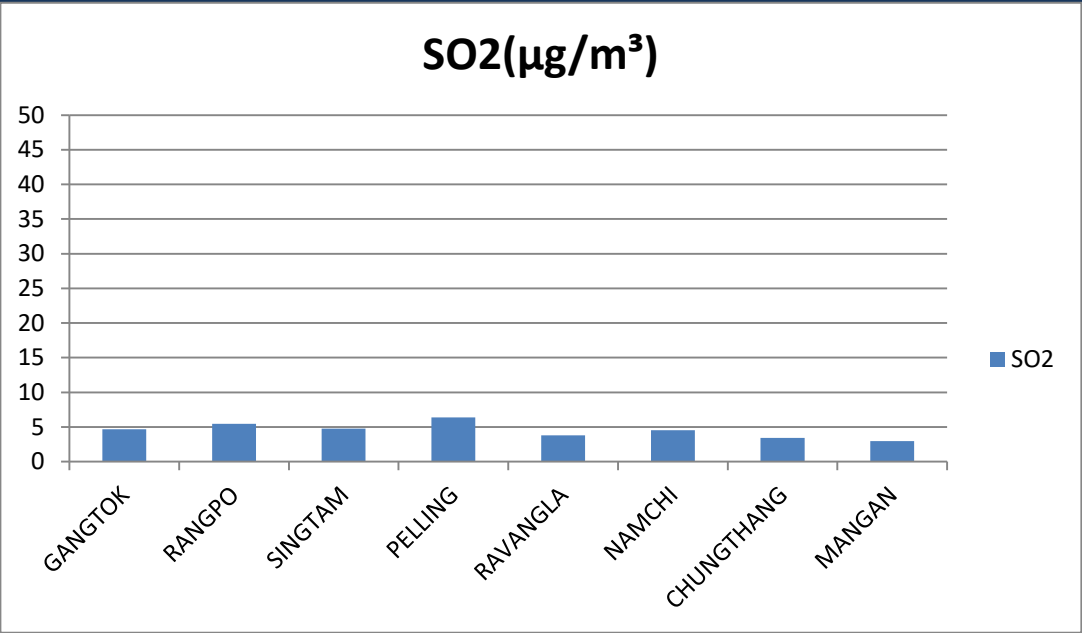


Figure 7: Annual average values of SO2 (µg/m³) station wise for the year 2023-2024

TABLE 6: MONTHLY AVERAGE VALUES OF SO₂ (µg/m³) STATION WISE FOR THE YEAR 2023-2024

MONTH	GANGTOK	RANGPO	SINGTAM	NAMCHI	RAVANGLA	PELLING	MANGAN	CHUNGTAN G
Apr-23	3.81	3.32	5.16	4.48	3.61	7.05	3.9	3.81
May-23	3.12	4.34	4.56	4.77	3.78	6.79	3.78	3.35
Jun-23	4.17	7.44	4.18	4.76	4.1	5.98	3.13	2.86
Jul-23	3.09	6.63	4.1	4.35	3.81	6.22	2.87	2.57
Aug-23	3.53	6.36	4.79	5.28	3.81	6.87	2.57	2.88
Sep-23	4.63	5.74	6	4.82	3.94	6.56	3.02	2.7
Oct-23	4.61	5.3	3.91	4.59	3.92	6.17	2.34	
Nov-23	6.25	3.97	4.38	4.44	4.39	5.55	3.5	3.48
Dec-23	5.84	4.24	4.55	4.75	4.09	6.2	2.85	3.48
Jan-24	5.52	6.68	4.45	3.78	3.5	5.3	2.76	4.09
Feb-24	5.47	7.62	5.3	4.35	3.4	6.77	2.41	4.76
Mar-24	6	3.75	5.96	3.86	3.21	6.9	2.45	4.22



Photo 06: SO₂ (µg/m³) analysis of Air sample at Gangtok air monitoring lab

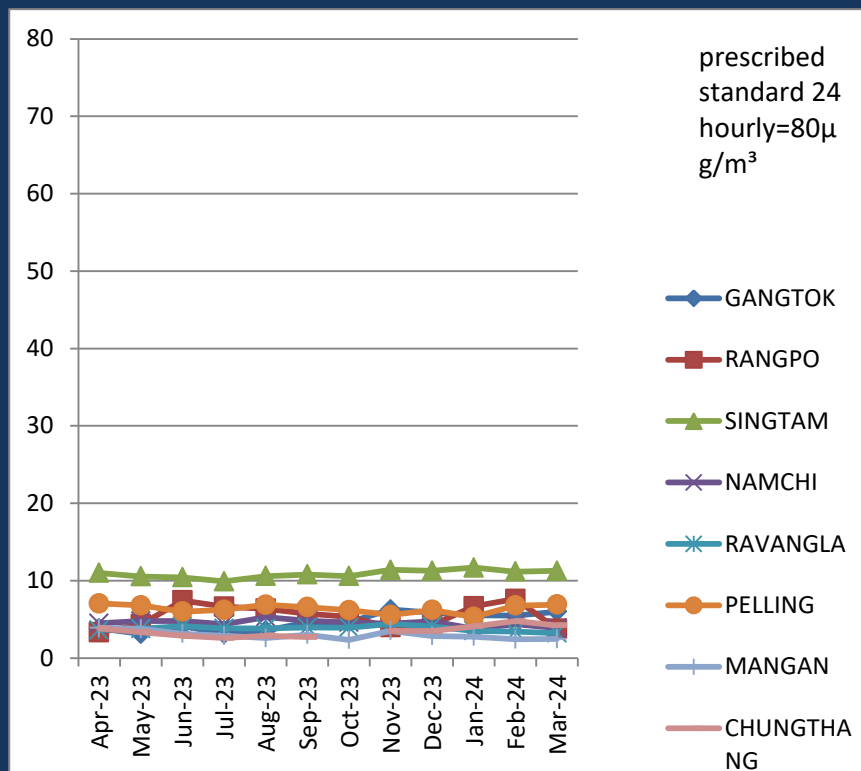


Figure 8: Monthly average values of SO₂ (µg/m³) station wise for the year 2023-2024



Photo 07: NO₂ (µg/m³) analysis of air sample at Gangtok Air monitoring lab

TABLE 7: ANNUAL AVERAGE VALUES OF NO₂(µg/m³) STATION WISE FOR THE YEAR 2023-2024.

AIR STATION	NO2 VALUES (µg/m ³)
GANGTOK	9.25
RANGPO	11.94
SINGTAM	10.87
PELLING	2.52
RAVANGLA	3.96
NAMCHI	6.12
CHUNGTHANG	3.47
MANGAN	3.78

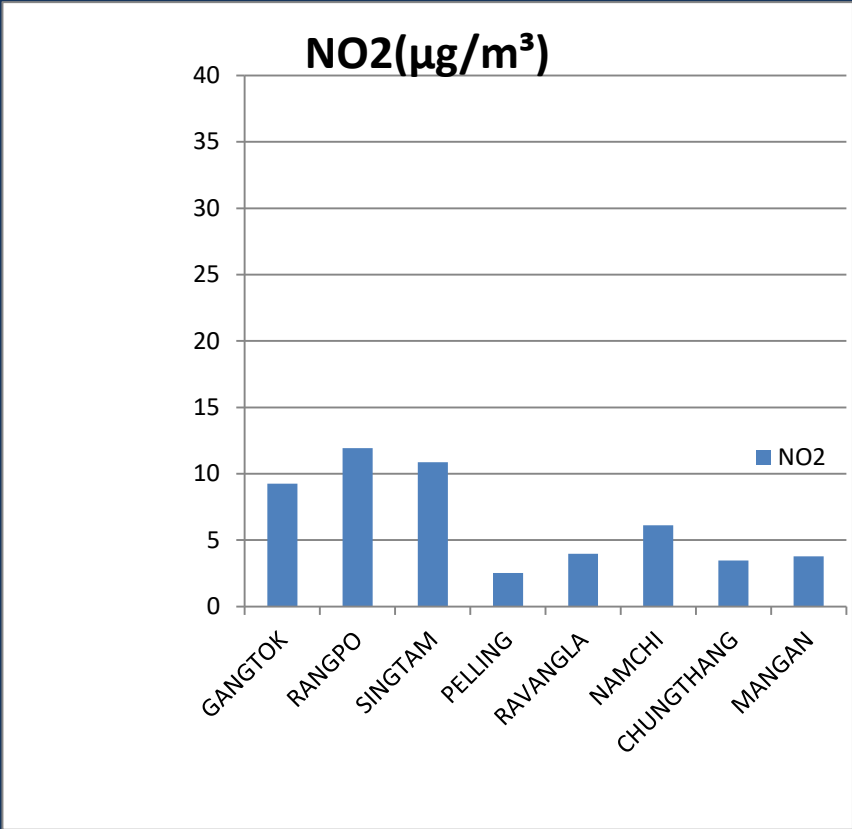


Figure 9: Annual average values of NO₂ (µg/m³) station wise for the year 2023-2024

TABLE 8: MONTHLY AVERAGE VALUES OF NO₂ (µg/m³) STATION WISE FOR THE PERIOD OF 2023-2024.

MONTH	GANGTOK	RANGPO	SINGTAM	NAMCHI	RAVANGLA	PELLING	MANGAN	CHUNGTHANG
Apr-23	10.74	8.61	11	5.69	3.21	2.52	3.33	1.44
May-23	8.5	7.43	10.53	7.35	3.59	2.95	3.38	1.62
Jun-23	7.59	11.8	10.42	7.29	3.66	3.02	3.4	1.68
Jul-23	7.81	10.85	9.9	5.45	3.72	2.31	4.07	1.67
Aug-23	6.76	14.06	10.59	6.78	3.73	2.36	3.77	1.6
Sep-23	8.24	15.36	10.78	6.23	4.02	3.21	4.41	3.45
Oct-23	8.55	13.82	10.59	6.52	4.27	2.76	3.66	
Nov-23	10.43	12.23	11.38	5.9	4.62	1.83	3.66	4.69
Dec-23	11.37	13.49	11.27	6.32	4.19	1.75	3.99	4.42
Jan-24	9.67	13.05	11.67	5.12	4.3	2.51	4	5.09
Feb-24	9.87	12.31	11.16	5.51	4.54	1.68	3.85	5.35
Mar-24	11.55	10.36	11.26	5.39	3.73	3.38	3.92	5.93



Photo 08: NO₂ (µg/m³) analysis of Air sample at Pakshep Air monitoring lab, Mangan

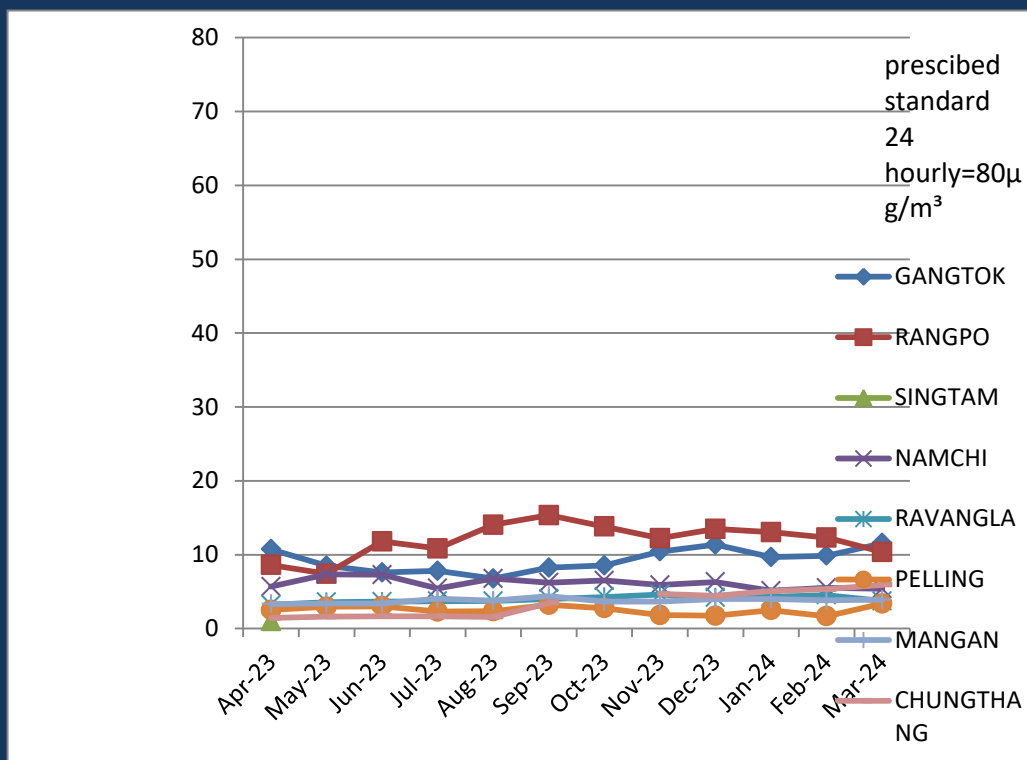


Figure 10: Monthly average values of NO₂ (µg/m³) station wise for the year 2023-2024



Photo 09 & 10: NO₂ (µg/m³) analysis of air sample at Pelling & Chungthgang Air monitoring lab.

TABLE 9: MONTHLY AVERAGE VALUES OF PM 2.5 ($\mu\text{g}/\text{m}^3$) OF GANGTOK STATION FOR THE YEAR 2023-2024.

MONTH	PM 2.5 ($\mu\text{g}/\text{m}^3$) VALUES OF GANGTOK STATION
April 2023	21.56
May 2023	22.98
June 2023	15.42
July 2023	14.02
August 2023	10.79
September 2023	17.31
October 2023	12.48
November 2023	20.09
December 2023	29.95
January 2024	27.20
February 2024	28.36
March 2024	25.41

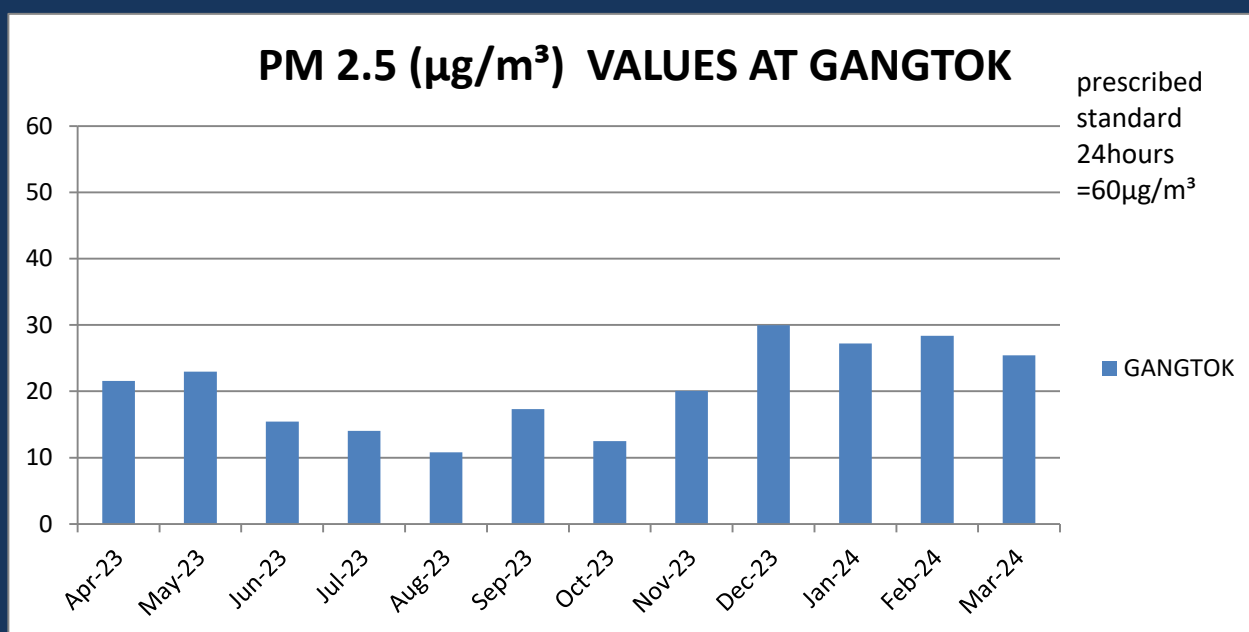


Figure 10: Monthly average values of PM 2.5 ($\mu\text{g}/\text{m}^3$) values at Gangtok station for the year 2023-2024.



PHOTO 11: Analysis of NO₂ (µg/m³) at Bagheykola Lab

II. ENVIRONMENTAL MONITORING DATA UNDER NATIONAL WATER QUALITY MONITORING PROGRAMME (NWMP) FOR THE PERIOD 2023-2024.

The Central Pollution Control Board (CPCB) in collaboration with State Pollution Control Boards (SPCBs) in the States and Pollution Control Committees (PCCs) in Union Territories has established a National Water Quality Monitoring Network (NWMP) in order to assess the status of water quality of water resources and to facilitate for prevention and control of pollution in water bodies. Water quality monitoring network under NWMP comprises 4484 stations on surface and groundwater in 28 States and 8 Union Territories. Monitoring is carried out with a frequency in monthly, quarterly, half yearly and yearly basis.

The State Pollution Control Board-Sikkim has been executing the National Water Quality Monitoring Programme (MINARS have been merged under NWMP) in the state of Sikkim with multiple objective like assessment of the extent of pollution control needed, evaluate effectiveness of pollution control measures that are already in existence, evaluate water quality trend for a period of time, to understand environmental fate of different pollutants. The SPCB-Sikkim has at present 30 monitoring stations in Teesta basin (Ranikhola, Rongnichu/Rolepchu, Teesta, Rangit, Maneykhola) in different location starting from Chungthang in North Sikkim to Treveni (after confluence of Teesta and Rangit river) in South Sikkim including higher altitude lakes like Tsomgo and Menmoitso which attract significant

number of tourists, devotees and also high military movements are observed. All these interferences have tendency to alter the sheer nature of the water bodies. Out of 30 NWMP stations 5 no's are newly sanctioned river water monitoring stations by CPCB.

The monitoring is carried out on a monthly basis and the data obtained is subsequently uploaded in Environmental Water Quality Data Entry System (EWQDES) in CPCB and SPCB website.

As per the Guidelines on Water Quality Monitoring, 2017 the following parameters are analysed in the SPCB-Sikkim Laboratory:

A. During monsoon (June & July)

- a) General – Colour, Odour, Temperature, pH, Conductivity, Dissolved Oxygen, Total Dissolved Solids, Total Suspended Solid and Turbidity.
- b) Nutrients – Nitrate ($\text{NO}_3\text{-N}$), nitrite ($\text{NO}_2\text{-N}$) and Total Phosphate (P)
- c) Demand Parameters – Biochemical Oxygen Demand (BOD)
- d) Major Ions –Calcium (Ca^{++}), Magnesium (Mg^{++}) Sulphate (SO_4^{--})
- e) Other inorganic – Fluoride (F)
- f) Microbiological – Total Coliform & Faecal Coliform.

B. Rest of the year

Parameters - Colour, Odour, Temperature, pH, Dissolved Oxygen, Total Dissolved Solids, NO_3^- , BOD, Total Coliform, Faecal Coliform, Total Dissolved Solid and Total Suspended Solid.



Photo 12 &13: River water sampling at Sirwani dam site for analysis

TABLE 10: DETAILS OF NWMP STATIONS WITH GPS COORDINATES:

SL NO.	Name of Monitoring Station and code.	Monitoring Agency	District	Type Of Water Body	Name of Water Body	Frequency	Latitude	Longitude
1.	1801-River Teesta After Confluences Of Rivers Lachenchu And Lachungchu At Chungthang	SPCB-Sikkim	Mangan	River	Teesta	Monthly	27.601903	88.646449
2.	1802-River Dikchu Before Confluences With River Teesta Near Nhpc Hydroelectric Power Project Dikchu	SPCB-Sikkim	Gangtok	River	Dikchu	Monthly	27.402553	88.519402
3.	1803-River Maney Khola At Burtuk Near Army Base Camp, 4 Km U/s Of Gangtok	SPCB-Sikkim	Gangtok	River	Maney Khola	Monthly	27.35	88.61
4.	1804-River Maney Khola After Confluences With Ray Khola At Adampool After Meeting Waste Of Stp, Gangtok	SPCB-Sikkim	Gangtok	River	Maney Khola	Monthly	27.309928	88.583236
5.	1805-River After Confluence Of Ranichu And Rorachu At	SPCB-Sikkim	Gangtok	River	Ranichu	Monthly	27.292886	88.590303

	Ranipool							
6.	1806-River Ranichu Before Confluence With Teesta At Singtam, Sikkim	SPCB-Sikkim	Gangtok	River	Ranichu	Monthly	27.22	88.49
7.	1807-River Teesta After Confluences With Ranichu At Singtam	SPCB-Sikkim	Gangtok	River	Teesta	Monthly	27.11	88.45
8.	1808-River Teesta After Confluences With Rongpochu After Meeting The Industrial Effluents From The Town Rangpo	SPCB-Sikkim	Pakyong	River	Teesta	Monthly	27.17	88.52
9.	1809-River Teesta At Melli Downstream Melli	SPCB-Sikkim	Namchi	River	Teesta	Monthly	27.08	88.45
10.	2034-River Rangit At Dam Site (nhpc)	SPCB-Sikkim	Namchi	River	Rangit	Monthly	27.294106	88.291658
11.	2035-River Rangit At Legship	SPCB-Sikkim	Geyzing	River	Rangit	Monthly	27.280047	88.2753
12.	2036-River Rangit At Reshi	SPCB-Sikkim	Geyzing	River	Rangit	Monthly	27.221878	88.307144
13.	2037-River Rangit At Jorethang	SPCB-Sikkim	Namchi	River	Rangit	Monthly	27.13	88.27
14.	2038-River Rangit At Triveni Melli	SPCB-Sikkim	Namchi	River	Rangit	Monthly	27.080686	88.430872
15.	5281-River Rangpo U/s Dam Site	SPCB-Sikkim	Pakyong	River	Rangpo	Monthly	27.2385166 7	88.709927 78

16.	5282-River Rangpo D/s Dam Site	SPCB-Sikkim	Pakyong	River	Rangpo	Monthly	27.234094 44	88.708683 33
17.	5283-River Rongli U/s Dam Site	SPCB-Sikkim	Pakyong	River	Rongli	Monthly	27.204297 22	88.712902 78
18.	5284-RiverRongli D/s Dam Site	SPCB-Sikkim	Pakyong	River	Rongli	Monthly	27.206630 56	88.685055 56
19.	5285-River Rangpo At Power House D/s Of Gati InfrastructurePvt. Ltd.	SPCB-Sikkim	Pakyong	River	Rangpo	Monthly	27.209027 78	88.665530 56
20.	5286-River Rangpo At U/sOf Rorathang Bazar (above Swiss Garnier)	SPCB-Sikkim	Pakyong	River	Rangpo	Monthly	27.1973277 8	88.632844 44
21.	5287-River Rangpo At D/s Of Rorathang Bridge	SPCB-Sikkim	Pakyong	River	Rangpo	Monthly	27.195552 78	88.607919 44
22.	5288-River Rangpo At D/sOf Pharma Plant Kumrek	SPCB-Sikkim	Pakyong	River	Rangpo	Monthly	27.181672 22	88.540525
23.	5289-River Rangpo At D/sOf Power House Of Madhya Bharat	SPCB-Sikkim	Pakyong	River	Rangpo	Monthly	27.178419 44	88.533425
24.	5290-MenmoitsoLake	SPCB-Sikkim	Gangtok	Lake	Menmoitso	Monthly	24.328930 56	88.849225
25.	5291 -Changu Lake	SPCB-Sikkim	Gangtok	Lake	Changu	Monthly	27.376638 89	88.765658 33
26.	5553-River Rangit At Upstream Of Dam , Rangit Stage-iv Reshi Nhpc Reshi Soreng,dist	SPCB-Sikkim	Soreng	River	Rangit	Monthly	27.234434	88.301149

27.	5554-RiverRangit At Jorethang (majigoan), Namchi	SPCB-Sikkim	Namchi	River	Rangit	Monthly	27.128055 56	88.285833 33
28.	5555-River Rangit At Manpur(below Industrial Area),namchi Dist Sikkim	SPCB-Sikkim	Namchi	River	Rangit	Monthly	27.09611111	88.360833 33
29.	5556-River Teesta At Mamring Below Mamring Bridge,namchi, Dist , Sikkim	SPCB-Sikkim	Namchi	River	Teesta	Monthly	27.17741111	88.514905 56
30.	5557-River Teesta At Bardang Below Attc, Pakyong Dist	SPCB-Sikkim	Pakyong	River	Teesta	Monthly	27.209163 89	88.489813 89



Photo 14 & 15: Lake Water sampling at Menmitso for analysis

TABLE 11: AVERAGE BOD(mg/l) FOR THE YEAR 2023-24

STATION CODE	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	March	Average
1801	2	2.1	2.3	2.1	2	2.1	-	-	2.1	2	2.1	2.1	2.09
1802	2.2	2	2	2	1.9	1.7	-	-	1.7	1.9	2	2	1.94
1803	2.2	2.1	2.5	2.1	2	2.1	2.2	2.1	1.9	1.8	1.7	2.3	2.083333
1804	2.4	2.2	2.4	2.2	2.1	2.3	2.4	2.6	2.2	2	2.2	2.4	2.283333
1805	2.1	2.1	2.5	2.1	2.2	2.2	2.1	2.3	2.1	2	2.1	1.9	2.141667
1806	2.5	2	2.3	2	2	2.1	2.3	2.1	2	2.1	2	2	2.116667
1807	2.2	2.2	2.4	2.2	2.1	2	-	-	2.1	2	1.9	1.6	2.07
1808	1.9	2	2.3	2	1.9	1.8	-	-	2	2.1	2	2.3	2.03
1809	2	2.3	2	2.3	2.1	2	-	-	2.2	2.1	2.1	2.4	2.15
2034	2.3	2.1	2.4	2.1	2	2.2	-	2.1	1.9	2	2	2.1	2.109091
2035	2.1	2.3	2.3	2.3	2.1	2.2	-	2.3	2.2	2.1	2	2.3	2.2
2036	1.8	1.9	2.4	1.9	2.2	2.1	-	2	2.1	2	2.1	2	2.045455
2037	2.3	2	2.4	2	2.1	2.3	-	2.2	2	2.1	2.1	1.9	2.127273
2038	2.3	2.1	2.2	2.1	2.2	2.2	-	-	2.1	2	2.1	2.7	2.2
5281	2.4	2.2	2.4		2.3	2.4	-	2	2.2	2.2	2	2.6	2.27
5282	2.2	2.1	2.1	2.1	2	2.1	-	2.3	2.1	2.1	2.1	2.1	2.118182
5283	2.1	2	2.4	2	2	2.2	-	2.2	2.1	2.2	2.2	2.5	2.172727
5284	2	2.2	2	2.2	2.2	2.3	-	2	2.3	2.1	2	2.4	2.154545
5285	1.9	2	1.8	2	2	2.1	-	2.1	2.1	2.2	2.2	2.1	2.045455
5286	1.6	1.9	2.2	1.9	1.9	1.8	-	1.8	1.9	2.1	2.1	2.3	1.954545
5287	2	2.2	2	2.2	1.8	1.9	-	2	1.9	2.2	2.2	1.9	2.027273
5288	2.2	2.1	2.3	2.1	2	2.2	-	2.1	2.1	2.1	2.1	2	2.118182
5289	2.4	2.3	2.2	2.3	2.2	2.1	-	2.3	2.2	2	2	2.1	2.190909
5290	2.2	2.1	2.2	2.1	2.1	2.3	1.7	1.8	2	2.1	2.1	2.4	2.091667
5291	2.4	2	1.9	2	2.2	2.1	2.1	1.9	2.1	2.2	2	2.1	2.083333
5553	1.9	1.8	2	1.8	1.9	1.8	-	2	1.9	2.1	2.1	1.9	1.927273
5554	2	1.9	2.4	1.9	1.9	2	-	2.1	2	2.3	2.2	1.6	2.027273
5555	2.1	2.1	2	2.1	1.9	2.1	-	1.9	1.9	2.2	2.1	2	2.036364
5556	-	2.3	2.1	2.3	2	2.1	-	-	2.1	2	2	1.8	2.077778
5557	-	2	1.9	2	2.2	2.3	-	-	2	2.1	2	2.3	2.088889

(-) denotes **Sampling could not be carried out due to inaccessible road or natural calamity.**



Photo 16: River water sampling at Rangpo chu for analysis



Photo 17: Analysis of water sample for COD (mg/l)

TABLE 12 : ANNUAL AVERAGE OF FAECAL COLIFORM (MPN/100ml) FOR THE YEAR 2023-24

Month	April	May	Jun	July	Aug	Sep	Oct	Nov	Dec	Jan	Feb	March	Average
Station Code													
1801	43	31	50	30	32	31	-	-	29	23	21	29	31.9
1802	55	36	65	32	35	37	-	22	31	29	24	32	36.1
1803	68	54	70	28	30	32	29	42	29	25	21	29	38
1804	59	66	80	42	41	38	39	37	41	43	41	48	47.9
1805	44	49	105	47	46	41	35	22	35	37	35	27	44.6
1806	70	65	100	34	31	29	25	22	29	31	29	25	40.8
1807	54	32	65	31	39	31	-	-	31	34	31	31	37.9
1808	95	76	78	31	43	38	-	-	39	35	34	29	49.8
1809	80	56	75	35	38	32	-	-	32	32	32	31	41.1
2034	56	50	55	29	22	24	-	21	19	29	36	28	33.5
2035	61	71	65	30	35	37	-	20	31	34	33	26	40.2
2036	36	42	60	31	41	39	-	23	39	32	31	27	36.4
2037	78	81	55	35	32	38	-	22	29	27	28	31	41.4
2038	90	84	55	32	43	46	-	-	32	26	32	27	42.4
5281	52	63	70	-	47	42	-	42	37	31	28	26	43.8
5282	97	99	90	29	33	32	-	45	28	46	25	32	50.5
5283	82	94	90	30	37	34	-	31	31	41	31	26	47.9
5284	95	85	105	28	36	32	-	35	29	19	27	24	46.8
5285	77	69	88	38	32	35	-	32	21	15	29	29	42.2
5286	93	110	120	33	28	31	-	30	24	29	34	33	51.3
5287	96	123	105	43	39	42	-	29	34	32	38	27	55
5288	88	80	100	40	46	39	-	36	42	33	22	25	50
5289	73	112	105	32	49	44	-	44	44	37	24	25	53.5
5290	-	54	85	16	12	11	36	33	11	37	18	21	30.3
5291	-	70	65	21	17	15	42	39	14	35	16	26	32.7
5553	84	67	75	41	42	39	-	41	36	32	25	27	46.2
5554	62	79	80	37	35	37	-	32	30	29	29	24	43
5555	55	80	70	27	33	32	-	31	28	34	35	26	41
5556	92	103	60	31	43	47	-	-	35	32	34	24	50.1
5557	88	94	70	44	38	37	-	-	35	27	36	28	49.7

(-) denotes Sampling could not be carried out due to inaccessible road or natural calamity.



Photo 18: River Water sampling at Chungthang for analysis

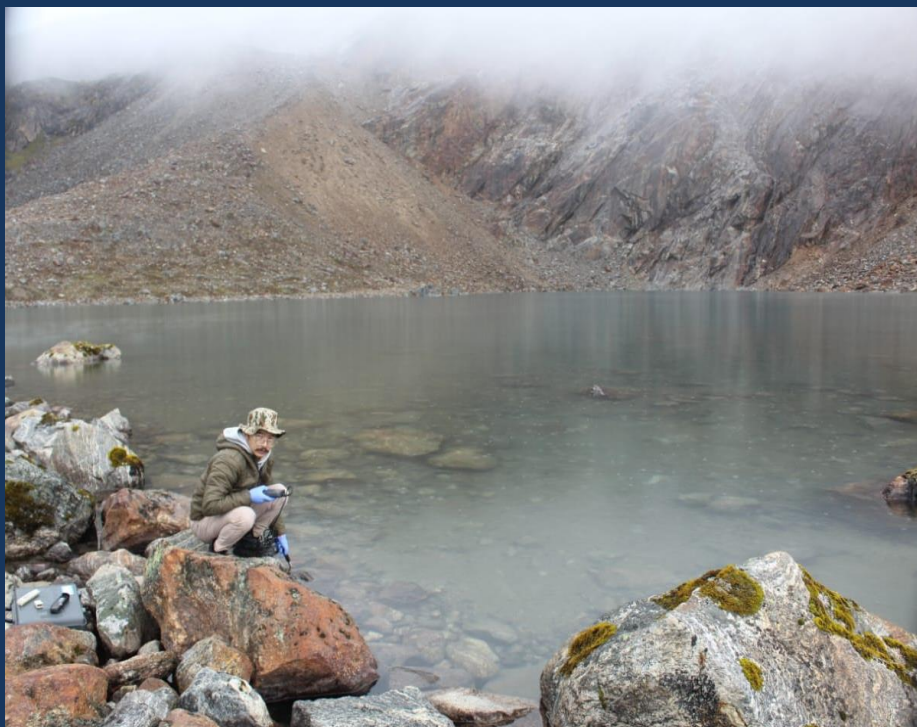


Photo 19: Lake Water sampling at Gurudongmar I for analysis



Photo 20: Analysis of lake water at Gurudongmar II with Multiparameter meter probe



Photo 21: Analysis of river water for faecal coliform (MPN/100ml)



Photo 22: Analysis of river water for Dissolved Oxygen (mg/l)

NOISE LEVEL DATA FOR THE PERIOD OF APRIL 2023 – MARCH 2024.

Noise Pollution is a growing concern in urban and rural areas, affecting the quality of life and health of residents. To address this, SPCB-Sikkim is conducting the noise level monitoring in four districts of the state as per the guidelines of Central Pollution Control Board (CPCB). The objective was to measure and evaluate the noise levels, ensuring they remain within the acceptable standards set by regulatory bodies.

TABLE 13: National Standard for different areas:

Category of Area/zone	Limits in dB(A) Leq*	
	Day Time	Night Time
Commercial area	65	55
Residential area	55	45

Note: 1. Day time shall mean from 6am to 10pm.

2. Night time shall mean from 10pm to 6am.

The following TABLE 14 presents the average noise levels recorded in each district from April 2023 to March 2024.

DATE	CATEGORY OF AREA	GANGTOK	NAMCHI	GYALSHING	MANGAN
APRIL 2023- MARCH 2024	Commercial Area dB(A)	51.27	58.87	48.67	64.33

The average noise level in all the four districts were found to be within the prescribed limits. The data indicates that all the districts have successfully maintained noise levels within the prescribed limits.

CHAPTER 06 –

COMPLIANCE AND ENFORCEMENT

I. SOLID WASTE MANAGEMENT RULES, 2016.

a. Status of solid waste generation and disposal :

Total waste generation (Tonnes per day or TPD):	69.68
Quantity of municipal solid waste (MSW) collected (TPD):	69.68
Quantity of MSW treated (TPD):	36.57
Quantity of MSW disposed in secured landfill site (TPD):	33.11

b. Solid waste management facilities:

- i. 50 TPD capacity compost plant at Martam landfill site damaged by landslide which after repair is running at a capacity of 7.52TPD.
- ii. 01 TPD capacity organic waste converter at Lal Bazar vegetable market, Gangtok.
- iii. 0.2TPD capacity organic waste converter at Mangan vegetable market.
- iv. Community compost pit for biodegradable waste in rural areas wherever feasible.
- v. Resource recovery centers for non-biodegradable waste in 32 rural blocks.
- vi. Plastic waste management unit at Rhenock block.
- vii. Reduce-reuse-recycle centers have been established in all ULBs for collecting old/used clothes to avoid being dumped in landfill.
- viii. Five nos. PET bottle shredding machines have been installed in town areas of four ULBs.

The above facilities are being augmented with new material recovery centers, solid waste processing facility, plastic waste management units. Local NGOs/SHGs are being engaged for collection of segregated solid waste and sensitization of waste generators.

II. PLASTIC WASTE MANAGEMENT RULES, 2016 & ITS AMENDMENTS.

a. Status of plastic waste generation and disposal :

Total plastic waste collected (Tonnes per annum or TPA):160.70

Total plastic waste channelized for recycling (TPA): 151.10

Total plastic waste channelized for use (TPA): 0.00

Total plastic waste disposed in secured landfill site (TPA): 9.65

b. Plastic waste management facilities:

Material Recovery Facilities in urban areas and Resource Recovery Centres in rural areas augmented with plastic waste management units comprising of baling and shredding facilities.

Urban Development has framed Bye- Laws on Plastic Waste Management for Urban Local Bodies vide 26/UDD/2022 dated 30/11/22 for prohibition of SUP under the provision of 120 micron thickness for plastic carry bag, 60GSM thickness for non- woven. Environmental Compensation amounts have been prescribed for non-compliances.

TABLE 15: NO. OF VIOLATIONS & ACTION TAKEN ON NON-COMPLIANCE OF PROVISIONS OF PWM RULES, 2016, AS AMENDED, 2018 (RULE 12)

Items	GMC	NMC	MNP	NJNP	GNP	RNP	SNP	Total
Total No. of SUP ban Inspection	31	22	42	32	44	36	33	240
Total No. of Violation with regard to SUP Inspection	35	1	15	26	4	14	7	102
Qty of Plastic Siezed (kg)	99.19	0	2.808	11.4	1.88	33.485	4.3	153.066
Fine Imposed on Violators(Rs)	19700	2000	3000	0	2500	0	0	27200
No. of SUP Mfg caught during inspection	0	0	0	0	0	0	0	0
No. of License issued to Alternatives to SUP Manufacturer/ Producers	0	0	0	0	0	0	0	0
No. of Compostable plastic Unit in your state/UT	0	0	0	0	0	0	0	0

GLIMPSES OF INSPECTION TO ENFORCE BAN ON IDENTIFIED SINGLE USE PLASTIC ITEMS IN THE STATE.



PHOTO 26: SUP Inspection at Jorethang



PHOTO 27: SUP Inspection at Namchi



PHOTO 28 & 29: SUP Inspection at Rangpo



PHOTO 30: SUP Inspection at Gangtok



PHOTO 31: SUP Inspection at Singtam



PHOTO 32: SUP Inspection at Mangan

III. HAZARDOUS & OTHER WASTES (MANAGEMENT & TRANSBOUNDARY MOVEMENT) RULES, 2016 AND ITS AMENDMENTS.

a. Status of hazardous waste generation and disposal:

During 2023-2024, there were 59nos. of hazardous waste generating industries in the State including Hydro-Electric Projects out of which 09nos. have been established in Gangtok District, 23nos. have been established in Pakyong District, 25nos. have been established in Namchi District, 01no. in Mangan District and 01 no. in Geyzing District. These units generated incinerable hazardous waste to the tune of 2003.49 MT and recyclable hazardous waste to the tune of 28.286 MT during 2023-2024.

These hazardous wastes were disposed at common incinerator in West Bengal (159.69MT); recycled by Schedule IV recyclers in West Bengal (33.05 MT); utilized for co-processing at cement plants in Assam (285.95MT), in Jharkhand (248.86 MT) and in Chhattisgarh (1312.47 MT). The above quantity of hazardous wastes transported for disposal, recycling and co-processing is inclusive of the **end of the year storage for the year 2022-2023**.

INSPECTION FOR AUTHORIZATION UNDER HAZARDOUS & OTHER WASTE MANAGEMENT & TRANSBOUNDARY MOVEMENT RULES 2016



PHOTO 33: At Indane bottling plant, Majhitar



PHOTO 34: At CIPLA-1. Kumrek

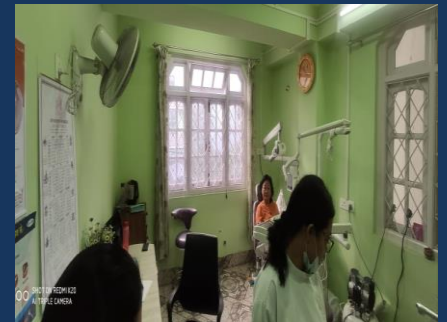


PHOTO 35: At Godrej Consumer unit, Mamring



PHOTO 36: At Alkem Lab I. Kumrek

INSPECTION OF HEALTHCARE FACILITIES FOR COMPLIANCES UNDER BMW MANAGEMENT RULES, 2016.



IV. BIO-MEDICAL WASTE MANAGEMENT RULES, 2016 AND ITS AMENDMENTS.

a. Status of bio-medical waste generation and disposal:

- Quantity of bio-medical waste generation per day: **471 kg** from bedded hospital.
- Quantity of bio-medical waste generation per day: **35 kg** from non-bedded hospital.
- Quantity of bio-medical waste generation per day: **80 kg** from non- bedded occupational healthcare hospital within industrial units.
- Total quantity of bio-medical waste generation per day: **586 kg** in the State.
- Total quantity of waste treated and disposed by: **586kg** captive treatment facilities per day

V. E-WASTE (MANAGEMENT) RULES, 2016 AND ITS AMENDMENTS.

a. Status of E- waste generation:

The total E-waste generation during 2023- 2024 is 19708.54 kg and 1375 nos.

TABLE 16: E-Waste Generation by bulk consumers and ULBs.

		Information technology and telecommunication equipment	Consumer electrical and electronics	Large and Small Electrical and Electronic Equipment	Electrical and Electronic Tools (With the exception of large-Scale Stationary Industrial Tools)	Toys, Leisure and Sports Equipment	Medical Devices (With the Exception of All Implanted and Infected Products)	Laboratory Instruments	Total
A.	Collection centres								
1.	Mangan Nagar Panchayat, Mangan, Mangan District	7	3	nil	nil	nil	nil	nil	10 no's
2.	Gangtok Municipal Corporation, Gangtok District	3.05-MT				nil	nil	nil	3.05-MT
3.	Namchi Municipal Council, Namchi District	nil	nil	nil	nil	nil	nil	nil	nil
4.	Singtam Nagar Panchayat, Singtam, Gangtok District	nil	nil	nil	nil	nil	nil	nil	nil
5.	Rangpo Nagar Panchayat, Rangpo, Pakyong District	nil	nil	nil	nil	nil	nil	nil	nil
6.	Nayabazar-Jorethang Nagar Panchayat, Namchi District	52	26	5	nil	nil	nil	nil	92nos
7.	Gyalshing Nagar Panchayat, Gyalshing Districts	21	153	80	5	nil	nil	nil	197 no's
B.	Institutional Consumers	Information technology and telecommunication equipment	Consumer electrical and electronics	Large and Small Electrical and Electronic Equipment	Electrical and Electronic Tools (With the exception of large-Scale	Toys, Leisure and Sports Equipment	Medical Devices (With the Exception of All Implanted and Infected	Laboratory Instruments	Total

					Stationary Industrial Tools)		Products)		
1.	Zuventus Healthcare Ltd.	611.87 kg		nil	nil	nil	nil	nil	611.87kg
2.	Swiss Garnier Genexiaa Sciences Unit II	12kg	10kg	nil	nil	nil	nil	nil	22 kg
3.	IPCALaboratories Ltd. I	539kg	61kg	nil	nil	nil	nil	nil	600kg
4.	IPCA Laboratories Ltd. I	106kg	24kg	nil	nil	nil	nil	nil	130kg
5.	Indian Oil Corporation limited	0.025kg	nil	nil	nil	nil	nil	nil	0.025kg
6.	Golden Cross Pharma Ltd.	85nos.	nil	nil	nil	nil	nil	nil	85 nos.
7.	Mankind Pharma Ltd	550nos		200nos	nil	nil	nil	nil	750nos.
8.	Shangrila industries Ltd.	9kg		nil	nil	nil	nil	nil	9kg
9.	Indchemie Health Specialties I	45kg	10kg	nil	nil	nil	nil	nil	60kg
10.	Indchemie Health Specialties II	80kg	20kg	nil	nil	nil	nil	nil	100kg
11.	Cipla I	4380kg	nil	nil	nil	nil	nil	nil	4380kg
12.	Cipla II	8227.36kg	nil	nil	nil	nil	nil	nil	8227.36kg
13.	Zydus Health Care Limited Unit I	417kg	nil	nil	nil	nil	nil	nil	417kg
14.	Zydus Health Care Ltd Unit II	120kg	nil	nil	nil	nil	nil	nil	120kg
15.	Zydus wellness Unit II	53.4kg	nil	nil	nil	nil	nil	nil	53.4kg

16.	Zydus wellness Unit I	58kg	nil	nil	nil	nil	nil	nil	58kg
17.	Glenmark Pharmaceuticals	113kg		nil	nil	nil	nil	nil	113 kg
18.	Torrent pharmaceuticals I	18.825kg	11.78kg	10.094 kg	nil	nil	nil	nil	40.7kg
19.	Torrent pharmaceuticals III	5kg	27.98kg	nil	nil	nil	nil	2.5kg	35.48 kg
20.	Torrent pharmaceuticals II	nil	14.64 kg	7.468kg	nil	nil	nil	nil	22.10kg
21.	ICICI bank , Gangtok	13 nos	nil	nil	nil	nil	nil	nil	13nos
22.	Macleods	446kg	906kg	nil	nil	nil	nil	nil	1352kg
23.	Micro Labs limited	179 nos	nil	nil	nil	nil	nil	nil	179nos
24.	Savi Health Science	09nos	40nos	nil	nil	nil	nil	nil	49nos
25.	Heba Pharmaceuticals LLP	0.6kg	33.8kg	22.2kg	nil	nil	nil	nil	56.6kg
26.	Titan Company	250kg	nil	nil	nil	nil	nil	nil	250kg

Note: Information is based on the data provided by the Bulk consumers and ULBs.

VI. CONSTRUCTION AND DEMOLITION WASTE MANAGEMENT.

- Urban Development Department, Government of Sikkim has notified the Sikkim State Construction & Demolition Waste Management Policy vide Gazette No. 23 dated 28.01.2023. This State Policy envisages
 - Permit fee for disposal at identified sites;
 - Establishment of Recycling/ Processing Infrastructures ;
 - Skilling of manpower for manufacture of resourceful products from waste and earning revenue from sale of such products.

There are no official estimate of C&D Waste generated In Sikkim. However, in Gangtok it has been estimated at approximately 7000 Metric Tons for total construction period under Smart City Project alone. The Government insists on reuse and recycle of all construction waste such as

- Reuse – for foot path making and for levelling and filling.
- Recycle – metal waste through organised collection vendors.

The site for proposed construction and demolition waste processing facility has been identified and the plan for establishment of said facility is being developed.

TABLE 18: STATUS OF COMPLIANCE OF EFFLUENT TREATMENT PLANTS

Sl. No.	District	Name of the industry	Address of the industry	Category of the industry	Type of the industry	Operational Status	Name of the river basin where unit is located *	Status of ETP *	Designed capacity of ETP (MLD)	Daily Average volume of Effluent Generation (MLD) *	Daily average volume of treated effluent (MLD) *	Industry complying with environmental standards *	Inspection date
1.	Pakyong	Aristo Pharmaceuticals	Bhageykhola	Orange	Pharmaceutical	Operational	Brahmaputra	Operational	0.16	0.05	0.05	Yes	08/11/23
2.	Namchi	Alkem Health Science I	Samardung, South Sikkim	Orange	Pharmaceutical	Operational	Brahmaputra	Operational	0.20 (common for unit I and unit II)	0.07	0.07	yes	25/05/23
3.	Namchi	Alkem Health Science II	Samardung South Sikkim	Orange	Pharmaceutical	Operational	Brahmaputra	Operational	0.20 (common for unit I and unit II)	0.07	0.07	yes	25/05/23
4.	Namchi	Alkem Health Science III	Samardung South Sikkim	Orange	Pharmaceutical	Operational	Brahmaputra	Operational	0.10	0.05	0.05	yes	25/05/23
5.	Namchi	Alkem Laboratories V,	Samardung, South Sikkim	Orange	Pharmaceutical	Operational	Brahmaputra	Operational	0.03	0.003	0.003	yes	25/05/23
6.	Pakyong	Alkem Laboratories Ltd. I	Kumrek East Sikkim	Orange	Pharmaceutical	Operational	Brahmaputra	Operational	0.2	0.1	0.1	yes	27/07/23
7.	Namchi	Aishwarya Healthcare	Samardung South Sikkim	Orange	Pharmaceutical	Operational	Brahmaputra	Operational	0.025	0.025	0.025	yes	17/05/23
8.	Namchi	Aurochem Laboratories	Manpur South Sikkim	Orange	Pharmaceutical	Operational	Brahmaputra	Operational	0.030	0.005	0.005	yes	21/07/23
9.	Namchi	Alembic pharmaceutical,	Samrdung, South Sikkim	Orange	Pharmaceutical	Operational	Brahmaputra	Operational	0.2	0.07	0.07	yes	17/05/23

10	Pakyong	Cipla Ltd. Unit I,	Kumrek, East Sikkim	Orange	Pharmaceutical	Operational	Brahmaputra	Operational	0.1	0.1	0.1	yes	27/07/23
11	Pakyong	Cipla Ltd. Unit II	Rorathang East Sikkim	Orange	Pharmaceutical	Operational	Brahmaputra	Operational	0.16	0.16	0.16	yes	07/08/23
12	Pakyong	C.G. Foods	Mining, Rangpo East Sikkim	Orange	Food packaging	Operational	Brahmaputra	Operational	0.015	0.015	0.015	yes	29/08/23
13	Namchi	Curetec Pharmaceuticals,	Daring block, South Sikkim	Orange	Pharmaceutical	Non Operational	Brahmaputra	Non-Operational	-	-	-	yes	27/7/22
14	Pakyong	Denzong Albrew,	Mulukey, East Sikkim	Red	Brewery	Operational	Brahmaputra	Operational	0.35	0.1	0.1	yes	07/08/23
15	Pakyong	Golden Cross Pharma Pvt. Ltd.	Tarpin Block, Rorathang East Sikkim	Orange	Pharmaceutical	Operational	Brahmaputra	Operational	0.1	0.1	0.1	yes	07/08/23
16	Namchi	Godrej Consumer Pvt. Ltd.	Mamring South Sikkim	Orange	Fragrances	Operational	Brahmaputra	Operational	0.013	0.013	0.013	yes	11/01/24
17	Gangtok	Glenmark Pharmaceutical Ltd.	Samlik Marchak East Sikkim	Orange	Pharmaceutical	Operational	Brahmaputra	Operational	0.05	0.045	0.045	yes	04/05/23
18	Gangtok	HeBa Pharmaceuticals,	Marchak East Sikkim	Orange	Pharmaceutical	Operational	Brahmaputra	Operational	0.025	0.01	0.01	yes	19/09/23
19	Pakyong	Intas Pharmaceutical Ltd. Unit I	Bhagey khola East Sikkim	Orange	Pharmaceutical	Operational	Brahmaputra	Operational	0.03	0.003	0.003	yes	02/06/23
20	Namchi	Intas Pharmaceutical Ltd. Unit II	Samardung South Sikkim	Orange	Pharmaceutical	Operational	Brahmaputra	Operational	0.075	0.01	0.01	yes	17/05/23
21	Namchi	IPCA Laboratories Unit I	Bharikhola, South Sikkim	Orange	Pharmaceutical	Operational	Brahmaputra	Operational	0.25 (common for unit I and unit II)	0.05	0.05	yes	21/07/23
22	Namchi	IPCA Laboratories Unit II	Bharikhola, South Sikkim	Orange	Pharmaceutical	Operational	Brahmaputra	Operational	0.25 (common for unit I	0.07	0.07	yes	21/07/23

									and unit II)				
23	Pakyong	Ideal Cures,	Pacheykhan i, East Sikkim	Orange	Pharmace utical	Operation al	Brahmaputr a	Operation al	0.01	0.004	0.004	yes	11/01/24
24	Pakyong	Indchemie Health Specialities I,	kumrek, East Sikkim	Orange	Pharmace utical	Operation al	Brahmaputr a	Operation al	0.03	0.004	0.005	yes	11/01/24
25	Pakyong	Indchemie Health Specialities II,	Kumrek, Eat Sikkim	Orange	Pharmace utical	Operation al	Brahmaputr a	Operation al	0.01	0.005	0.005	yes	11/01/24
26	Namchi	Kanchendzon ga Distilleries,	Manpur, South Sikkim	Orange	Alcohol blending and bottling	Operation al	Brahmaputr a	Operation al	0.01	0.001	0.001	yes	8/11/23
27	Pakyong	Lupin Ltd	4 th mile Bhasmey, East Sikkim	Orange	Pharmace utical	Operation al	Brahmaputr a	Operation al	0.12	0.096	0.096	yes	11/01/24
28	Namchi	LAHAG Spirits (bottling)	Manpur, South Sikkim	Red	Distillery	Non- Operation al	Brahmaputr a	Non- operation al	0.3	0.01	0.01	Closure direction issued by CPCB due to non- compliance.	18/11/23
29	Namchi	Lividus Pharmaceutic als	Samardung, South Sikkim	Orange	Pharmace utical	Establish ment complete d	Brahmaputr a	Establish ment complete d	0.02	Nil	Nil	Operation not started	11/02/23
30	Namchi	Mankind Pharmaceutic al Ltd.	Daring block, Bermiok South Sikkim	Orange	Pharmace utical	Operation al	Brahmaputr a	Operation al	0.225	0.075	0.075	yes	27/7/22
31	Namchi	Micro Labs Ltd.	Mamring, South Sikkim	Orange	Pharmace utical	Operation al	Brahmaputr a	Operation al	0.1	0.052	0.052	yes	02/07/23
32	Namchi	Marc Life Sciences	Samardung South Sikkim	Orange	Pharmace utical	Operation al	Brahmaputr a	Operation al	0.014	0.010	0.010	yes	28/12/23
33	Pakyong	Macleods	, Aho- Yangtam, East Sikkim	Orange	Pharmace utical	Operation al	Brahmaputr a	Operation al	0.48	0.23	0.23	yes	04/05/23

34	Pakyong	Mount Distilleries,	Majhitar, East Sikkim	Orange	Alcohol blending and bottling	Operational	Brahmaputra	Operational	0.04	0.02	0.02	yes	02/06/23
35	Pakyong	Mayell & Fraser,	Majhitar, East Sikkim	Orange	Alcohol blending and bottling	Operational	Brahmaputra	Operational	0.005	0.001	0.001	yes	12/7/22
36	Gangtok	PTS Packers and Providers	Sangkhola, East Sikkim	Orange	Pharmaceutical	Operational	Brahmaputra	Operational	0.004	0.002	0.002	yes	23/05/23
37	Pakyong	Regal Healthcare,	Bhasmey, East Sikkim	Orange	Pharmaceutical	Operational	Brahmaputra	Operational	0.008	0.005	0.005	yes	07/08/23
38	Gangtok	STP Pharmaceutical Pvt. Ltd.	Sangkhola, East Sikkim	Orange	Pharmaceutical	Operational	Brahmaputra	Operational	0.004	0.001	0.001	yes	23/05/23
39	Namchi	Swiss Garnier Genexiaa Science Pvt. Ltd Unit I	Mamring South Sikkim	Orange	Pharmaceutical	Operational	Brahmaputra	Operational	0.05	0.03	0.03	yes	02/07/23
40	Pakyong	Swiss Garnier Genexiaa Science Pvt. Ltd Unit II	Tarpin Block, East Sikkim	Orange	Pharmaceutical	Operational	Brahmaputra	Operational	0.1	0.02	0.02	yes	07/08/23
41	Pakyong	Savi Health Sciences,	Majhitar, East Sikkim	Orange	Pharmaceutical	Operational	Brahmaputra	Operational	0.015	0.004	0.004	yes	02/06/23
42	Namchi	Salas Pharma,	Samrdung, South Sikkim	Orange	Pharmaceutical	Operational	Brahmaputra	Operational	0.008	0.002	0.002	yes	02/11/23
43	Pakyong	SBL Pvt. Ltd.	Majhitar, East Sikkim	Orange	Pharmaceutical	Operational	Brahmaputra	Operational	0.03	0.003	0.003	yes	29/08/23
44	Gangtok	Sun Pharma, Unit I	Setipool, East Sikkim	Orange	Pharmaceutical	Operational	Brahmaputra	Operational	0.1	0.06	0.06	yes	04/05/23
45	Gangtok	Sun Pharma Laboratories Ltd., Unit II	Namli Block, Gidang Marchak East Sikkim	Orange	Pharmaceutical	Operational	Brahmaputra	Operational	0.2	0.19	0.19	yes	04/05/23

46	Pakyong	Sikkim Distilleries,	Rangpo, East Sikkim	Orange	Alcohol blending and bottling	Operational	Brahmaputra	Operational	0.015	0.1	0.1	yes	17/03/23
47	Pakyong	Shangrila Industries	Mining, Rangpo East Sikkim	Orange	Pharmaceutical		Brahmaputra	Operational	0.02	0.001	0.001	yes	28/12/23
48	Gangtok	Torrent Pharmaceutical Ltd. Unit-I Middle camp	Middle camp	Orange	Pharmaceutical	Operational	Brahmaputra	Operational	0.230 (common for unit I and unit II)	0.22	0.22	yes	23/05/23
49	Gangtok	Torrent Pharmaceutical Ltd. Unit-II	32mile Middle camp, East Sikkim	Orange	Pharmaceutical	Operational	Brahmaputra	Operational	0.230 (common for unit I and unit II)	0.05	0.05	yes	23/05/23
50	Pakyong	Torrent Pharmaceutical Ltd. Unit-III	Bhageykhola, majhitar East Sikkim	Orange	Pharmaceutical	Operational	Brahmaputra	Operational	0.015	0.015	0.015	yes	27/07/23
51	Namchi	Trophic Wellness Pvt. Ltd.	Manpur, South Sikkim	Orange	Nutritional	Operational	Brahmaputra	Operational	0.005	0.003	0.003	yes	21/07/23
52	Namchi	Transasia Biomedical	Samardung, South Sikkim	Orange	Medical equipments assembling unit	Operational	Brahmaputra	Operational	0.01	0.005	0.005	yes	17/05/23
53	Namchi	Yuksom Breweries Ltd.	Melli South Sikkim	Red	Brewery	Operational	Brahmaputra	Operational	0.85	0.27	0.27	yes	
54	Pakyong	Zydus Health care Ltd. Unit II	Kumrek East Sikkim	Orange	Pharmaceutical	Operational	Brahmaputra	Operational	0.1	0.1	0.1	yes	02/07/23
55	Pakyong	Zydus Health care Ltd. Unit I	Bhageykhola East Sikkim	Orange	Pharmaceutical	Operational	Brahmaputra	Operational	0.05	0.05	0.05	yes	02/11/23
56	Pakyong	Zuventus Health Care Ltd. Unit II	Bhasmey East Sikkim	Orange	Pharmaceutical	Operational	Brahmaputra	Operational	0.079	0.052	0.052	yes	07/08/23

57	Namchi	Zydus wellness Products Pvt. Ltd .Unit I	Mamring South Sikkim	Orange	Pharmaceutical	Operational	Brahmaputra	Operational	0.06 (common for unit I and unit II)	0.06	0.06	yes	02/07/23
58	Namchi	Zydus wellness Products Pvt. Ltd .Unit II	Mamring South Sikkim	Orange	Pharmaceutical	Operational	Brahmaputra	Operational	0.06 (common for unit I and unit II)	0.06	0.06	yes	02/07/23

CHAPTER 07 –

MISSION LIFE ACTIVITIES

Activities to attain Mission LiFE - Lifestyle for Environment by State Pollution Control Board-Sikkim

Awareness Activities from 01/05/2023

1. Awareness activities during identified period (completed and proposed):
Completed – 196
2. Total No. of Participants:
Attended: 34719 nos.
3. Mode of Event – Physical
4. Details of events – The theme selected by SPCB-Sikkim for Mission LiFE is Reduce Waste. The SPCB-Sikkim initiated Mission LiFE programme by conducting inter-departmental meeting to sensitize various line departments about objectives of Mission LiFE and enumerating their duties as stated in Mass Mobilization of Mission LiFE program. The Mission LiFE pledge and video were translated in vernacular language and released on 08/05/2023.
The Board conducted awareness programme in private and government schools. The awareness programmes were conducted in primary, junior high, secondary and senior secondary level.
The Board also conducted awareness programme in various industrial units in the state including Hydro Electric Projects and service industries such as hotels & resorts. The awareness programme mainly focused on segregation of waste and how wet waste if managed within households, establishments and institutions by channelizing the waste as local animal feed and composting can lessen the pressure on locals bodies and ensure proper disposal of municipal waste. The action points that were mainly focused on the Reduce Waste Theme were:
 - **Contribute cattle waste, food waste, and agricultural waste to biogas plant (provided under GOBARDHAN)**
 - **Practice segregation of dry and wet waste at homes**
 - **Use agricultural residue, animal waste for composting, manuring and mulching**
 - **Recycle and reuse old newspapers, magazines**
 - **Feeding of unused and uncooked vegetables leftovers to cattle**
 - **Set default double-side printing in printers**
 - **Repair, reuse and recycle old furniture**
 - **Buy paper products made from recycled paper**
 - **Donate old clothes and books**
 - **Do not discard waste in water bodies and in public spaces**
 - **Do not let pets defecate in the public places**
 - **Reduction of use of SUPs other than the 14 banned items was also included in the awareness programme. Reuse of old books by schools itself was also encouraged. The ill effects of uncontrolled consumerism were also highlighted in the programme.**
 - **Use of Mission Life Logo in Consent, Authorization & Correspondence materials.**
 - **Display of Mission LiFE information in SPCB website.**
 - **Painting competition conducted in 20 Government Schools nominated by Education Department.**

SL. No.	Date of event	Theme	Type pf event	Mode of Event	Participants	Target Group	Material Distributed	No. of events
1.	08/05/2023	Mission LiFE	Sensitization	Physical	26	Line Govt. Departments,	Posters, Youtube video, Pledge in vernacular language	1
2.	10/05/2023	Mission LiFE	Capacity Building	Physical	37	SPCB-Sikkim staff	Banners, Posters, Youtube video, Pledge in vernacular language	1
3.	11/05/2023	Reduce Waste	Awareness	Physical	12	STNM Government hospital, gangtok	Posters, Youtube video	1
4.	12/05/2023	Reduce Waste	Awareness	Physical	159	Glenmark Pharmaceuticals	Posters, Youtube video	1
5.	12/05/2023	Reduce Waste	Awareness	Physical	94	HeBAPharmaceutica LLP	Posters, Youtube video	1
6.	12/05/2023	Reduce Waste	Awareness	Physical	56	Sun Pharma Laboratories Ltd. I	Posters, Youtube video	1
7.	12/05/2023	Reduce Waste	Awareness	Physical	56	Sun Pharma Laboratories Ltd. II	Posters, Youtube video	1
8.	12/05/2023	Reduce Waste	Awareness	Physical	85	Macleods Pharmaceuticals	Posters, Youtube video	1
9.	15/05/2023	Reduce Waste	Awareness	Physical	90	Radiant Star Academy, Singtam Bazar	Posters, Youtube video	1
10.	15/05/2023	Reduce Waste	Awareness	Physical	70	Singalila Academy, Singtam Bazar,	Posters, Youtube video	1
11.	15/05/2023	Reduce Waste	Awareness	Physical	103	Government Sec. School Assangthang	Posters, Youtube video	1
12.	15/05/2023	Reduce Waste	Awareness	Physical	66	Government JHS, Sallabong	Posters, Youtube video	1
13.	15/05/2023	Reduce Waste	Awareness	Physical	15	Namchi Municipal Council, Namchi District	Posters, Youtube video	1
14.	15/05/2023	Reduce Waste	Awareness	Physical	30	RankeyGovt. Primary School, Namchi	Posters, Youtube video	1
15.	17/05/2023	Reduce Waste	Awareness	Physical	90	East Point Sec. School, Golitar	Posters, Youtube video	1
16.	17/05/2023	Reduce Waste	Awareness	Physical	15	Sarchok Govt. Jr. High School, Lachung	Posters, Youtube video	1
17.	17/05/2023	Reduce Waste	Awareness	Physical	50	Modern Govt. Sr. Sec. School, Gangtok	Posters,Youtube video	1
18.	17/05/2023	Reduce Waste	Awareness	Physical	113	West Point Govt. Sr. Sec. School, Gangtok	Posters & Youtube video	1
19.	17/05/2023	Reduce Waste	Awareness	Physical	450	Tadong Govt. Sr. Sec School, Gangtok	Posters & Youtube video	1
20.	17/05/2023	Reduce Waste	Awareness	Physical	100	VidyaBharati School, Gangtok	Posters & Youtube video	1
21.	17/05/2023	Reduce Waste	Awareness	Physical	35	Lingding Govt. JHS, Gangtok	Posters & Youtube video	1
22.	17/05/2023	Reduce Waste	Awareness	Physical	100	Daffodils Home Secondary School,	Posters & Youtube video	1

						Gangtok		
23.	17/05/2023	Reduce Waste	Awareness	Physical	67	Sangmo Govt. Sec. School, Gangtok	Posters & Youtube video	1
24.	17/05/2023	Reduce Waste	Awareness	Physical	75	Ben Govt. Sr Secondary School, Ravangla	Posters & Youtube video	1
25.	18/05/2023	Reduce Waste	Awareness	Physical	315	DeoraliDirIs Govt. Sr. Sec. School, Gangtok	Posters & Youtube video	1
26.	18/05/2023	Reduce Waste	Awareness	Physical	31	Kids paradise School, Gangtok	Posters & Youtube video	1
27.	18/05/2023	Reduce Waste	Awareness	Physical	25	Grace English School, Pelling	Posters & Youtube video	1
28.	18/05/2023	Reduce Waste	Awareness	Physical	110	Mamring Govt. JHS, Mamring	Posters & Youtube video	1
29.	18/05/2023	Reduce Waste	Awareness	Physical	50	Boomtar Nagar Panchayat	Posters & Youtube video	1
30.	18/05/2023	Reduce Waste	Awareness	Physical	50	Holy Cross Montessori School, Gangtok	Posters & Youtube video	1
31.	18/05/2023	Reduce Waste	Awareness	Physical	450	St. Thomas School, Gangtok	Posters & Youtube video	1
32.	18/05/2023	Reduce Waste	Awareness	Physical	215	Bardabg, govt. Sec. School, Singtam	Posters & Youtube video	1
34.	18/05/2023	Reduce Waste	Awareness	Physical	20	Rangpo Nagar Panchyat	Posters & Youtube video	1
35	18/05/2023	Reduce Waste	Awareness	Physical	20	Pengong Govt. Primary School, Chungthang	Posters & Youtube video	1
36.	18/05/2023	Reduce Waste	Awareness	Physical	150	M/s Lupin Ltd., Bhasmey	Posters & Youtube video	1
37.	18/05/2023	Reduce Waste	Awareness	Physical	100	M/s Madhya Bharat Power Corp. Ltd., Namli&Kumrek	Posters & Youtube video	2
38.	18/05/2023	Reduce Waste	Awareness	Physical	300	C.S. Rai Govt. Sec. School, Arithang	Posters & Youtube video	1
39.	19/05/2023	Reduce Waste	Awareness	Physical	50	Pelling Govt. Sr. Sec School (Primary Section), Pelling	Posters & Youtube video	1
40.	19/05/2023	Reduce Waste	Awareness	Physical	20	Upper Syari Govt. Primary School, Gangtok	Posters & Youtube video	1
41.	19/05/2023	Reduce Waste	Awareness	Physical	50	Middle Syari Govt. Primary School, Gangtok	Posters & Youtube video	1
42.	19/05/2023	Reduce Waste	Awareness	Physical	150	Tiny Pearls School, Gangtok	Posters & Youtube video	1
43.	19/05/2023	Reduce Waste	Awareness	Physical	200	Sai Gurukul Academy, Gangtok	Posters & Youtube video	1
44.	19/05/2023	Reduce Waste	Awareness	Physical	225	Bah'ai Sr. Secondary School, Tadong, Gangtok	Posters & Youtube video	1
45.	19/05/2023	Reduce Waste	Awareness	Physical	25	Ideal nursery School, Mangan	Posters & Youtube video	1
46.	19/05/2023	Reduce Waste	Awareness	Physical	100	Pakshep Govt. JHS, Mangan	Posters & Youtube video	1
47.	19/05/2023	Reduce	Awareness	Physical	500	North Sikkim	Posters & Youtube	1

		Waste				Academy, Mangan	video	
48.	19/05/2023	Reduce Waste	Awareness	Physical	50	AVM School, Sichey, Gangtok	Posters & Youtube video	1
49.	19/05/2023	Reduce Waste	Awareness	Physical	270	Kewzing Govt. Sr. Secondary School, Kewzing,	Posters & Youtube video	1
50.	20/05/2023	Reduce Waste	Awareness	Physical	520	Chanatar Govt. Sec. School, Rangpo	Posters & Youtube video	1
51.	20/05/2023	Reduce Waste	Awareness	Physical	230	Lumsey Govt. Secondary School, Gangtok	Posters & Youtube video	1
53.	20/05/2023	Reduce Waste	Awareness	Physical	197	Turung Govt. Secondary School, Gangtok	Posters & Youtube video	1
54.	20/05/2023	Reduce Waste	Awareness	Physical	60	RinghimGovt. Secondary School,Mangan	Posters & Youtube video	1
55.	20/05/2023	Reduce Waste	Awareness	Physical	130	M/s Titan Ltd., Bagheykhola, Rangpo	Posters & Youtube video	1
56.	20/05/2023	Reduce Waste	Awareness	Physical	300	Mt. Zion Kidzee Sec School, Singtam	Posters & Youtube video	1
57.	20/05/2023	Reduce Waste	Awareness	Physical	200	M/s V-Guard Ltd., Unit III, Mamring	Posters & Youtube video	1
58.	22/05/2023	Reduce Waste	Awareness	Physical	150	Sunrise Academy, Duga	Posters & Youtube video	1
59.	22/05/2023	Reduce Waste	Awareness	Physical	170	Lower Sumin Govt. Sec. School, Gangtok	Posters & Youtube video	1
60.	22/05/2023	Reduce Waste	Awareness	Physical	50	SuminGovt. Jr. High School, Gangtok	Posters & Youtube video	1
61.	22/05/2023	Reduce Waste	Awareness	Physical	35	Tikjuk Govt. Primary School, Tikjuk	Posters & Youtube video	1
62.	22/05/2023	Reduce Waste	Awareness	Physical	80	Burtuk Govt. Jr. High School, Gangtok	Posters & Youtube video	1
63.	22/05/2023	Reduce Waste	Awareness	Physical	200	Kyi-de-Khang Sr. Sec School, Gangtok	Posters & Youtube video	1
64.	22/05/2023	Reduce Waste	Awareness	Physical	650	SaiPrashanti Sec. School, Gangtok	Posters & Youtube video	1
65.	22/05/2023	Reduce Waste	Awareness	Physical	100	Manjushri Public School, Gangtok	Posters & Youtube video	1
66.	22/05/2023	Reduce Waste	Awareness	Physical	340	Ba'hai Sr. Sec. School, Ranipool, Gangtok	Posters & Youtube video	1
67.	22/05/2023	Reduce Waste	Awareness	Physical	70	Mount Zion Kidzee, Tadong, Gangtok	Posters & Youtube video	1
68.	22/05/2023	Reduce Waste	Awareness	Physical	410	Greendale Senior Secondary School, Gangtok	Posters & Youtube video	1
69.	22/05/2023	Reduce Waste	Awareness	Physical	746	Bojoghari Govt. Senior Secondary School, Gangtok	Posters & Youtube video	1
70.	22/05/2023	Reduce Waste	Awareness	Physical	78	Kids World School, Gangtok	Posters & Youtube video	1
71.	22/05/2023	Reduce	Awareness	Physical	36	North Point	Posters & Youtube	1

		Waste				Academy, Gangtok	video	
72.	22/05/2023	Reduce Waste	Awareness	Physical	87	Enlighten Academy, Gangtok	Posters & Youtube video	1
73.	22/05/2023	Reduce Waste	Awareness	Physical	96	Little Flowers Jr. School, Mangan	Posters & Youtube video	1
74.	22/05/2023	Reduce Waste	Awareness	Physical	780	Namchi Govt. Sr. Sec. School, Namchi	Posters & Youtube video	1
75.	22/05/2023	Reduce Waste	Awareness	Physical	180	Little Scholar Academy, Ravangla	Posters & Youtube video	1
76.	22/05/2023	Reduce Waste	Awareness	Physical	75	Mickkhola Govt. Secondary School, Namchi District	Posters & Youtube video	1
77.	23/05/2023	Reduce Waste	Awareness	Physical	1123	BrihaspatiParsaiGovt . Sr. Sec. School, Ranipool,	Posters & Youtube video	1
78.	23/05/2023	Reduce Waste	Awareness	Physical	280	DCPA Govt. Sec. School, Gyalshing	Posters & Youtube video	1
79.	23/05/2023	Reduce Waste	Awareness	Physical	950	TashiNamgyalGovt. Senior Secondary School, Gangtok	Posters & Youtube video	1
80.	23/05/2023	Reduce Waste	Awareness	Physical	600	Enchey Govt. Senior Secondary School, Gangtok	Posters & Youtube video	1
81.	23/05/2023	Reduce Waste	Awareness	Physical	220	RongneckGovt. Secondary School, Gangtok	Posters & Youtube video	1
82.	23/05/2023	Reduce Waste	Awareness	Physical	170	Luing Govt. Sr. Secondary School, Gangtok	Posters & Youtube video	1
83.	23/05/2023	Reduce Waste	Awareness	Physical	70	Thamidara Govt. Jr. High School, Gangtok	Posters & Youtube video	1
84.	23/05/2023	Reduce Waste	Awareness	Physical	40	M/s Suryodya Industries, Rangpo	Posters & Youtube video	1
85.	23/05/2023	Reduce Waste	Awareness	Physical	30	Barbing Govt. Primary School, Ranka	Posters & Youtube video	1
86.	23/05/2023	Reduce Waste	Awareness	Physical	30	Grace Academy, Ranka,	Posters & Youtube video	1
87.	23/05/2023	Reduce Waste	Awareness	Physical	25	Raigaon Govt. Primary School, Ranka,	Posters & Youtube video	1
88.	23/05/2023	Reduce Waste	Awareness	Physical	40	Taktse International School, Pangthang,	Posters & Youtube video	1
89.	23/05/2023	Reduce Waste	Awareness	Physical	60	Pangthang Govt. Jr. High School, Pangthang	Posters & Youtube video	1
90.	23/05/2023	Reduce Waste	Awareness	Physical	200	M/s Torrent pharmaceuticals Ltd. Unit I, 32 No. Martam	Posters & Youtube video	1
91.	23/05/2023	Reduce Waste	Awareness	Physical	200	M/s Torrent pharmaceuticals Ltd. Unit I, 32 No. Martam1	Posters & Youtube video	1
92.	23/05/2023	Reduce Waste	Awareness	Physical	200	M/s Torrent pharmaceuticals Ltd.	Posters & Youtube video	1

						Unit III, BagheyKhola		
93.	23/05/2023	Reduce Waste	Awareness	Physical	60	M/s STP Pharmaceuticals & M/s PTS Packers and Providers, Sangkhola	Posters & Youtube video	2
94.	23/05/2023	Reduce Waste	Awareness	Physical	20	Hotel Palm Grove	Posters & Youtube video	1
95.	24/05/2023	Reduce Waste	Awareness	Physical	750	PellingGovt. Sr. Sec. School (Middle & Senior Section), Pelling	Posters & Youtube video	1
96.	24/05/2023	Reduce Waste	Awareness	Physical	950	Government College, Kamrang, Namchi	Posters & Youtube video	1
97.	24/05/2023	Reduce Waste	Awareness	Physical	2800	Holy Cross School, Gangtok	Posters & Youtube video	1
98.	24/05/2023	Reduce Waste	Awareness	Physical	370	Sikkim Professional University, Gangtok	Posters & Youtube video	1
99.	24/05/2023	Reduce Waste	Awareness	Physical	40	Regional Ayurveda Research Institute,Gangtok	Posters & Youtube video	1
100.	24/05/2023	Reduce Waste	Awareness	Physical	30	Sukhim Diagnostics, Gangtok	Posters & Youtube video	1
101.	24/05/2023	Reduce Waste	Awareness	Physical	40	Denzong Regency, Gangtok	Posters & Youtube video	1
102.	24/05/2023	Reduce Waste	Awareness	Physical	1389	Govt. Sr. Sec School, Singtam	Posters & Youtube video	1
103.	25/05/2023	Reduce Waste	Awareness	Physical	460	Govt. Sec School, Namchi	Posters & Youtube video	1
104.	25/05/2023	Reduce Waste	Awareness	Physical	400	Tashi Namgyal Academy, Gangtok	Posters & Youtube video	1
105.	25/05/2023	Reduce Waste	Awareness	Physical	100	M/s Godrej Consumer Ltd., Mamring	Posters & Youtube video	1
106.	25/05/2023	Reduce Waste	Awareness	Physical	200	M/s Alkem Health Science Ltd. Unit I, II & III, Samardung	Posters & Youtube video	3
107.	25/05/2023	Reduce Waste	Awareness	Physical	100	M/s Alkem laboratories Unit V, Namthang 1Elaka	Posters & Youtube video	1
108.	26/05/2023	Reduce Waste	Awareness	Physical	1300	PalzorNamgyal Girls Sr. Sec. School, Gangtok	Posters & Youtube video	1
109.	26/05/2023	Reduce Waste	Awareness	Physical	90	NTPC Ramman HEP (Barrage site and Labour Camp), Salangdang	Posters & Youtube video	2
110.	26/05/2023	Reduce Waste	Awareness	Physical	60	M/s Dans Energy Pvt. Ltd., Barrage site and Powerhouse, Karfector&Mazitar	Posters & Youtube video	2
111.	26/05/2023	Reduce Waste	Awareness	Physical	100	M/s Anjali packers Pvt. Ltd. & M/s	Posters & Youtube video	2

						Anjali Packaging, Pvt. Ltd., Manpur		
112.	26/05/2023	Reduce Waste	Awareness	Physical	60	M/s Kanchenjunga Distilleries Pvt. Ltd., Manpur	Posters & Youtube video	1
113.	26/05/2023	Reduce Waste	Awareness	Physical	35	M/s NHPC Ltd., Sikkip	Posters & Youtube video	1
114.	26/05/2023	Reduce Waste	Awareness	Physical	100	Archigos Preparatory Academy, Singtam	Posters & Youtube video	1
115.	29/05/2023	Reduce Waste	Awareness	Physical	450	Majhitar Govt. Sec. School, Majhitar	Posters & Youtube video	1
116.	29/05/2023	Reduce Waste	Awareness	Physical	200	Himalayan Pharmacy Institute, Majhitar,	Posters & Youtube video	1
117.	29/05/2023	Reduce Waste	Awareness	Physical	30	Sun Pharma Residential Colony	Posters & Youtube video	1
118.	30/05/2023	Reduce Waste	Awareness	Physical	350	Little Bell's School,Rangpo	Posters & Youtube video	1
119.	30/05/2023	Reduce Waste	Awareness	Physical	682	Namthang Government Sr. Sec. School, Namthang	Posters & Youtube video	1
120.	30/05/2023	Reduce Waste	Awareness	Physical	1100	Rangpo Government Sr. Sec. School,	Posters & Youtube video	1
121.	30/05/2023	Reduce Waste	Awareness	Physical	65	Mangan Girls Government Sr. Sec. School,	Posters & Youtube video	1
119.	31/05/2023	Reduce Waste	Awareness	Physical	972	Namchi Girls Government Sr. Sec. School,	Posters & Youtube video	1
120.	01/06/2023	Reduce Waste	Awareness	Physical	550	Hans Raj Academy	Posters & Youtube video	1
121.	01/06/2023	Reduce Waste	Awareness	Physical	50	Govt. ITI College, Namchi	Posters & Youtube video	1
122.	01/06/2023	Reduce Waste	Awareness	Physical	320	Kyongsa Govt. Sr. Secondary School, Geyzing District	Posters & Youtube video	1
123.	01/06/2023	Reduce Waste	Awareness	Physical	400	Langang Govt. Secondary School, Geyzing District	Posters & Youtube video	1
124.	02/06/2023	Reduce Waste	Awareness	Physical	31	Singyang Primary School, Darap, Geyzing District	Posters & Youtube video	1
125.	02/06/2023	Reduce Waste	Awareness	Physical	450	Tiny Tots School, IBM Rangpo, Pakyong District	Posters & Youtube video	1
126.	02/06/2023	Reduce Waste	Awareness	Physical	270	Ahopul Govt. Sec School, Aho Yangtam, Pakyong District	Posters & Youtube video	1
127.	02/06/2023	Reduce Waste	Awareness	Physical	342	Namcheybong Govt. Sr. Sec School, Pakyong District	Posters & Youtube video	1
128.	02/06/2023	Reduce Waste	Awareness	Physical	80	Pachey Primary School, Pakyong District	Posters & Youtube video	1
129.	02/06/2023	Reduce	Awareness	Physical	70	Savi Health Science,	Posters & Youtube	1

		Waste				Majhitar	video	
130.	02/06/2023	Reduce Waste	Awareness	Physical	60	Mount Distilleries, Majhitar	Posters & Youtube video	1
131.	02/06/2023	Reduce Waste	Awareness	Physical	200	ZyduS Healthcare I, Bagheykhola	Posters & Youtube video	1
132.	02/06/2023	Reduce Waste	Awareness	Physical	120	Intas Pharmaceuticals I, Bagheykhola	Posters & Youtube video	1
133.	03/06/2023	Reduce Waste	Awareness	Physical	178	Chungthang Govt. Sr. Secondary School, ManganDistrict	Posters & Youtube video	1
134.	03/06/2023	Reduce Waste	Awareness	Physical	170	Moonlight School, Chungthang, Mangan District	Posters & Youtube video	1
135.	03/06/2023	Reduce Waste	Awareness	Physical	160	Sirwani Govt. Secondary School, Singtam, Gangtok District	Posters & Youtube video	1
136.	03/06/2023	Reduce Waste	Awareness	Physical	40	SMIS, Gangtok District	Posters & Youtube video	1
137.	03/06/2023	Reduce Waste	Awareness/ Action	Physical	NA	Display Of Banners By SPCB In Various Locations Of Gangtok And Pakyong Before The Commencement Of World Environment Day	Posters	5
138.	06/07/2023	Reduce Waste	Awareness	Physical	80	Teesta Hydro Power Stage IV, Balutar	Posters & Youtube video	1
139.	07/07/2023	Reduce Waste	Awareness/ Action	Physical	50	Painting Competition at Brihaspati Parsai Sr. Sec. School, Ranipool	Posters	1
140.	07/07/2023	Reduce Waste	Awareness/ Action	Physical	50	Painting Competition at Govt. Sr. Sec. School Rumtek, Rumtek	Posters	1
141.	10/07/2023	Reduce Waste	Awareness/ Action	Physical	50	Painting Competition at Govt. Sr. Sec. School Singhik	Posters	1
142.	10/07/2023	Reduce Waste	Awareness/ Action	Physical	50	Painting Competition at Govt. New Sec. School Namchi	Posters	1
143.	10/07/2023	Reduce Waste	Awareness/ Action	Physical	47	Painting Competition at Tashi Namgyal Sr.Sec. School, Gangtok	Posters	1
144.	10/07/2023	Reduce Waste	Awareness/ Action	Physical	45	Painting Competition at Govt. Sec. School,	Posters	1

						Kamrang		
145.	10/07/2023	Reduce Waste	Awareness/ Action	Physical	50	Painting Competition at Govt. Sec. School, Gerethang	Posters	1
146.	11/07/2023	Reduce Waste	Awareness/ Action	Physical	60	Painting Competition at Govt. Sr. Sec. School, Mangan	Posters	1
147.	11/07/2023	Reduce Waste	Awareness/ Action	Physical	60	Painting Competition at Govt. Sr. Sec. School, Rhinghim	Posters	1
148.	11/07/2023	Reduce Waste	Awareness/ Action	Physical	50	Painting Competition at Govt. Sr. Sec. School, Singtam	Posters	1
148.	11/07/2023	Reduce Waste	Awareness/ Action	Physical	50	Painting Competition at Govt. Sr. Sec. School, Sakyong	Posters	1
149.	11/07/2023	Reduce Waste	Awareness/ Action	Physical	70	Painting Competition at Girls Govt. Sr. Sec. School, Namchi	Posters	1
150.	12/07/2023	Reduce Waste	Awareness	Physical	104	Mankind Pharma Ltd., Pabong, Namchi District	Posters & Youtube video	1
151.	12/07/2023	Reduce Waste	Awareness	Physical	26	IOCL Oil Depot, Bagheykhola, Pakyong District	Posters & Youtube video	1
152.	12/07/2023	Reduce Waste	Awareness/ Action	Physical	50	Painting Competition at Govt. Sr. Sec. School, Rangpo	Posters	1
153.	12/07/2023	Reduce Waste	Awareness/ Action	Physical	50	Painting Competition at Govt. Sr. Sec. School, Nandugaon	Posters	1
154.	14/07/2023	Reduce Waste	Awareness/ Action	Physical	47	Painting Competition at Govt. Sr. Sec. School, Yangsum	Posters	1
155.	18/07/2023	Reduce Waste	Awareness	Physical	30	Shiga Energy, Tashiding	Posters & Youtube video	1
156.	20/07/2023	Reduce Waste	Awareness	Physical	30	Trophic Wellness, Manpur, Namchi	Posters & Youtube video	1
157.	20/07/2023	Reduce Waste	Awareness	Physical	30	Aurochem Laboratories, Manpur, Namchi	Posters & Youtube video	1
158.	25/07/2023	Reduce Waste	Awareness/ Action	Physical	50	Painting Competition at Govt. Sr. Sec. School, Daramdin	Posters	1
159.	27/07/2023	Reduce Waste	Awareness	Physical	40	Alkem Laboratories Unit I, Kumrek	Posters	1

160.	27/07/2023	Reduce Waste	Awareness	Physical	50	Indchemie Health Specialities Unit I & II, Kumrek	Posters	2
161.	27/07/2023	Reduce Waste	Awareness	Physical	100	Cipla Unit I, Kumrek	Posters	1
162.	27/07/2023	Reduce Waste	Awareness	Physical	10	Sikkim Agro Chem, Majhitar	Posters	1
163.	27/07/2023	Reduce Waste	Awareness	Physical	107	IPCA LTd. Unit I & II	Posters	2
164.	31/07/2023	Reduce Waste	Awareness/ Action	Physical	50	Painting Competition at Govt. Sr. Sec. School,Soreng	Posters	1
165.	02/08/2023	Reduce Waste	Awareness	Physical	78	Microlabs, Mamring	Posters	1
166.	02/08/2023	Reduce Waste	Awareness	Physical	22	GK. Burman Pvt. Ltd.	Posters	2
167.	02/08/2023	Reduce Waste	Awareness	Physical	70	Zydus Wellness Unit I & II	Posters	2
168.	04/08/2023	Reduce Waste	Awareness/ Action	Physical	50	Painting Competition at Govt. Sr. Sec. School,Chujachen	Posters	1
169.	05/08/2023	Reduce Waste	Awareness	Physical	75	Zydus Healthcare II, Bhasmey	Posters	1
170.	05/08/2023	Reduce Waste	Awareness	Physical	99	Zuventus Healthcare, Bhasmey	Posters	1
171.	05/08/2023	Reduce Waste	Awareness	Physical	28	Regal Healthcare, Bhasmey	Posters	1
172.	05/08/2023	Reduce Waste	Awareness	Physical	111	Cipla II, Rorathang	Posters	1
173.	05/08/2023	Reduce Waste	Awareness	Physical	75	Golden Cross Pharma, Rorathang	Posters	1
174.	05/08/2023	Reduce Waste	Awareness	Physical	29	Swiss Garnier Genexiaa Science , II, Lower Tarpin	Posters	1
175.	11/08/2023	Reduce Waste	Awareness	Physical	15	Hotel Hang Saha Regency, Sichey	Posters	1
176.	11/08/2023	Reduce Waste	Awareness	Physical	18	Hotel Maitreya, Sungava	Posters	1
177.	11/08/2023	Reduce Waste	Awareness	Physical	20	Indra Mandala Boutique Hotel, Sichey	Posters	1
178.	29/08/2023	Reduce Waste	Awareness	Physical	51	Aristo Pharmaceuticals, Bagheykhola	Posters	1
179.	29/08/2023	Reduce Waste	Awareness	Physical	30	SBL Pvt. Ltd., Majhitar	Posters	1

PHOTO GALLERY:

ACTIVITIES CARRIED OUT BY SPCB-SIKKIM UNDER MISSION LIFE (2023-2024):











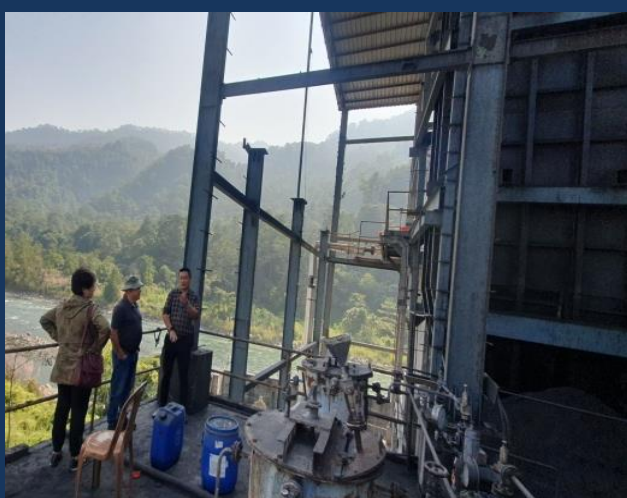
INSPECTION OF PHARMACEUTICAL UNITS & ALLIED UNITS FOR ENVIRONMENTAL COMPLIANCES:



At Mankind Pharma Ltd., Bermiok Ilaka



At Zydus Healthcare –I, Bagheykhola



At Lahag Spirits Ltd., Manpur

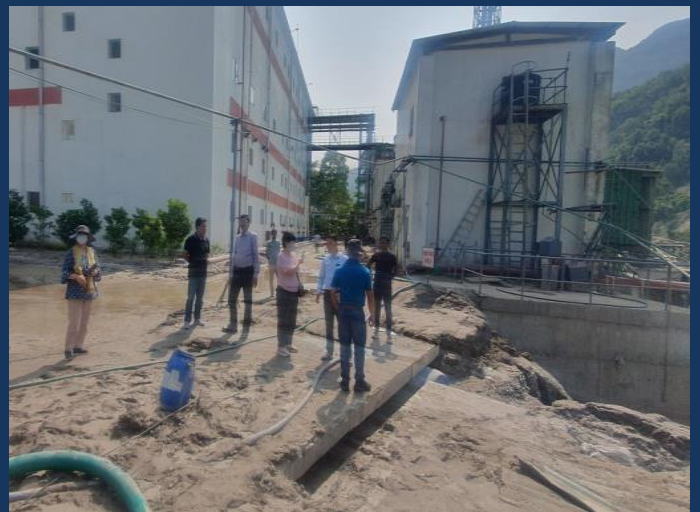
INSPECTION OF FLASH FLOOD DAMAGED INDUSTRIAL UNITS AND HANDING OVER OF RELIEF ITEMS TO ADC (PAKYONG)



Handing over of relief materials by SPCB



At Shangri-La Industries Pvt. Ltd.



At Aristo Pharmaceuticals Pvt. Ltd.

TRAINING OF SPCB OFFICIALS ORGANISED BY CSE AT NEEMLI, RAJASTHAN



INSPECTION OF PHARMACEUTICAL UNITS & ALLIED UNITS FOR ENVIRONMENTAL COMPLIANCES



At Curetech pharma, Bermiok Ilaka



At Sun Pharma Pvt. Ltd.-II, Namli



At Sun Pharma Pvt. Ltd.-I, Setipool



At Sikkim Craft Brewery site



At Shangrila Pharma, Rangpo, Mining



At SBL Pharma, Majhitar

WORKSHOP ON SIKKIM STATE ACTION PLAN FOR CONTAINMENT OF ANTI-MICROBIAL RESISTANCE (SAPCAR) AND RELEASE OF SAPCAR



INSPECTION OF PHARMACEUTICAL UNITS & ALLIED UNITS FOR ENVIRONMENTAL COMPLIANCES



At Mesaso West Point, Smart City Project, Gangtok



At Salas Pharma, Samardung

AWARENESS PROGRAMMES



Green Walk to office during celebration of Sikkim Paryavaran Parva 2024



At NIC, Tashiling, Gangtok



Awareness programme on waste management



**STATE POLLUTION CONTROL BOARD SIKKIM,
FOREST & ENVIRONMENT DEPARTMENT,
GOVERNMENT OF SIKKIM**



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