

BEFORE THE NATIONAL GREEN TRIBUNAL
PRINCIPAL BENCH, NEW DELHI
Original Application No. 606 OF 2018

IN THE MATTER OF:

Compliance of Municipal Solid Waste Management Rules, 2016.

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Filed on: 31.03.2025
New Delhi

Filed by



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**BEFORE THE HON'BLE NATIONAL GREEN TRIBUNAL
PRINCIPAL BENCH, NEW DELHI.
ORIGINAL APPLICATION NO. 606 /2018**

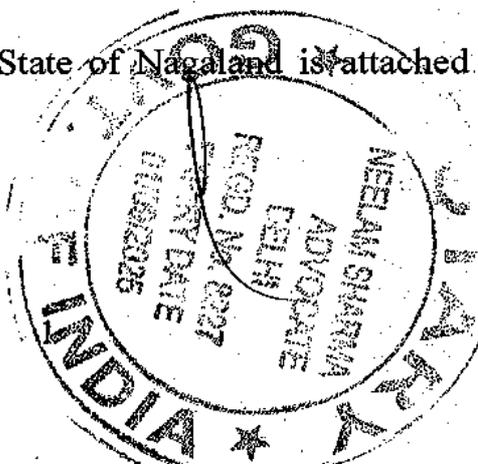
IN THE MATTER OF:-

Compliance of Municipal Solid Waste Management Rules, 2016

**ACTION TAKEN REPORT ON BEHALF OF THE STATE OF
NAGALAND**

I, J. Alam , S/o Rais Ahmed, having office at Civil Secretariat, Kohima, Nagaland, presently in New Delhi, do hereby solemnly affirm and state as under:-

1. That I am the Chief Secretary, Government of Nagaland, and being familiar with the facts of the case based on official records state that I am competent to swear this present affidavit in my official capacity.
2. That in compliance with the orders passed by this Hon'ble Tribunal, the Nagaland State Pollution Control Board has been submitting quarterly progress reports to the Central Pollution Control Board.
3. That the six months progress report (January- June 2024) has been submitted to this Hon'ble Tribunal vide letter dated 16.11.2024.
4. That the State is placing on record action taken report of the State pursuant to the directions issued by this Hon'ble Tribunal on 24.11.2022. A copy of the action taken report of the State of Nagaland is attached herewith as **Annexure R/1.**



5. That it is thus most respectfully submitted that the action taken report on behalf of the State of Nagaland may please be taken on record for kind perusal and appropriate directions to be passed by this Hon'ble Tribunal. It is prayed accordingly.

31 MAR 2025

3 MAR 2025

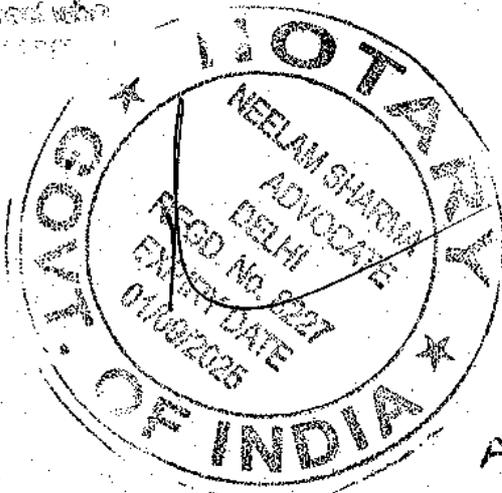
[Signature]
Chief Secretary
Government of Nagaland

VERIFICATION

Verified at _____ on this the _____ day of March, 2025 that the contents of the above affidavit are true and correct to the best of my knowledge and belief. No part of it is false and nothing material has been concealed there from.

Eatoli
I identified the deponent who has signed _____

[Signature]
DEPONENT
Chief Secretary
Government of Nagaland



[Signature]
NOTARY (Govt. of India)
Neelam Sharma
Advocate
Dh. No. 1804, Lais No. No. 1
Petale House Court,
New Delhi-110001
(M): 8823408304

31 MAR 2025

STATUS OF THE SOLID AND LIQUID WASTE MANAGEMENT

1. SOLID WASTE:

Number of ULBs	: 39 ULBs (3 Municipal Councils & 36 Town Councils)
Total waste generated	: 247.53 TPD
Total waste collected	: 221.19 TPD
Total waste processed	: 74.147 TPD
Segregation of waste	: Annexure 1
Door to door collection	: Annexure 1
Gap in between	: 175.033 TPD
Remarks	: Out of 39 ULBS, 2 ULBs do not have land for SWM and 6 ULBs Data Not Available (Annexure 1)
Legacy waste	: Annexure 2

NOTE:

The above data's and information is compiled as per the reports from the 39 ULBs from the Quarterly Progress Reports 2024.

2. LIQUID WASTE:

Status of the Liquid Waste Management in the state: Annexure 3

Location of STP	: Shozukhu, Dimapur
STP installed capacity	: 25.43 MLD
Technology	: Waste Stabilization Pond
STP status	: Constructed completed and commissioned on 14 th January, 2023
No. of EPTs	: 20 nos. (Annexure 3)

NOTE:

The above data's and information is compiled as per the Monthly Progress Report for the Month of December, 2024 submitted to the Ministry of Jal Shakti.

SL No.	Name of the district	Name of ULBs	Quantity of MSW generated (TPD)	Quantity of MSW collected (TPD)	Quantity of MSW Segregated and transported	Quantity of MSW Processed (TPD)	% of door to door collection	% of Segregated wastes	Gap in SWM (TPD)	Remark/ Status of Land for Solid Waste Management
9	Kiphire	i. Kiphire	DNA	DNA	DNA	DNA	DNA	DNA	DNA	DNA
		ii. Seyochung	DNA	DNA	DNA	DNA	DNA	DNA	DNA	DNA
		iii. Pungro	0.3	0.235	0.23	Nil	Yes	20%	0.3	Yes
10	Peren	i. Peren	DNA	DNA	DNA	DNA	DNA	DNA	DNA	DNA
		ii. Tening	1.2	DNA	DNA	DNA	DNA	DNA	DNA	Yes
		iii. Jalukie	3	2.4	0.342	Nil	Yes	Yes	3	DNA
11	Longleng	i. Longleng	2	1.8	0.9	0.9	Yes	Yes	1.1	Yes
		ii. Tamlu	0.1	Nil	Nil	Nil	No	No	0.1	Yes
12	Noklak	Noklak	1.5	1.5	Nil	Nil	No	No	1.5	Yes
13	Chumukedima	i. Chumukedima	8	8	7	6.4	100%	Yes	1.6	Yes
		ii. Medziphema	3	1.35	No	NA	80%	No	3	Yes
14	Tseminyu	Tseminyu	2	1.5	0.5	NA	Yes	Yes	2	Yes
15	Shamator	Shamator	1	1	Nil	Nil	Yes	No	1	DNA
16	Meluri	Meluri	0.5	0.4	0.4	Nil	Yes	No	0.5	Yes
17	Niuland	Niuland	1	1	Nil	Nil	Yes	Yes	1	Yes

ANNEXURE 2

LEGACY WASTE SITE & REMEDIATION METHODS

SI No.	Name of ULBs	Legacy waste site (ULBs)	Process adopted to remediate at each site	Method of Treatment in the ULBs (in TPD)			
				Organic Wet waste	Inerts	RDF	Others
1	Kohima	Dziiriizou landfill site	Local remediation	NA	NA	NA	NA
2	Dimapur	Burma Camp	Inoculation by Bioculture, Windrow creation	62.12%	7.23%	17.41%	13.24%
3	Mokokchung	Yes	NA	Animal fodder/ Compost	Landfilling	NA	Landfill/scrap dealers/MRF
4	Wokha	Yes (Tsumpioe Wokha Bokajan Road)	NA	Animal fodder/ Compost	Dumpsite	NA	1) Sanitary waste- Dumpsite 2) Domestic Hazardous waste Dumpsite 3) Recyclable dry waste @ 50% Scrap dealer.
5	Zunheboto	1	NA	Animal fodder/ Compost	Dumping site	NA	Plastic/ Scrap metals collection by scrap dealers.
6	Noklak	1	Nil	Compost Pit	Nil	Nil	Nil
7	Chumukedima	CTC Dumping site, Khuovaruu, Chumoukedima "A" Village	Bioremediation	Bioremediation	Sanitary Landfill	NA	Scrap Dealer
8	Kiphire	DNA	DNA	DNA	DNA	Nil	DNA
9	Longleng	Nil	NA	Animal fodder/ Compost	Dumpsite	NA	DNA
10	Phek	1	Nil	Nil	Nil	Nil	Nil
11	Mon	Nil	Nil	NA	NA	NA	NA
12	Tuensang	DNA	DNA	DNA	DNA	DNA	DNA
13	Peren	Yes	NA	Animal fodder/ Compost	Dumpsite	NA	Scrap Dealer
14	Tseminyu	1 Dumpsite	NA	NA	NA	NA	NA
15	Shamator	Nil	Nil	Compost Pit	Nil	Nil	Solid Waste Management Site
16	Niuland	DNA	NA	NA	NA	NA	NA
17	Mangkolemba	1	NA	Animal fodder/ Compost	Dumpsite	NA	Plastic/ Scrap metals collected by scrap dealers.
18	Changtongya	Dumpsite-1	NA	Animal fodder/ Compost	Dumpsite	NA	Landfilling
19	Tuli	1 Dumpsite	NA	NA	NA	NA	DNA

SI No.	Name of ULBs	Legacy waste site (ULBs)	Process adopted to remediate at each site	Method of Treatment in the ULBs (in TPD)			
				Organic Wet waste	Inerts	RDF	Others
20	East Dimapur	Nil	No Remedial measures initiated	Household	Dumpsite	DNA	DNA
21	Longkhim	1	Nil	Nil	Nil	Dumpsite	DNA
22	Pfutsero	DNA	DNA	DNA	DNA	DNA	DNA
23	Pungro	1	Nil	Nil	Nil	Dumpsite	DNA
24	Seyochung	DNA	DNA	DNA	DNA	DNA	DNA
25	Meluri	NO	NA	Animal fodder/ Compost	Dumpsite	NA	Dumpsite/ Scrap dealers
26	Tamlu	1	No Remedial measures practiced	Households composting units	Landfill	Dumpsite	DNA
27	Medziphema	Dumping site at Medziphema Town	No	NA	NA	NA	NA
28	Bhandari	DNA	DNA	DNA	DNA	Nil	DNA
29	Jalukie	1	Nil	Dumpsite	Dumpsite	NA	DNA
30	Tening	1 Dumpsite	Nil	Nil	Nil	Nil	Nil
31	Chozuba	1 Dumpsite	NA	Compost Pit	NA	Stored in MRF	NA
32	Chiephobozou	DNA	DNA	DNA	DNA	DNA	DNA
33	Satakha	Nil	NA	NA	NA	NA	NA
34	Aghunato	1	Nil	Nil	Nil	Nil	Nil
35	Atoizu	Ward-1	NA	NA	NA	NA	NA
36	Naginimora	2	Nil	Household	Dumpsite	RRR & Landfills	Nil
37	Tizit	Nil	Landfill	Landfill & Compost at homes	Landfill	Landfill	NA
38	Tobu	1 Dumpsite	Nil	Dumpsite	Dumpsite	DNA	DNA
39	Aboi	Nil	NA	Compost Pit	Dumpsite	Stored in MRF	DNA

ANNEXURE 3

STATUS OF THE LIQUID WASTE MANAGEMENT

Overall status of the State:

- I. Total Population: **22.8 lakhs**
Urban Population (**6,58,008**) & Rural Population (**16,21,992**)
- II. Estimated Sewage Generation (MLD): **52.63 MLD**
- III. **Details of Sewage Treatment Plant:**
 - Existing no. of STPs and Treatment Capacity (in MLD): **1 nos. 25.43 MLD at Dimapur**
 - Capacity Utilization of existing STPs: **12.6 MLD**
 - MLD of sewage being treated through Alternate technology: **Nil**
 - Gap in Treatment Capacity in MLD: **40.03**
 - No. of Operational STPs: **1 no.**
 - No. of Complying STPs: **1 no.**
 - No. of Non-complying STPs: **Nil**

DETAILS OF EACH EXISTING STP IN THE STATE:

❖ Sewage Treatment Plant at Dimapur was commissioned on 14th January 2023 and is fully functional.

No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP
1	Dimapur	25.43 MLD	12.6 MLD	Working	NGT O.A. 673/2018 compliant

STP (I&D) PROJECTS IN KOHIMA:

Under AMRUT 2.0, the Department has proposed for construction of Interception & Diversion projects (STP) at all the 4 major Streams/Drains in Kohima.

Details are given in the following table:

Sl. No	Name of the Project	Capacity
1	Sanuo rü stream	2.43 MLD
2	Hospital stream	3.20 MLD
3	Dzüvürü stream	3.60 MLD
4	Lerie stream	1.20 MLD
Total		10.43 MLD

STATUS OF THE PROJECT:

The projects have been approved by the State High Powered Steering Committee (**SHPSC**) for AMRUT 2.0 and was submitted to the Ministry of Housing and Urban Affairs for Approval of the Apex Committee. After approval, this project is at the stage of being tendered.

Details of proposed Sewage Treatment Plant in the State:

No.	Location	Capacity of the STP proposed in MLD	Status of Project (at DPR Stage/ Under Tendering/ Work to be Awarded)	Likely Date of Completion
1	13 Urban Local Bodies	12.03 (total)	DPR on Sewage Treatment Plant for 13 ULBs has been submitted to National River Conservation Directorate by Public Health Engineering Department	-

STP not yet sanctioned due to paucity of fund as per information received from Ministry of Jal Shakti.

Details of proposed Faecal Sludge Treatment Plant in the State:

No.	Location	Capacity of the FSTP proposed in MLD	Status of Project (at DPR Stage/ Under Tendering/ Work to be Awarded)	Likely Date of Completion
1	13 Urban Local Bodies	210 KLD (total)	DPR on Faecal Sludge Treatment Plant for 13 ULBs has been submitted to National River Conservation Directorate by Public Health Engineering Department, Govt. of Nagaland	The project is sanctioned and the work is under progress

DETAILS OF INDUSTRIAL POLLUTION:

- No. of industries in the State: **1389 Nos.**
- No. of water polluting industries in the State: **20 Nos.**
- Quantity of effluent generated from the industries in MLD: **602.5 KLD**
- Quantity of Hazardous Sludge generated from the Industries in TPD: **2 MTA from Indian Oil Corporation Depot, Kevijau Colony, Dimapur, Nagaland.**
- Number of industrial units having ETPs: **20 units**
- Number of industrial units connected to CETP: **NIL**
- Number and total capacity of ETPs (details of existing/ under construction / proposed):

EXISTING EFFLUENT TREATMENT PLANT:

Sl. No.	Name & Address	Installed Capacity (KLD)
1	DIMUL, Dimapur, Nagaland	10
2	Look East Construction Pvt. Ltd Slaughter House, Burma Camp, Dimapur	190
3	Greenply Industries Pvt. Ltd Tizit, Mon	0.5
4	MILKCON (Dairy) Kohima, Nagaland	5
5	Modern Abattoir (Slaughter House) Mokokchung, Nagaland	100

Sl. No.	Name & Address	Installed Capacity (KLD)
6	Okusa Automobile Dimapur, Nagaland	15
7	Nikos Hospital & Research Centre Dimapur, Nagaland	20
8	Zion Hospital & Research Centre Dimapur, Nagaland	30
9	CIHSR 4 th Mile, Dimapur, Nagaland	30
10	Eden Medical Centre Dimapur, Nagaland	50
11	District Hospital Dimapur	20
12	Dr. Motsu Memorial District Hospital, Wokha	20
13	Dr. Imkongliba Memorial District Hospital, Mokokchung	20
14	Phek District Hospital	10
15	Kiphire District Hospital	20
16	Mon District Hospital	20
17	Tuensang District Hospital	20
18	Hezukhu Memorial District Hospital, Zunheboto	20
19	Woodland Nursing Home, Mokokchung, Nagaland	2
20	Slaughter House Kohima**	400

** Construction of slaughter house at Seithogei, Kohima is completed and Memorandum of Agreement was executed on 15th January 2024 between Kohima Municipal Council and Turnkey Contractor M/S CESCO, Nagaland has been signed and Additional Director & HoD, Municipal Affairs has signed on behalf of the State Government. However, official commissioning is not yet reported.

SEPTAGE MANAGEMENT PLANT:

Sl. No.	Name & Address	Installed Capacity (KLD)
1	Dimapur Municipal Council Septage Management Plant	30 KLD
2	Kohima Municipal Council Septage Management Plant	90 KLD

- Number and total capacity of CETPs (details of existing/ under construction / proposed): **Nil**
- Status of compliance and operation of the CETPs

ACTION TAKEN REPORT

Following the directives of the Hon'ble NGT in the order dated 24.11.2022, the Nagaland State has initiated various actions at all levels, the details listed below: -

1.1 SOLID WASTE MANAGEMENT

- 1) The State has engaged Human Matrix Securite, Indore for preparation of Comprehensive & Integrated SWM Action Plan for 6 Towns where quantum of waste generation is more – Kohima, Dimapur, Chumoukedima, Tuensang, Mokokchung, and Wokha -recommending the most suitable and tangible facilities based on the analysis of existing scenario and prospective financial provision under various Central Schemes, the draft report of which has already been submitted. Once the action plans are approved, procurement and setting up of the appropriate facilities will commence for processing more wastes reducing the gaps. *(Details of letter of Award of Work, correspondences enclosed as Annexure –I)*
- 2) MRF facilities were developed in 10 Towns namely – Jalukie, Medziphema, Bhandari, Tuli, Tizit, Naginimora, Tseminyu, Kiphire, Changtongnya Town along with a total project cost of Rs.65.70 Lakhs, for recovering the recyclable materials and sending them to the recyclers within the State and surrounding States. Multi Plastic Shredder Machine were procured with a total project cost of Rs.40.35 Lakhs and handed over to 7 ULBs to reduce the bulkiness of recovered waste and thereby easing transportation. The other components/facilities required such as sorting platform, baling machine, etc. along with MRF Shed for the remaining ULBs are taken up under the SBM (U) 2,0 mission. *(Details enclosed as Annexure – II & Annexure – III)*
- 3) The ULBs have undertaken various works under SWM component of Tied Funds of Basic Grants to ULBs under 15th FC amounting to Rs. 21.75 Crores – initiating Waste Segregation at Source, processing Wet/Organic Waste at HH/Community level by composting, conducting IEC and awareness for sensitizing the citizens for active community participation in achieving a clean, healthy environment. *(Details enclosed as Annexure – IV)*
- 4) The Programme Management Unit (PMU) at the Chief Secretary's Office had been designated to function as the dedicated cell to liaise with all concerned line Departments of the State Government on issues of SWM and Sewage Management vide Order No. CSO/NGT/2019/ dated 17/03/2025. *(Copy of Order enclosed as Annexure – V)*

1.2 LEGACY WASTE

<p>There are 12 identified Legacy Waste identified sites in the state having more than 10 years old accumulation period. Out of which, progress in Bioremediation is ongoing at Dimapur , Kohima and Chumoukedima. The Remaining 9 sites are under SBM-U 2.0 proposal for remediation.</p>	<p>Project cost ₹ Cr</p>
--	-------------------------------------

1	At Dimapur, from March 2022 till date the ULB intervention on Legacy Waste remediation at Sunrise Colony Dimapur is a continuous process. As per the quantification survey conducted under SBM-2.0 on 20th July 2024 from the estimated 460,000 MT of Legacy waste, DMC has remediated 333,567 MT of the Legacy waste.	0.2
	The remaining 126,433 MT is under remediation through SBM-U 2.0. The work is expected to be completed by July 2026.	8.8
2	ULB Level intervention for Legacy Waste Remediation at Dzuruzou Kohima Municipality was conducted by KMC during November 2022 to January 2023. As per the quantification assessment survey conducted under SBM-U from 20th March to 18th Aug 2023, the Legacy Waste at site is 40253 MT. Out of an estimated volume of 150,000 MT the volume has reduced by 109747 MT at Dzuruzou.	0.05
	Remediation of remaining 40253 MT is in progress through SBM-U 2.0. and expected to be completed by 31st Dec 2025	2.22
3	Remediation work of Legacy Waste is initiated for an estimated volume of 22849 MT under SBM-U 2.0. The expected date of completion is 31st Dec. 2025.	1.26

A total project cost of ₹ 12.53 (Rupees Twelve Crore Fifty Three Lakh only) is under progress. Details enclosed at Annexure VI

1.3 WASTE WATER MANAGEMENT (SEWAGE MANAGEMENT)

<p>1) The State Government through AMRUT Mission is in the process of tendering of FSTP and I&D Projects for 1 lakh above population ULBs in the State. Namely Dimapur and Kohima at the total project cost of ₹ 84 Cr.</p> <p>2) Under PHED NRCP Programme, Work Order for 13 (Thirteen) ULBs is issued for construction of 13 units FSTP at total project cost of ₹ 61.47Cr.</p> <p>3) The State SBM (U) 2.0 mission is in the process for tender of 2 (Two) FSTP projects and progress in DPR preparation for 2 STPs at Mokokchung and Phek. Feasibility for cluster treatment and DPR preparations for 20 FSTP projects are ongoing. The total project cost for Used Water Management is at ₹ 114.4 Cr. The DPRs are under technical validation by CPHEEO after discussion in the SLTC through VC, to adopt appropriate treatment facilities and technology best suited for the region. <i>(Details furnished at Annexure –VII)</i></p> <p>4) The PHED, Nagaland has taken several initiatives for reducing the gap between total sewage generation and total sewage treated by way of construction/improving projects. <i>(List of projects with details enclosed as Annexure – VIII)</i></p>
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1.4 RING FENCED ACCOUNT

Directions of Hon'ble NGT	Action taken
<p>57. Levy Compensation of Rs.200 Crores on the State on polluter pays principle, to be kept in a ring-fenced account and to be utilized for setting up of Processing facilities, STPs, FSTPs, etc so there remains no gap</p>	<ol style="list-style-type: none"> 1) The basic requirement for setting up of any facilities being availability of land, the State Government has initiated and purchased land for Waste Management Faculty Sites at 5 locations with a consolidated total amount of Rs 18.91 Crores, till date and intends to purchase more land for setting up of Waste Management and Processing facilities. (Details enclosed as Annexure – IX) 2) AEROBIO bacteria for effective septage management in Septic Tanks were procured with a total amount of Rs.5.25 Crores and distributed to all 39 ULBs for use in HH Septic Tanks, which is best suited for our hilly towns. 3) The state Government facilitated Zero Waste initiatives as part of its Swachh Bharat State initiative during the 25th Hornbill festival held at Kisama, Kohima, Nagaland with a total Project Cost of Rs.35.00 Lakhs. The initiative was a success and the State intends to replicate the success in other parts of the State. (Details enclosed as Annexure – X) 4) Under the directive of the Chief Secretary, Nagaland, the Clean Doyang Mission from 7th – 30th June for prevention and mitigation of environmental hazards caused by the irresponsible disposal of solid/plastic waste in the upstream of Doyang Dam reservoir at Wokha District by the District Disaster Management Authority, Wokha District with a total project cost of Rs.5.80 Lakhs which was a success and such initiatives to be taken up for other water bodies in the State. (Details enclosed as Annexure – XI) 5) 3- Wheeler e-Rickshaws Garbage lifting vehicles were procured for 8 ULBs with a total project cost of Rs. 2.00 Crores for better collection of waste. (Details enclosed as Annexure – XII) 6) A total project cost of ₹ 12.53 (Rupees Twelve Crore Fifty Three Lakh only) for legacy waste remediation is under progress. (Details enclosed at Annexure VI) 7) The State Government through AMRUT Mission is in the process of tendering of FSTP and I&D Projects for 1 lakh above population ULBs in the State. Namely Dimapur and Kohima at the total project cost of ₹ 84 Cr

	<p>8) Feasibility for cluster treatment and DPR preparations for 20 FSTP projects are ongoing. The total project cost for Used Water Management is at ₹ 114.4 Cr</p> <p>9) Under PHED NRCP Programme, Work Order for 13 (Thirteen) ULBs is issued for construction of 13 units FSTP at total project cost of ₹ 61.47Cr.</p> <p>10) The ULBs have undertaken various works under SWM component of Tied Funds of Basic Grants to ULBs under 15th FC amounting to Rs. 21.75 Cr.</p> <p>11) Based on the Action plan for integrated Waste Management being prepared for various ULBs, setting up of the appropriate facilities and technology based on best practices and suitability of respective towns.</p> <p>All the above projects with a consolidated amount of of Rs.321.24 Cr have already been sanctioned and release for various projects pertaining to SWM and Sewage Management, and at various stages of progress.</p>
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1.5 CAPACITY BUILDING/IEC ACTIVITIES FOR SWM & SEWAGE MANAGEMENT

Various Capacity Building activities at various levels – State Level, ULB Level, and Ward Levels are conducted for training all Stakeholders dealing with Waste Management for compliances with the Waste Management Rules 2016 and various Guidelines issued by GoI.

1. The Municipal Affairs Department organized an exposure trip for 20 Officials including Officers dealing with SWM matters, Administrators and ULB functionaries to India's cleanest city - Indore City, M.P. from 8th June to 12th June 2022, for learning from them by way of site visits to their facilities and interacting with their officials. *(Details enclosed as Annexure – XIII)*
2. The Municipal Affairs Department in collaboration with NIUA conducted an exposure visit on Water and Waste Management in Uttarakhand for 25 Elected Representatives of ULBs in Nagaland from 19th to 25th October 2024 to study the technology and facilities adopted by similar terrain cities with lesser population similar to that of Nagaland. *(Details enclosed as Annexure – XIV)*
3. The SBM (U), Urban Development Department has conducted various IEC activities for creating awareness amongst various groups for better management of wastes through engagement of stakeholders in all 39 ULBs, by way of primary interaction, social media, mass media and print media. The total allocation for IEC activities under SBM-U is ₹ 5 Cr.

*Annexure -1***Preparation of SWM Comprehensive Action Plan for 6 ULBs in Nagaland**

Sl.no	Activities	Date
1	Team Human Matrix Securite Presentation (Physical) at Chief Secretary Conference Hall in the presence of Hon'ble Advisor UD & MA	19-10-2023
2	Submission of Comprehensive SWM Action Plan by Human Matrix Securite	28-03-2024
3	Government Approval to the proposed comprehensive Action Plan for 6 ULBs	02-08-2024
4	Work Order for Preparation of SWM Action Plan for 6 ULBs in Nagaland	06-09-2024
5	Acceptance of Work Order by Human Matrix Securite	11-09-2024
6	Virtual Kick off meeting for Nagaland SWM Project	07-10-2024
7	point of Contact & to coordinate project activities at Mokokchung & Dimapur	14-10-2024
	Kohima	16-10-2024
8	Submission of Phase I Report	15-01-2025
9	Submission of 1st Draft SWM Action Plan for ULBs	10-02-2025
10	Review of SWM Action Plan for Nagaland ULBs	18-03-2025
11	Request for Review SWM Action Plan for Nagaland ULBs	22-03-2025

GOVERNMENT OF NAGALAND
MUNICIPAL AFFAIRS DEPARTMENT
NAGALAND, KOHIMA.

17

CIRCULAR

Dated Kohima, the 16th October, 2023.

No.MA-25/2019 (Vol-II): Team Human Matrix Securite, Indore, Madhya Pradesh will be making a physical presentation on Solid Waste Management (SWM) on 19/10/2023 in the Chief Secretary's Conference Hall at 1:00 PM in the presence of Hon'ble Advisor, UD & MA, the Chief Secretary, Nagaland and senior officers of relevant departments.

Team Human Matrix Securite as the game changer in Solid Waste Management initiative in Indore Municipal Corporation will be giving a presentation on the best practices on Solid Waste Management and will also be sharing work experiences and knowledge of the organizational involvement in Solid Waste Management in Indore city which was adjudged as the cleanest city in India for 6 (six) consecutive years.

Therefore, the following officers/ officials are hereby requested to make it convenient to attend the presentation.

1. Secretary, Forest, Ecology, Environment and Climate Change.
2. Secretary, IPR.
3. Member Secretary, Nagaland Pollution Control Board.
4. Chief Engineer, PHED
5. Director, Urban Development.
6. Additional Director & HoD, Municipal Affairs Department.
7. Mission Director, SBM-II.
8. Nodal Officer, SBM-II.
9. Administrators: Dimapur Municipal Council/Kohima Municipal Council/Mokokchung Municipal Council/ Chümukedima Town Council/ Tuensang Town Council/ Phek Town Council/ Wokha Town Council/ Mon Town Council/ Zunheboto Town Council.
10. Other Invitees: Earth Alliance & other NGO's.

Sd-

(KENILO APON) IAS

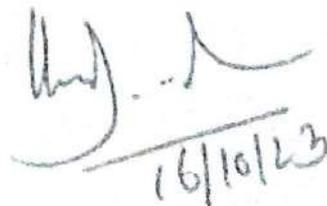
Commissioner & Secretary to Govt of Nagaland

Dated Kohima, the 16th October, 2023.

No.MA-25/2019 (Vol-II)

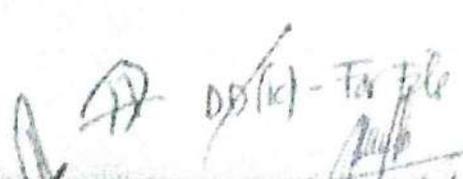
Copy to:

1. The Sr.PS to Advisor, UD&MA, Nagaland, Kohima.
2. The Deputy Secretary to Chief Secretary, Nagaland Kohima.
3. The Secretary, Forest, Ecology & Environment and Climate Change.
4. Secretary, IPR.
5. Member Secretary, Nagaland Pollution Control Board.
6. The Chief Engineer, PHED
7. The Director, Urban Development.
8. The Additional Director & HoD, Municipal Affairs Department.
9. Mission Director, SBM-II.
10. Nodal Officer, SBM-II.
11. Administrators: Dimapur Municipal Council/Kohima Municipal Council/Mokokchung Municipal Council/ Chümukedima Town Council/ Tuensang Town Council/ Phek Town Council/ Wokha Town Council/ Mon Town Council/ Zunheboto Town Council.
12. Other Invitees: Earth Alliance & other NGO's.
13. Office Copy/ Guard File.


16/10/23

(T NCHUMBEMIC 22YU3) NCS

Additional Secretary to the Government of Nagaland


DB (K) - For file

86

GOVERNMENT OF NAGALAND
DIRECTORATE OF MUNICIPAL AFFAIRS
NAGALAND: KOHIMA

NO.DMA/T-407/HMS/2023 / 777

Dated: Kohima the...^{6th}.....Sept 2024

To,

The Managing Director,
Human Matrix Securite,
Indore; Madhya Pradesh.

Sub: Work Order for Preparation of Solid Waste Management Action Plan for 6 (Six) ULBs in Nagaland.

Sir,

In inviting reference to your email dated 27th June 2024 on the subject "Proposal for Solid Waste Management Action Plan for Six ULBs in Nagaland" and consequent upon Administrative Approval received from Government vide No. MA-25/2019 (VOL-II)/599 dated 21st August 2024, Work Order amounting to **Rs. 42,50,000/- (Rupees Forty-Two Lakhs and Fifty Thousand) only** is hereby issued for preparation of Comprehensive Action Plan for 6 (six) ULBs viz. Dimapur MC, Kohima MC, Mokokchung MC, Tuensang TC, Chumoukedima TC, Wokha TC to address specific waste generation, collection and processing challenges and identification of essential infrastructure, including MRF, composting units, secured land fill sites and facilities/machineries/equipment of suitable capacities.

This is for your kind information and necessary action for submitting Acceptance Letter of Terms & Conditions as agreed based on the latest proposal received by e-mail dated 27th June 2024.

Enclosed: As stated

Yours faithfully,


(SOLESUL THOLRE)

Addl. Director & HoD
Directorate of Municipal Affairs
Nagaland: Kohima

NO.DMA/T-407/HMS/2023 / 777

Dated: Kohima the...^{6th}.....Sept 2024

Copy to:

1. The Senior PS to Hon'ble Advisor UDD & MAD for favor of kind information of the Hon'ble Advisor
2. The Commissioner & Secretary, UDD & MAD for kind information
3. Office Copy


(SOLESUL THOLRE)

Addl. Director & HoD

GOVERNMENT OF NAGALAND
MUNICIPAL AFFAIRS DEPARTMENT
NAGALAND, KOHIMA.

MA-25/2019(Vol.11)/599

Dated: Kohima, the 2nd August, 2024

To,

The Additional Director & HoD,
Directorate of Municipal Affairs,
Kohima, Nagaland.

Sub:- Forwarding of proposal for Solid Waste Management Action Plan for six ULBs in Nagaland.

Sir,

In inviting a reference to the subject cited above and in reference to letter No.DMA/T-407/HMS/2023/657, Dated 26th July, 2024, I am directed to convey Government's approval to the proposed Comprehensive Action Plan for six ULBs viz., Dimapur MC, Kohima MC, Mokokchung MC, Tuensang TC, Wokha TC, Chumoukedima TC in the state, however, it may be noted that the proposed action plan should be subjected to availability of funds.

This is for your kind information and necessary action. please.

Yours faithfully,


20/8/24

(KEDALE SEBU) NCS

Under Secretary to the Government of Nagaland.

DD(K) - for n/a.
21.8.24


22/8/2024

AD (Kif)
proven in HMS
file for v/a

22/8/2024

20

345

Municipal Affairs Directorate <dma4gon@gmail.com>



Work Order

2 messages

Municipal Affairs Directorate <dma4gon@gmail.com>
To: Mohit Mohanwani <mohitmohanwani@humanmatrix.co.in>

Wed, Sep 11, 2024 at 2:38 PM

Respected Sir,
Please find the attached 'Work Order' for necessary follow up action.

📎 Adobe Scan 11-Sept-2024 (3).pdf
586K

Mohit Mohanwani <mohitmohanwani@humanmatrix.co.in>
To: Municipal Affairs Directorate <dma4gon@gmail.com>
Cc: "Capt. Sunpreet Singh" <sunpreet@humanmatrix.co.in>, Human Matrix <info@humanmatrix.co.in>, Kevi Solo <kevilen777@gmail.com>

Wed, Sep 11, 2024 at 9:52 PM

Dear Sir/ Ma'am,

I am writing to confirm our acceptance of the work order attached in your previous email. We are grateful for the opportunity to work on this project and are committed to delivering high-quality results.

Our team is currently working on a detailed plan to initiate the work order. We will share this plan with you as soon as it is finalized.

Thank you for your continued trust and support.

Best regards,

Mohit Mohanwani
Chief Operating Officer
Human Matrix Securete

🛡️ Virus-free www.avast.com

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AD (H/S)
LDA (Aker)
Keep in HMS related file.
Over
12/9/24.
LDA (T)
Record in
HAM
12/9/24

DD (K) - Put up
Receipt No 1275 Date 12/9/24
Directorate of Municipal Affairs
Kashmir, Kathiema.
12/9/2024

346

Municipal Affairs Directorate <dma4gon@gmail.com>

Invitation to Virtual Kick-Off Meeting for Nagaland Solid Waste Management Project

1 message

Sat, Sep 28, 2024 at 5:47 PM

Mohit Mohanwani <mohitmohanwani@humanmatrix.co.in>
To: Municipal Affairs Directorate <dma4gon@gmail.com>
Cc: "Capt. Sunpreet Singh" <sunpreet@humanmatrix.co.in>, Human Matrix <info@humanmatrix.co.in>, Kevi Solo <kevilen777@gmail.com>

Dear Sir/Ma'am,

We are pleased to invite you to the virtual kick-off meeting for the Nagaland Project, aimed at enhancing solid waste management across six ULBs. This transformative initiative is crucial for fostering a cleaner, greener, and more sustainable Nagaland.

Meeting Details:

Date: October 7, 2024
Time: Please suggest a suitable time

Agenda:

- Project Overview** – Introduction to the project and its significance for Nagaland.
- Challenges and Opportunities** – Discussion on current waste management issues and potential for positive impact.
- Scope and Objectives** – Detailed look into the project's goals and expected outcomes.
- Stakeholder Roles** – Clarifying responsibilities to ensure success.
- Q&A Session** – Opportunity for insights and questions.

Your active participation is vital for the success of this project. Please confirm your availability and share the names of the representatives from all six ULBs.

Additionally, kindly suggest a preferred meeting time that fits your schedule, and we will accommodate accordingly.

Looking forward to your participation in making this project a success.

Thanks & Regards
Mohit Mohanwani
Chief Operating Officer
Human Matrix Securite

On Wed, Sep 11, 2024 at 9:52 PM Mohit Mohanwani <mohitmohanwani@humanmatrix.co.in> wrote:

Dear Sir/ Ma'am,

I am writing to confirm our acceptance of the work order attached in your previous email. We are grateful for the opportunity to work on this project and are committed to delivering high-quality results.

Our team is currently working on a detailed plan to initiate the work order. We will share this plan with you as soon as it is finalized.

Thank you for your continued trust and support.

Best regards,

Mohit Mohanwani
Chief Operating Officer
Human Matrix Securite

DD (E) - Put up urgently
AD (S)
Mohit
30/9/24

LPA (T)
HMS file.
AKA
30/9/24

Receipt No. *1377* Date *30/9/24*
Directorate of Municipal Affairs
Nagaland - Kohima.



347

**OFFICE OF THE
MOKOKCHUNG MUNICIPAL COUNCIL
MOKOKCHUNG: NAGALAND**



110
22

NO.MMC-31/EST(MA)/2024/182 / Dated: Mokokchung the 14th October 2024.

To,
The Joint Director & HoD,
Municipal Affairs Department,
Nagaland: Kohima.

Sub: Nomination of Nodal Officer.

Madam,

In inviting a reference to your letter NO. DMA/T-407/HMS/2023/465 Dated Kohima the 8th October 2024, I am hereby nominating Shri. Kilepchiba Sanitation Inspector, MMC as the point of contact and also to oversee and coordinate project activities for preparation of comprehensive Action Plan in respect of Mokokchung Municipal Council.

Name	Shri. Kilepchiba
Mobile No	9436605453
Email Id	kilepjm@gmail.com

This is for your kind information and necessary action.

Yours Sincerely

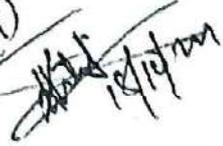

(CHUMLAMO HUMTSOE)
ADC & Chief Executive Officer,
Mokokchung Municipal Council,
Mokokchung, Nagaland.

NO.MMC-31/EST(MA)/2024/ / Dated: Mokokchung the 14th October 2024.
Copy to:

1. The Chairman, MMC for kind information.
2. The Deputy Chairman MMC for kind information.
3. Shri. Kilepchiba Sanitation Inspector MMC for information & necessary action.
4. Office copy.

DD [Signature] - [Signature]
17/10/2024

Receipt No. 1509 Date: 16/10/24
Directorate of Municipal Affairs
Nagaland: Kohima

LDA(D)

14/10/2024

AO (LDA)
Under HMC
[Signature]
12/10/24

ADC & Chief Executive Officer,
Mokokchung Municipal Council,
Mokokchung, Nagaland.

348

OFFICE OF THE
DIMAPUR MUNICIPAL COUNCIL
DIMAPUR, NAGALAND

Dtd. Dimapur the 14th Oct'2024.

No DMC/SWM/Crosp/2023/2024

To,
The Joint Director & H.O
Directorate Municipal Affairs
Nagaland, Kohima

Subject: Nomination of Nodal Officer for Solid Waste Management Action Plan Preparation.

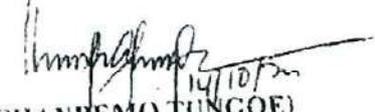
Sir,

With reference to the letter vide NO DMA/1-107/HMS/2023/465.Dated, Kohima, the 08th October 2024, I am pleased to inform you that Mr. Adrian Mahung has been nominated as the Nodal Officer for the preparation of the Solid Waste Management Action Plan for the Dimapur Municipal Council. In this capacity, Mr. Mahung will be responsible for overseeing and coordinating the development of the Action Plan, ensuring it aligns with regulatory guidelines, and addresses the specific waste management challenges faced by the Dimapur Municipal Council.

Should you have any queries or require further information, please feel free to contact Mr. Mahung directly at +917005440766 / +917308220128 or amahung@gmail.com.

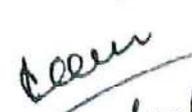
Thank you for your attention to this matter.

Yours sincerely,


(THUNGCHANBEMO TUNGOE)
Chief Executive Officer,
Dimapur Municipal Council,
Dimapur, Nagaland.


17/10/2024

~~AD (L)~~
du has file


17/10/24

LOA (T)

18/10/24

Receipt No 1510 Date 15/10/24
Directorate of Municipal Affairs
Nagaland, Kohima

123

OFFICE OF THE
KOHIMA MUNICIPAL COUNCIL
KOHIMA, NAGALAND

NO.KMC/DMA/SWM ACTION PLAN-2024/

Dt.Kma,the _____ th Oct, 2024

To,

The Joint Director & HoD,
Directorate of Municipal Affairs,
Nagaland, Kohima.

Sub: NOMINATION OF NODAL OFFICER FROM KOHIMA MUNICIPAL COUNCIL.

Sir,

On the subject cited above with reference to your office Letter No.DMA/T-407/HMS/2023/465 dated Kma, the 8th Oct, 2024, I am to nominate **Shri Khrielaphrezo, Sanitary Inspector, Kohima Municipal Council, Email ID - khrielaphrezo@gmail.com, Mobile No. 9077798101** as the Nodal Officer for Preparation of Comprehensive Action Plan for Solid Waste Management for Kohima Municipal Council by Human Matrix Securite, Indore, MP.

This is for your kind information and necessary action, please.

Yours Sincerely,

(T.LANUSENLA LONGKUMER)
Chief Executive Officer,
Kohima Municipal Council
Dt.Kma,the 16 th Oct, 2024

NO.KMC/DMA/SWM ACTION PLAN-2024/ 2020
Copy to:

1. Shri Khrielaphrezo, Sanitary Inspector, KMC for information and necessary actions.
2. Office copy

(T.LANUSENLA LONGKUMER)
Chief Executive Officer,
Kohima Municipal Council

Handwritten signature and date: 21/10/24

Handwritten note: No. 1525 Date 18/10/24

Submission of Phase 01 Bill for SWM Plan Preparation for 06 ULBs in Nagaland

1 message Wed, Jan 15, 2025 at 6:39 PM

Amitoj Singh <amitoj@humanmatrix.co.in>
To: "dma4gon@gmail.com" <dma4gon@gmail.com>, Kevi Solo <kevilen777@gmail.com>
Cc: Mohit Mohanwani <mohitmohanwani@humanmatrix.co.in>, Human Matrix <info@humanmatrix.co.in>, Human Matrix <accounts@humanmatrix.co.in>

Dear Sir,

I am writing to formally submit the Phase 01 bill for the preparation of Solid Waste Management (SWM) plans for six Urban Local Bodies (ULBs) in Nagaland. The required documents supporting the bill are attached for your reference.

Details of Submission:

- **Project Name:** Preparation of SWM Plans for 06 ULBs In Nagaland
- **Phase:** Phase 01
- **Attached Documents:**
 - Phase 01 bill
 - Kickoff meeting Presentation & agenda points
 - Site visit reports for each ULB.
 - Data collection summaries.
 - Preliminary assessment report.

Please let me know if any additional information or documentation is required to process the bill. I would appreciate it if you could confirm receipt of this email and the attached documents at your earliest convenience.

Thank you for your support and cooperation.

Best regards,

Amitoj Singh

 Phase1 Bill.zip
21063K

Copy - Put up [Signature] 16/01/2025

*AWA (Lako)
Process to HHS
file for 1/1/25
Account
16/1/25*

Receipt No 1983 Date 16/1/25
Directorate of Municipal Affairs
Nagaland - Kohima



Municipal Affairs Directorate <dma4gon@gmail.com>

Submission of First Draft of SWM Action Plans for ULBs – Pending Data for Finalization

Amitoj Singh <amitoj@humanmatrix.co.in>
To: dma4gon@gmail.com, Kevi Solo <kevilen777@gmail.com>
Cc: Mohit Mohanwani <mohitmohanwani@humanmatrix.co.in>

Mon, Feb 10, 2025 at 5:05 PM

Dear Mam,

I hope this email finds you well.

We have almost completed the first draft of the Solid Waste Management Action Plans for all six ULBs. The draft includes a comprehensive assessment of the existing waste management scenario and proposed interventions.

We are currently awaiting the waste characteristics, Chemical Characterisation, Waste quantification data for all ULBs. Once this data is received, we will incorporate specific, data-driven solutions across the SWM value chain to ensure a tailored and effective approach for each ULB.

Upon completion, we will share the drafts for review and feedback from the respective ULBs and your esteemed office. Please let us know if there are any specific points that should be considered before finalization.

Looking forward to your confirmation on the pending data and the next steps.

Best regards,



Municipal Affairs Directorate <dma4gon@gmail.com>

Request for Review SWM Action Plan for Nagaland ULBs

Aditi Agrawal <aditi@humanmatrix.co.in>

Tue, Mar 18, 2025 at 12:28 PM

To: Municipal Affairs Directorate <dma4gon@gmail.com>

Cc: Amitoj Singh <amitoj@humanmatrix.co.in>, Kevi Solo <kevilen777@gmail.com>, Mohit Mohanwani <mohitmohanwani@humanmatrix.co.in>, "Capt. Sunpreet Singh" <sunpreet@humanmatrix.co.in>

Dear Mam,

Please find below the meeting link for today.

HMS is inviting you to a scheduled Zoom meeting.

Topic: Review Meeting on Nagaland SWM Plan

Time: Mar 18, 2025 02:00 PM India

Join Zoom Meeting

<https://zoom.us/j/99556157795?pwd=hlCoWt8ynYbqsr0tTXaCtuT7FwK6wr.1>

Meeting ID: 995 5615 7795

Passcode: 364547

[Quoted text hidden]

--

Best,

Aditi Agrawal

Director - People & Project Management (India) | Human Matrix



353

Municipal Affairs Directorate <dma4gon@gmail.com>

28

Request for Review SWM Action Plan for Nagaland ULBs

Mohit Mohanwani <mohitmohanwani@humanmatrix.co.in>

Sat, Mar 22, 2025 at 6:09 PM

To: Municipal Affairs Directorate <dma4gon@gmail.com>, Kevi Solo <kevilen777@gmail.com>

Cc: Amitoj Singh <amitoj@humanmatrix.co.in>, "Capt. Sunpreet Singh" <sunpreet@humanmatrix.co.in>, Aditi Agrawal <aditi@humanmatrix.co.in>

Dear Mam,

Following up on our discussion regarding the Solid Waste Management (SWM) Action Plan for Nagaland Urban Local Bodies (ULBs), I am sending the first draft of the action plan with Kohima attached for your perusal and review.

We have incorporated key discussion points from our last meeting on March 18th and believe this draft reflects the specific needs of Kohima. We are looking forward to receiving your feedback.

Please let us know if you have any questions or require further information.

Best regards,

Mohit

[Quoted text hidden]



SWM Action plan kohima .docx

6090K

ANNEXURE-II

Details of MRF for ULBs

Sl. no	Particulars	Amount (in Rs)	Grant Total (in Rs)	Status
1	Construction of Base work, side drainage, Retaining wall & MRF Shed at 10 ULBs	43,34,880	65,70,364	Completed
	Tseminyu	3,33,528		
	Medziphema	1,26,148		
	Jalukie	1,32,335		
	Niuland	1,26,538		
	Changtongya	3,39,912		
	Tuli	1,39,811		
	Bhandari	3,45,868		
	Naginimora	1,40,807		
	Tizit	1,40,807		
	Kiphire	4,09,730		
2	Procurement, Installation & Transportation of Plastic Multipurpose Shredder Machine at 7 ULBs		40,35,540	Completed
	Medziphema			
	Tuli			
	Bhandari			
	Dimapur			
	Chumukedima			
	Wokha			
Mokokchung				
3	Live Demo & Training at		1,00,000	
	Total (In Rs.)		1,07,05,904	

Construction of MRF Shed at SWM Facility Site of 10 ULBs in Nagaland.



Jalukie Town



Changtongnya Town



Bhandari Town



Naginimora Town



Tuli, Nagaland, India
Tuliyong ward, MJFW+G7F, Tuli, Nagaland 798618, India
Lat 26.674304°
Long 94.645747°
19/03/24 03:01 PM GMT +05:30

GPS Map Camera

Installation of Multi Plastic Shredder Machine at MRF Site, Chumoukedima and Live Demo on operation.



Annexure – III

List of Works undertaken under 15th FC TIED Grants under SWM Component

Sl.NO	Name of the Work	Name of ULB	Location	Project Cost	Status
1.	Procurement and Distribution of Biodegradable/Reusable Shopping/grocery bags to all households to reduce usage of plastics and create awareness on plastic waste	Tseminyu TC	Tseminyu Town	5.00	Completed
1.	Procurement of dry/Wet waste Bin for distribution to selected households for better segregation of waste at source		Tseminyu Town	5.00	
2.	Procurement and distribution of Aerobio Solution to all households for septage management		Tseminyu Town	5.00	
3.	Construction of Retaining wall at newly purchased sanitary landfill site at Tseminyu		New Sanitary Landfill Site	7.85	
4.	Construction of Culvert at newly purchased sanitary landfill site for maintenance of drainage.		New Sanitary Landfill Site	5.65	
5.	Improvement and re-enforcement of the Base and walls of Waste Disposal area in Dumpsite/Sanitary Landfill	Satakha TC	SWM Facility Site	5.00	Completed
6.	Concrete Pavement of the Approach road of the Dumpsite/Sanitary Landfill		SWM Facility Site	5.00	
7.	Construction of Sorting Centre-cum-temporary storage facility for recyclable Solid Wastes		SWM Facility Site	2.50	
8.	Installation of Twin Litter Bins in commercial areas, schools and public area		All around Satakha Town	6.00	
9.	Screening/cleaning and Monitoring of Storm Water Drains/nallahs		Satakha Town	2.30	
10.	Installation of Plastic Collection Points		In Every Ward	2.70	
11.	Procurement of Colored Waste Bins	Wokha TC	All Wards/ Selected Colonies	17.50	Completed
12.	Providing Aerobio Solution		All Wards/ Selected Colonies	17.50	
13.	Procurement of Vehicle for Garbage Collection		Wokha Town	26.10	

14.	Procurement of sanitation workers equipment and dustbins		Wokha Town	9.90	
15.	Workshops/Trainings/Seminars for Sanitation and Garbage Free		Wokha Town	1.50	
16.	Procurement/purchase of Mahindra Bolero Pick Up Extra Long FB 1.7T alongwith registration, insurance and delivery charge	Tizit TC	Tizit Town	11.37	Completed
17.	Workshop & IEC Campaign on Sanitation & Solid Waste Management		Tizit Town	3.63	
18.	Construction of Material Recovery Collection Points		In all Nine Wards	9.00	
19.	Construction of Material Recovery Facility(MRF) in Main Dump Site		SWM Facility Site	3.00	
20.	IEC Activities and Awareness campaigns in SW segregation and Management and Continuous Community engagement for behavioral changes on waste Management		Tizit Town	1.50	
21.	Procurement of Colored Waste Bins		Seyochung TC	All wards and Market place	
22.	Construction of Bifurcated Waste incineration plant at STC Dumping Site	SWM Facility Site		3.00	
23.	Procurement of Site for construction of MRF Store	SWM Facility Site		5.00	
24.	Site Cutting and Protection Wall	SWM Facility Site		3.00	
25.	Construction of Approach Road, fencing and site leveling for Material Recovery Facility	Aghunato TC	SWM Facility Site	10.00	Completed
26.	Purchase of land for construction of FSTP at Shevulho Ward (Including documentation of land and setting of boundary pillar)		Sata road, Agunato Town	11.00	
27.	Construction of Boundary Wall at Dumping Site	Atoizu TC	Ward-1	7.50	Completed
28.	Construction of RCC Segregation for Waste Bins		Ward-1 (Part-A)	1.00	
29.	Construction of RCC Segregation for Waste Bins		Ward-1 (Part-B)	1.00	
30.	Construction of RCC Segregation for Waste Bins		Ward-2	1.00	
31.	Construction of RCC Segregation for Waste Bins		Ward-3	1.00	
32.	Construction of RCC Segregation for Waste Bins		Ward-4	1.00	

33.	Construction of RCC Segregation for Waste Bins		Ward-5	1.00	
34.	Construction of RCC Segregation for Waste Bins		Ward-6	1.00	
35.	Construction of RCC Segregation for Waste Bins		Ward-7	1.00	
36.	Construction of RCC Segregation for Waste Bins		Ward-8	1.00	
37.	Construction of RCC Segregation for Waste Bins		Ward-9	1.00	
38.	Proposal for purchase of Dustbins (200) Nos		Atoizu Town	1.00	
39.	Storm Water Drain Along the Cement Concrete Road at DMC Dumping Site, UNB Burma Camp, Dimapur		DMC SWM Facility Site, UNB Burma Camp, Dimapur	75.00	
40.	Purchase of 3 Nos. of 1 Cum Capacity Tipper Mounted on truck Chassis	Dimapur TC	Dimapur Town	41.6	Completed
41.	Purchase of 3 Nos. of 1.5 M.T Tractor trailer with Hydraulic System		Dimapur Town	9.00	
42.	Construction of Organic Waste Composting Plant at Dumpsite		SWM Facility Site	14.00	
43.	Awareness campaign on waste management (Water & Sanitation)		Dimapur Town	5.40	
44.	Procurement of litter bins to be placed at 50-100 metres at both commercial and public areas	Longleng TC	Longleng Town	9.90	Completed
45.	Procurement of Wheelbarrow for waste handling and segregation		Longleng Town	0.47	
46.	IEC- Construction of I love Longleng Plaque Permanenet structure and other awareness programs and meetings		Longleng Town	5.12	
47.	Procurement of Land for MRF	Kiphire TC	New KTC SWM Facility Site	4.00	Completed
48.	Site Cutting & Retaining wall		New KTC SWM Facility Site	6.00	
49.	Construction of MRF Store		New KTC SWM Facility Site	2.50	
50.	Procurement of Colored waste Bins		Selected colonies/Commercial Public areas	10.00	
51.	Purchase of Land for extension of Dumping Site measuring 2.96 Acre		SWM Facility Site	14.00	
52.	Clearance and installation of boundary pillars of the extended dumping site		SWM Facility Site	2.50	

53.	Door to Door Collection	Kohima MC	Kohima Town	5.00	Completed
54.	Source Segregation at Source level; Sensitization of households		Kohima Town	10.00	
55.	Sweeping; procurement of protective gears as well as work equipments		Kohima Town	5.00	
56.	Litter Bins		To be placed at regular intervals in the town	2.00	
57.	Storage Bins Cover		22 Locations in the town	7.00	
58.	Beautification of Garbage vulnerable points		Kohima Town	2.00	
59.	Waste processing- Wet Waste: Awareness creation		Kohima Town	4.00	
60.	Waste Processing Capacity-Wet waste: Awareness on home composting		Kohima Town	4.00	
61.	Screening of storm water drains/nullahs		Kohima Town	3.00	
62.	Waste-Processing-Dry Waste: Awareness activities at ward level		All wards	3.00	
63.	Waste processing capacity-Dry Waste: Community segregation		Kohima Town	3.00	
64.	Grievance Redressal, Essential, penalty/spot fines by involving KSCDL and ward volunteers		Kohima Town	5.00	
65.	Signage (Littering, illegal/irresponsible dumping, throwing of garbage in drains etc)		To be placed at collection points and GVPs	2.00	
66.	Segregation at city level through awareness and public participation		Kohima Town	3.00	
67.	Plastic ban: periodical inspection and checking		Kohima Town	2.00	
68.	C&D Waste Collection		Identified locations for collection reuse in and around the town	5.00	
69.	Door to Door Collection : to Ward level committees for improving door to door collection, purchase of basic equipment & safety gear for sanitary workers		All wards	9.50	
70.	Source segregation at ward level		All wards	3.00	
71.	Sweeping -procurement of basic safety gears and work equipments for sanitary workers		All wards	4.00	

72.	Customized storage bins with cover		Kohima Town	10.00	
73.	Beautification of garbage vulnerable points		Interventions at vulnerable points in the town	10.00	
74.	Waste Processing-Wet Waste-Procurement of Green Bran and green balls for composting and septic tank management		Kohima Town	3.00	
75.	Waste Processing capacity- hands on training on composting		Kohima Town	3.50	
76.	Wet Waste Awareness and IEC on illegal dumping, Cleaning of Dzuvuru and Nacharu streams		Dzuvuru and Nacharu streams	4.00	
77.	Screening of storm water drains/Nullahs		Screening at vulnerable location in Kohima Town	1.00	
78.	Waste Processing: Dry waste & Waste Processing capacity -Dry Waste: -procurement and installation of glass crusher machine & Construction of pit with outlet for glass bottles		Kohima Town	5.00	
79.	Segregation at city level: IEC & Signage		Kohima Town	5.00	
80.	Plastic Ban: IEC Materials, periodical inspection/checking		Kohima Town	2.00	
81.	Purchase of 1 Nos. of Mini Tipper Truck (SK610) for garbage disposal		Mokokchung Town	18.00	
82.	Wet waste composting structure at 4 wards		Mokokchung Town	1.00	
83.	Purchase of Bitumin drums for wet waste composting at Alempang		Alempang	1.50	
84.	Purchase of Green Bran	Mokokchung MC	Mokokchung Town	2.50	Completed
85.	Purchase of 833 Nos. of dustbins to be placed in selected location of the town		Selected locations of the town	12.00	
86.	Purchase of one truck LPK 912/5 cum tipper BS VI		Mokokchung Town	25.00	
87.	Purchase of Bio Culture		MMC SWM Facility Site	4.00	
88.	Procurement of Tipper Truck with hydraulic along with registration and insurance	Mon TC	Mon Town	19.00	Completed
89.	Procurement of colored waste bins for commercial areas along with transportation cost		In all commercial areas of Mon town	4.00	

90.	Construction of metal stands for the bins in selected locations along the town/roadside		Mon Town	2.00	
91.	Construction of Wet Compost pit for management and processing of wet waste in all even wards		In all eleven wards	18.70	
92.	Purchase of tools (Bucket, hoe, rack, gloves, etc.) including transportation charges		Mon Town	2.50	
93.	Purchase of 565 nos. of Aerobio		Mon Town	10.30	
94.	IEC Activities		Mon Town	5.00	
95.	Procurement of colored litter bins		Noklak Town	5.00	
96.	Construction of garage for sanitation vehicles cum store for equipment		i. main bazaar area ii. Danglepdong ward	3.00	
97.	Procurement of Aerobio		Noklak Town	2.00	
98.	Purchase of Land for MRF cum FSTP		Near Existing MRF Site	2.50	
99.	Construction of retaining wall at MRF site		MRF Site	5.50	
100.	Construction of Shed/Store at MRF Site	Noklak TC	MRF Site	5.50	Completed
101.	IEC on Waste segregation/Waste management in all wards		In all Wards	2.00	
102.	Procurement of Kit and equipment for sanitation workers		Noklak Town	1.00	
103.	Installation of waste/plastic bins at important locations, schools, offices etc		Across Noklak Town	1.00	
104.	Construction of Approach road and site leveling at MRF Site		MRF Site	3.50	
105.	Construction of Protection Wall		PTC SWM Facility Site	12.50	
106.	Construction of Store room at the MRF Facility	Phek TC	MRF Facility site Phek Town	10.00	
107.	Construction of garbage collection point (metal structure)		Kaiha ward	1.00	
108.	Construction of garbage collection point (metal structure)		Hahnyan ward	1.00	
109.	Construction of garbage collection point (metal structure)		Mansham ward	1.00	
110.	Construction of garbage collection point (metal structure)	Aboi TC	Pinkhong ward	1.00	Completed
111.	Construction of garbage collection point (metal structure)		Yuongkim ward	1.00	
112.	Construction of garbage collection point (metal structure)		Anglong ward	1.00	
113.	Construction of garbage collection point (metal structure)		Koiwang ward	1.00	

114	Construction of garbage collection point (metal structure)		GA Rest House	1.00	
115	Purchase of pick-up truck for collection of garbage		Aboi Town	11.00	
116	Purchase of colour coded waste bins		Aboi Town	2.50	
117	Construction of MRF	Changtongya TC	Waste management site, Changtongya Town	17.50	Completed
118	Construction of brick boundary wall		CTC SWM Facility Site Changtongya Town	13.50	
119	Construction of waste segregation shed, procurement of litter bins	Chiephobozou TC	SWM Facility Site Chiephobozou Town	7.50	Completed
120	Construction of protection/retaining wall		SWM Facility Site Chiephobozou Town	5.00	
121	Construction of boundary fencing		SWM Facility Site Chiephobozou Town	3.00	
122	Construction of drainage		SWM Facility Site Chiephobozou Town	3.00	
123	Maintenance of CTC dumping site	Chumoukedima TC	CTC SWM Facility Site	13.70	Completed
124	Procurement of litter bins	East Dimapur TC	East Dimapur	6.00	Completed
125	Segregation of waste at source – to provide 2 (two) dustbins to 2000 HHs		East Dimapur	10.00	
126	Seminars and awareness campaign		East Dimapur	4.00	
127	Segregation of waste at source – to provide 2 (two) dustbins to 800 HHs		East Dimapur	4.00	
128	Seminars and awareness campaign		East Dimapur	2.50	
129	Purchase of vehicle for waste management		East Dimapur	10.00	
130	CRSM retaining wall at landfill site	Longkhim TC	SWM Facility Site Longkhim Town	10.00	Completed
131	Construction of retaining wall at new landfill site		SWM Facility Site Longkhim Town	11.00	
132	Procurement of green and blue dustbins	Mediphema TC	Medziphema Town	10.00	Completed
133	Construction of compost pit for wet waste	Niuland TC	SWM Facility Site Niuland Town	3.50	Completed
134	Procurement of plastic collection iron bins		Market area and all the wards, Niuland Town	2.00	
135	Procurement of shovels, hand gloves, rubber boots, protective hats and masks for sanitation workers		Niuland Town	0.50	

136	IEC for segregation of waste at source		Niuland Town	1.50	
137	Procurement of iron bins for plastic collection		Niuland Town	5.00	
138	IEC on waste segregation at various wards		Niuland Town	2.00	
139	Construction of MRF		SWM Facility Site Niuland Town	4.00	
140	Biomedical waste facility		PTC SWM Facility Site Pfutsero Town	3.50	
141	Construction of home composting pit	Pfutsero TC	a. Baptist Theological College hostel b. Nazareth School hostel c. NAPC Coy HQ d. DEF (Police) HQ e. TMTSS Hostel	6.00	Completed
142	Construction of community compost pit		a. DIET, Pfutsero b. Pfutsero Govt. College	3.00	
143	IEC campaign		Pfutsero Town	3.89	
144	Procurement of coloured dustbins		Pfutsero Town	5.61	
145	Construction of approach road		PTC SWM Facility Site	6.00	
146	Development of disposal/ waste management site		PTC SWM Facility Site	2.50	
147	Construction of waste segregation structure/ MRF	Pungro TC	PTC SWM Facility Site	4.00	Completed
148	Construction of boundary wall (Phase 1)		SWM Facility Site, Pungro Town	9.52	
149	Purchase of waste bins		Pungro Town	1.48	
150	Construction of boundary wall		SWM Facility Site	3.00	
151	Construction of approach road		SWM Facility Site	3.00	
152	Construction of 2 culverts on the road leading to SWM site		SWM Facility Site	4.00	
153	Metaling and soiling of road leading to SWM site	Shamator TC	SWM Facility Site	1.00	Completed
154	Construction/repair of boundary wall		SWM Facility Site	7.00	
155	Construction of waste collection points for 11 wards		Shamator Town	5.50	
156	IEC campaign on waste segregation at source, SWM, compost pit at household level	Tamlu TC	Tamlu Town	11.00	Completed
157	Purchase of sanitary landfill site		Tening Town	10.00	
158	IEC on SWM		Tening Town	2.20	
159	Procurement and installation of collection iron bins	Tening TC	Tening Town	3.00	Completed

160	Procurement and installation of waste collection bins (wet and dry)		Tening Town	2.00	
161	Procurement of shovels, hand gloves, rubber boots, protective hats, vest, masks		Tening Town	0.30	
162	Construction of waste collection centres for temporary waste collection	Tobu TC	Ward 1, 4 & 7, Tobu Town	2.30	Completed
163	Construction of boundary wall cum protection wall		SWM Facility Site	8.00	
164	Soiling of approach road to waste treatment site		SWM Facility Site	2.20	
165	IEC campaign for source segregation at ward level		Tobu Town	4.00	
166	Extension and site development of sanitary landfill (CC structure)		SWM Facility Site, Tobu Town	4.50	
167	Purchase of waste bins		Tobu Town	3.00	
168	Construction of community composting pit (CC structure)		ADC ward, Tobu Town	2.00	
169	Procurement of colored bins			All the wards	
170	Hands on training, IEC on waste to compost system model	Tuensang TC	All the wards	10.00	
171	Construction of small scale compost pit		All the wards	22.50	
172	Road formation cutting of approach road, soiling and site levelling	Zunheboto TC	FSTP site, Shothomi, Zunheboto Town	25.00	Completed
173	Awareness programme on waste management at ward level		Zunheboto Town	1.00	
174	Purchase of PPE kits for sanitation workers		Zunheboto Town	0.46	
175	Construction of Retaining Wall at SWM site	Jalukie TC	Veterinary Ward	04.00	Completed
176	Construction of Half RCC R Barbed wire fencing at SWM Site		SWM Facility Site Jalukie TC	04.50	
177	Construction of Waiting Shed for sanitation workers at SWM site		SWM Facility Site Jalukie TC	05.00	
178	Site levelling and construction of ramp for tipper truck and boundary fencing at landfill site	Chozhuba TC	Chozuba SWM Facility Site	06.00	Completed
179	Expansion of SWM Site		Adjoining Chozuba SWM Facility Site	04.00	
180	Training on waste segregation in all 9 wards			06.01	
181	Expansion of existing SWM Site			04.99	
182	Procurement of colored waste bins	Naginimora TC	All Wards	17.50	Completed
183	Provision of AEROBIO Solution		All Wards		

184	Purchase of new SWM Site and fencing in the site		SWM Facility Site Naginimora TC	13.50	
185	Development of SWM Site (site levelling, fencing)	Peren TC	SWM Facility Site Jalukie TC	12.50	Completed
186	Development of SWM site (Construction of MRF, incinerator, RWH Structure)		SWM Facility Site Peren TC	13.50	
187	BCC n IEC on Source Segregation	Tuli TC	Tuli TC	02.50	Completed
188	Construction, repair, renovation of Landfill Site		SWM Facility Site Tuli TC	06.50	
189	Construction of Shed for storage of recovered waste		SWM Facility Site Tuli TC	04.00	
190	Construction of Community Composting Pit at 4 Locations		Tuli TC	04.50	
191	BCC n IEC on Source Segregation		Tuliyong Ward	03.00	
192	Extension and site development of SWM Site		SWM Facility Site	03.62	
193	Construction of Community Compost Pits at two locations		Ardokmang Ward Longlilenden ward	04.00	
194	Site development at SWM facility Site	Bhandari TC	Bhandari Village	13.50	Completed
195	Construction of Community Composting Pit		1 each in 9 wards	10.35	
196	Construction of steel fabricated waste container (51 nos)		Strategic locations	04.65	
197	Construction of designated Reduce, Reuse & Recycle (RRR)	Meluri TC	Meluri Town	12.50	Completed
198	Intensive hands on training on waste segregation at source and SWM & IEC Campaign		Meluri Town	9.50	
199	Construction of line side drain from CHC junction towards traffic point SWM CHC Junction		CHC junction towards traffic point	4.00	
200	Procurement of Waste Bins for D2D Collection	Mangkolemba TC	All Wards	3.40	Completed
201	Customization of Waste Disposal Vehicle by portioning for segregated Waste & Site Development of SWM Facility Site		Mangkolemba	6.45	
202	Procurement of Bacteria - Green Bran for composting. 1.50		Mangkolemba	1.50	
203	Setting up of MRF Shed		SWM Facility Site, Mangkolemba	11.00	
204				1281.62	

Works undertaken under 1st PC TED GRANT



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 Long: 94.038128°
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Sharniya, Nagaland, India
 UTM: 793846T, Sharniya, Nagaland 793800, India
 Lat: 26.388328°
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Sharniya, Nagaland, India
 UTM: 793846T, Sharniya, Nagaland 793800, India
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 Long: 94.038128°
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The activities on source segregation of solid waste, Toubi



GPS Map Camera

Google

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Distribution of waste bins in all the ward.



Construction of community centre in Saginaw, Ohio



BEFORE



AFTER



BEFORE



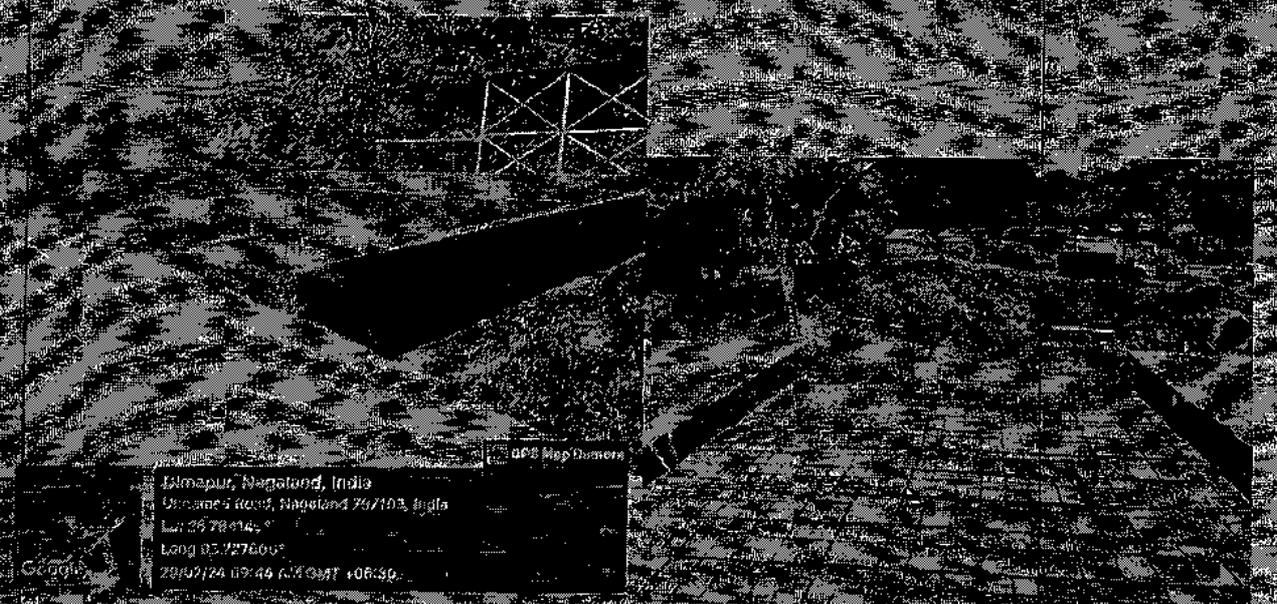
AFTER

Construction of drainage in Tamil town

Construction of drainage in Tamil town

Construction of RCC Drain at DMG Dumpsite situated at UNR Buma Camp

Construction of RCC drains at DMG dumping site UNR Buma Camp Dimapur



Dimapur, Nagaland, India
 Dimapur Road, Nagaland 797103, India
 Lat: 26.78114, °
 Long: 93.727600°
 28/07/24 09:49 A.M GMT +06:30

Development of Paved Sludge Treatment Plant at Solid Waste Management Site, Chirouk Edima



Ungma, Nagaland, India
 70V7+22, 140X, Mohong Ujansang Rd, Tuandland, Ungma, Nagaland
 791595, India
 Lat 26.181879°
 Long 94.61185°
 10/12/24 02:33 PM GMT +05:30

Locally made wet waste shredding machine Mokokahung



Wokha, Nagaland, India
 37J4+9FG, Wokha, Nagaland 797111, India
 Lat 26.081471°
 Long 94.256308°
 20/12/24 03:22 PM GMT +05:30

Wokha, Nagaland, India



Nagaland India
 Wagon Yard, 2, N. H. 10, Kohima, Nagaland
 India
 U.S. 689636 along 93-259
 Date: 10 Dec 1976 camera 1000

Material Recovery Facility, Dimapur

Sl. No	15th FC TIED GRANT	AMOUNT	DATE OF RECEIPT	50% of TIED GRANT for SWM & SANITATION
1	1 st Installment 2021 – 21	15.00 crore	05/11/2020	7.50 crore
2	2 nd Installment 2020 – 21	15.00 crore	01/05/2023	7.50 crore
3	1 st Installment 2021 – 22	13.50 crore	31/03/2024	6.75 crore
	Total			21.75 crore

Out of 21.75 crores transferred, Rs. 12.8162 crores have been utilized for various works related to Solid Waste Management and Sanitation. The remaining balance of Rs. 8.7338 crores are currently being utilized for works related to Solid Waste Management and Sanitation.

Annexure – III

List of Works undertaken under 15th FC TIED Grants under SWM Component

Sl.NO	Name of the Work	Name of ULB	Location	Project Cost	Status
1.	Procurement and Distribution of Biodegradable/Reusable Shopping/grocery bags to all households to reduce usage of plastics and create awareness on plastic waste	Tseminyu TC	Tseminyu Town	5.00	Completed
1.	Procurement of dry/Wet waste Bin for distribution to selected households for better segregation of waste at source		Tseminyu Town	5.00	
2.	Procurement and distribution of Aerobio Solution to all households for septage management		Tseminyu Town	5.00	
3.	Construction of Retaining wall at newly purchased sanitary landfill site at Tseminyu		New Sanitary Landfill Site	7.85	
4.	Construction of Culvert at newly purchased sanitary landfill site for maintenance of drainage.		New Sanitary Landfill Site	5.65	
5.	Improvement and re-enforcement of the Base and walls of Waste Disposal area in Dumpsite/Sanitary Landfill	Satakha TC	SWM Facility Site	5.00	Completed
6.	Concrete Pavement of the Approach road of the Dumpsite/Sanitary Landfill		SWM Facility Site	5.00	
7.	Construction of Sorting Centre-cum-temporary storage facility for recyclable Solid Wastes		SWM Facility Site	2.50	
8.	Installation of Twin Litter Bins in commercial areas, schools and public area		All around Satakha Town	6.00	
9.	Screening/cleaning and Monitoring of Storm Water Drains/nallahs		Satakha Town	2.30	
10.	Installation of Plastic Collection Points		In Every Ward	2.70	
11.	Procurement of Colored Waste Bins	Wokha TC	All Wards/ Selected Colonies	17.50	Completed
12.	Providing Aerobio Solution		All Wards/ Selected Colonies	17.50	
13.	Procurement of Vehicle for Garbage Collection		Wokha Town	26.10	

14.	Procurement of sanitation workers equipment and dustbins		Wokha Town	9.90	
15.	Workshops/Trainings/Seminars for Sanitation and Garbage Free		Wokha Town	1.50	
16.	Procurement/purchase of Mahindra Bolero Pick Up Extra Long FB 1.7T alongwith registration, insurance and delivery charge	Tizit TC	Tizit Town	11.37	Completed
17.	Workshop & IEC Campaign on Sanitation & Solid Waste Management		Tizit Town	3.63	
18.	Construction of Material Recovery Collection Points		In all Nine Wards	9.00	
19.	Construction of Material Recovery Facility(MRF) in Main Dump Site		SWM Facility Site	3.00	
20.	IEC Activities and Awareness campaigns in SW segregation and Management and Continuous Community engagement for behavioral changes on waste Management		Tizit Town	1.50	
21.	Procurement of Colored Waste Bins	Seyochung TC	All wards and Market place	7.50	Completed
22.	Construction of Bifurcated Waste incineration plant at STC Dumping Site		SWM Facility Site	3.00	
23.	Procurement of Site for construction of MRF Store		SWM Facility Site	5.00	
24.	Site Cutting and Protection Wall		SWM Facility Site	3.00	
25.	Construction of Approach Road, fencing and site leveling for Material Recovery Facility	Aghunato TC	SWM Facility Site	10.00	Completed
26.	Purchase of land for construction of FSTP at Shevulho Ward (Including documentation of land and setting of boundary pillar)		Sata road, Agunato Town	11.00	
27.	Construction of Boundary Wall at Dumping Site	Atoizu TC	Ward-1	7.50	Completed
28.	Construction of RCC Segregation for Waste Bins		Ward-1 (Part-A)	1.00	
29.	Construction of RCC Segregation for Waste Bins		Ward-I (Part-B)	1.00	
30.	Construction of RCC Segregation for Waste Bins		Ward-2	1.00	
31.	Construction of RCC Segregation for Waste Bins		Ward-3	1.00	
32.	Construction of RCC Segregation for Waste Bins		Ward-4	1.00	

33.	Construction of RCC Segregation for Waste Bins		Ward-5	1.00	
34.	Construction of RCC Segregation for Waste Bins		Ward-6	1.00	
35.	Construction of RCC Segregation for Waste Bins		Ward-7	1.00	
36.	Construction of RCC Segregation for Waste Bins		Ward-8	1.00	
37.	Construction of RCC Segregation for Waste Bins		Ward-9	1.00	
38.	Proposal for purchase of Dustbins (200) Nos		Atoizu Town	1.00	
39.	Storm Water Drain Along the Cement Concrete Road at DMC Dumping Site, UNB Burma Camp, Dimapur		DMC SWM Facility Site, UNB Burma Camp, Dimapur	75.00	
40.	Purchase of 3 Nos. of 1 Cum Capacity Tipper Mounted on truck Chassis	Dimapur TC	Dimapur Town	41.6	Completed
41.	Purchase of 3 Nos. of 1.5 M.T Tractor trailer with Hydraulic System		Dimapur Town	9.00	
42.	Construction of Organic Waste Composting Plant at Dumpsite		SWM Facility Site	14.00	
43.	Awareness campaign on waste management (Water & Sanitation)		Dimapur Town	5.40	
44.	Procurement of litter bins to be placed at 50-100 metres at both commercial and public areas		Longleng Town	9.90	
45.	Procurement of Wheelbarrow for waste handling and segregation	Longleng Town	0.47		
46.	IEC- Construction of I love Longleng Plaque Permanenet structure and other awareness programs and meetings	Longleng Town	5.12		
47.	Procurement of Land for MRF	Kiphire TC	New KTC SWM Facility Site	4.00	Completed
48.	Site Cutting & Retaining wall		New KTC SWM Facility Site	6.00	
49.	Construction of MRF Store		New KTC SWM Facility Site	2.50	
50.	Procurement of Colored waste Bins		Selected colonies/Commercial Public areas	10.00	
51.	Purchase of Land for extension of Dumping Site measuring 2.96 Acre		SWM Facility Site	14.00	
52.	Clearance and installation of boundary pillars of the extended dumping site		SWM Facility Site	2.50	

53.	Door to Door Collection	Kohima MC	Kohima Town	5.00	Completed
54.	Source Segregation at Source level: Sensitization of households		Kohima Town	10.00	
55.	Sweeping: procurement of protective gears as well as work equipments		Kohima Town	5.00	
56.	Litter Bins		To be placed at regular intervals in the town	2.00	
57.	Storage Bins Cover		22 Locations in the town	7.00	
58.	Beautification of Garbage vulnerable points		Kohima Town	2.00	
59.	Waste processing- Wet Waste: Awareness creation		Kohima Town	4.00	
60.	Waste Processing Capacity-Wet waste: Awareness on home composting		Kohima Town	4.00	
61.	Screening of storm water drains/nullahs		Kohima Town	3.00	
62.	Waste-Processing-Dry Waste: Awareness activities at ward level		All wards	3.00	
63.	Waste processing capacity-Dry Waste: Community segregation		Kohima Town	3.00	
64.	Grievance Redressal, Essential, penalty/spot fines by involving KSCDL and ward volunteers		Kohima Town	5.00	
65.	Signage (Littering, illegal/irresponsible dumping, throwing of garbage in drains etc)		To be placed at collection points and GVPs	2.00	
66.	Segregation at city level through awareness and public participation		Kohima Town	3.00	
67.	Plastic ban: periodical inspection and checking		Kohima Town	2.00	
68.	C&D Waste Collection		Identified locations for collection reuse in and around the town	5.00	
69.	Door to Door Collection : to Ward level committees for improving door to door collection, purchase of basic equipment & safety gear for sanitary workers		All wards	9.50	
70.	Source segregation at ward level		All wards	3.00	
71.	Sweeping –procurement of basic safety gears and work equipments for sanitary workers		All wards	4.00	

72.	Customized storage bins with cover		Kohima Town	10.00	
73.	Beautification of garbage vulnerable points		Interventions at vulnerable points in the town	10.00	
74.	Waste Processing-Wet Waste-Procurement of Green Bran and green balls for composting and septic tank management		Kohima Town	3.00	
75.	Waste Processing capacity- hands on training on composting		Kohima Town	3.50	
76.	Wet Waste Awareness and IEC on illegal dumping, Cleaning of Dzvuru and Nacharu streams		Dzvuru and Nacharu streams	4.00	
77.	Screening of storm water drains/Nullahs		Screening at vulnerable location in Kohima Town	1.00	
78.	Waste Processing: Dry waste & Waste Processing capacity –Dry Waste: -procurement and installation of glass crusher machine & Construction of pit with outlet for glass bottles		Kohima Town	5.00	
79.	Segregation at city level: IEC & Signage		Kohima Town	5.00	
80.	Plastic Ban: IEC Materials, periodical inspection/checking		Kohima Town	2.00	
81.	Purchase of 1 Nos. of Mini Tipper Truck (SK610) for garbage disposal		Mokokchung MC	Mokokchung Town	
82.	Wet waste composting structure at 4 wards	Mokokchung Town		1.00	
83.	Purchase of Bitumin drums for wet waste composting at Alempang	Alempang		1.50	
84.	Purchase of Green Bran	Mokokchung Town		2.50	
85.	Purchase of 833 Nos. of dustbins to be placed in selected location of the town	Selected locations of the town		12.00	
86.	Purchase of one truck LPK 912/5 cum tipper BS VI	Mokokchung Town		25.00	
87.	Purchase of Bio Culture	MMC SWM Facility Site		4.00	
88.	Procurement of Tipper Truck with hydraulic along with registration and insurance	Mon TC	Mon Town	19.00	Completed
89.	Procurement of colored waste bins for commercial areas along with transportation cost		In all commercial areas of Mon town	4.00	

90.	Construction of metal stands for the bins in selected locations along the town/roadside		Mon Town	2.00	
91.	Construction of Wet Compost pit for management and processing of wet waste in all even wards		In all eleven wards	18.70	
92.	Purchase of tools (Bucket, hoe, rack, gloves,etc.)including transportation charges		Mon Town	2.50	
93.	Purchase of 565 nos. of Aerobio		Mon Town	10.30	
94.	IEC Activities		Mon Town	5.00	
95.	Procurement of colored litter bins		Noklak Town	5.00	
96.	Construction of garage for sanitation vehicles cum store for equipment		i.main bazaar area ii. Danglepdong ward	3.00	
97.	Procurement of Aerobio		Noklak Town	2.00	
98.	Purchase of Land for MRF cum FSTP		Near Existing MRF Site	2.50	
99.	Construction of retaining wall at MRF site		MRF Site	5.50	
100	Construction of Shed/Store at MRF Site	Noklak TC	MRF Site	5.50	Completed
101	IEC on Waste segregation/Waste management in all wards		In all Wards	2.00	
102	Procurement of Kit and equipment for sanitation workers		Noklak Town	1.00	
103	Installation of waste/plastic bins at important locations, schools, offices etc		Across Noklak Town	1.00	
104	Construction of Approach road and site leveling at MRF Site		MRF Site	3.50	
105	Construction of Protection Wall		PTC SWM Facility Site	12.50	
106	Construction of Store room at the MRF Facility	Phek TC	MRF Facility site Phek Town	10.00	Completed
107	Construction of garbage collection point (metal structure)		Kaiha ward	1.00	
108	Construction of garbage collection point (metal structure)		Hahnyan ward	1.00	
109	Construction of garbage collection point (metal structure)		Mansham ward	1.00	
110	Construction of garbage collection point (metal structure)	Aboi TC	Pinkhong ward	1.00	Completed
111	Construction of garbage collection point (metal structure)		Yuongkim ward	1.00	
112	Construction of garbage collection point (metal structure)		Anglong ward	1.00	
113	Construction of garbage collection point (metal structure)		Koiwang ward	1.00	

114	Construction of garbage collection point (metal structure)		GA Rest House	1.00	
115	Purchase of pick-up truck for collection of garbage		Aboi Town	11.00	
116	Purchase of colour coded waste bins		Aboi Town	2.50	
117	Construction of MRF	Changtongya TC	Waste management site, Changtongya Town	17.50	Completed
118	Construction of brick boundary wall		CTC SWM Facility Site Changtongya Town	13.50	
119	Construction of waste segregation shed, procurement of litter bins	Chiephobozou TC	SWM Facility Site Chiephobozou Town	7.50	Completed
120	Construction of protection/retaining wall		SWM Facility Site Chiephobozou Town	5.00	
121	Construction of boundary fencing		SWM Facility Site Chiephobozou Town	3.00	
122	Construction of drainage		SWM Facility Site Chiephobozou Town	3.00	
123	Maintenance of CTC dumping site	Chumoukedima TC	CTC SWM Facility Site	13.70	Completed
124	Procurement of litter bins	East Dimapur TC	East Dimapur	6.00	Completed
125	Segregation of waste at source – to provide 2 (two) dustbins to 2000 HHs		East Dimapur	10.00	
126	Seminars and awareness campaign		East Dimapur	4.00	
127	Segregation of waste at source – to provide 2 (two) dustbins to 800 HHs		East Dimapur	4.00	
128	Seminars and awareness campaign		East Dimapur	2.50	
129	Purchase of vehicle for waste management		East Dimapur	10.00	
130	CRSM retaining wall at landfill site	Longkhim TC	SWM Facility Site Longkhim Town	10.00	Completed
131	Construction of retaining wall at new landfill site		SWM Facility Site Longkhim Town	11.00	
132	Procurement of green and blue dustbins	Mediphema TC	Medziphema Town	10.00	Completed
133	Construction of compost pit for wet waste	Niuland TC	SWM Facility Site Niuland Town	3.50	Completed
134	Procurement of plastic collection iron bins		Market area and all the wards, Niuland Town	2.00	
135	Procurement of shovels, hand gloves, rubber boots, protective hats and masks for sanitation workers		Niuland Town	0.50	

136	IEC for segregation of waste at source		Niuland Town	1.50	
137	Procurement of iron bins for plastic collection		Niuland Town	5.00	
138	IEC on waste segregation at various wards		Niuland Town	2.00	
139	Construction of MRF		SWM Facility Site Niuland Town	4.00	
140	Biomedical waste facility	Pfutsero TC	PTC SWM Facility Site Pfutsero Town	3.50	Completed
141	Construction of home composting pit		a. Baptist Theological College hostel b. Nazareth School hostel c. NAP C'Coy HQ d. DEF (Police) HQ e. TMTTHSS Hostel	6.00	
142	Construction of community compost pit		a. DIET, Pfutsero b. Pfutsero Govt. College	3.00	
143	IEC campaign		Pfutsero Town	3.89	
144	Procurement of coloured dustbins		Pfutsero Town	5.61	
145	Construction of approach road		PTC SWM Facility Site	6.00	
146	Development of disposal/ waste management site	Pungro TC	PTC SWM Facility Site	2.50	Completed
147	Construction of waste segregation structure/ MRF		PTC SWM Facility Site	4.00	
148	Construction of boundary wall (Phase 1)		SWM Facility Site, Pungro Town	9.52	
149	Purchase of waste bins		Pungro Town	1.48	
150	Construction of boundary wall	Shamator TC	SWM Facility Site	3.00	Completed
151	Construction of approach road		SWM Facility Site	3.00	
152	Construction of 2 culverts on the road leading to SWM site		SWM Facility Site	4.00	
153	Metaling and soiling of road leading to SWM site		SWM Facility Site	1.00	
154	Construction/repair of boundary wall		SWM Facility Site	7.00	
155	Construction of waste collection points for 11 wards		Shamator Town	5.50	
156	IEC campaign on waste segregation at source, SWM, compost pit at household level		Tamlu TC	Tamlu Town	
157	Purchase of sanitary landfill site	Tening TC	Tening Town	10.00	Completed
158	IEC on SWM		Tening Town	2.20	
159	Procurement and installation of collection iron bins		Tening Town	3.00	

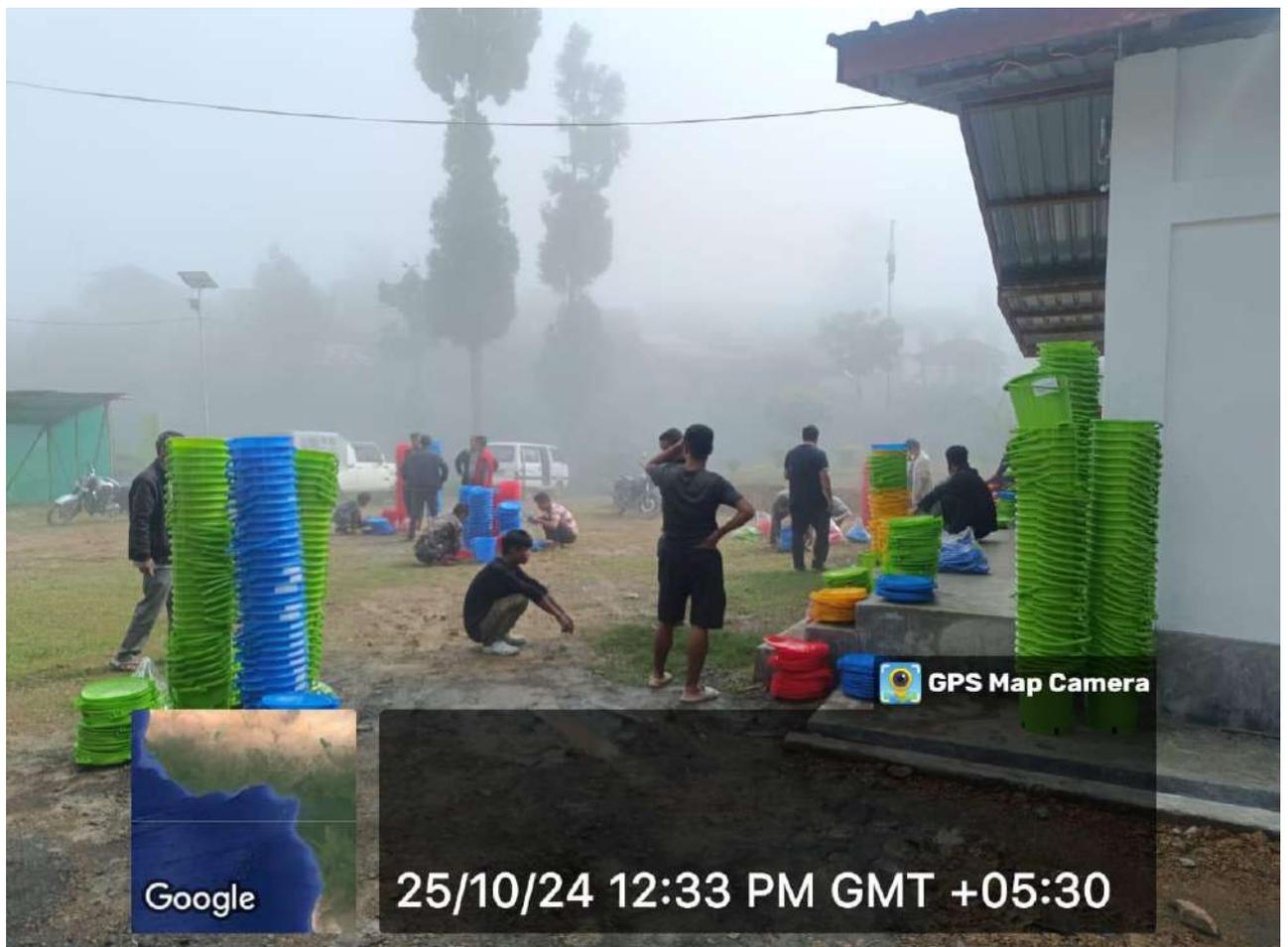
160	Procurement and installation of waste collection bins (wet and dry)		Tening Town	2.00	
161	Procurement of shovels, hand gloves, rubber boots, protective hats, vest, masks		Tening Town	0.30	
162	Construction of waste collection centres for temporary waste collection	Tobu TC	Ward 1, 4 & 7, Tobu Town	2.30	Completed
163	Construction of boundary wall cum protection wall		SWM Facility Site	8.00	
164	Soiling of approach road to waste treatment site		SWM Facility Site	2.20	
165	IEC campaign for source segregation at ward level		Tobu Town	4.00	
166	Extension and site development of sanitary landfill (CC structure)		SWM Facility Site, Tobu Town	4.50	
167	Purchase of waste bins		Tobu Town	3.00	
168	Construction of community composting pit (CC structure)		ADC ward, Tobu Town	2.00	
169	Procurment of colored bins		Tuensang TC	All the wards	
170	Hands on training, IEC on waste to compost system model	All the wards		10.00	
171	Construction of small scale compost pit	All the wards		22.50	
172	Road formation cutting of approach road, soiling and site levelling	Zunheboto TC	FSTP site, Shothomi, Zunheboto Town	25.00	Completed
173	Awareness programme on waste management at ward level		Zunheboto Town	1.00	
174	Purchase of PPE kits for sanitation workers		Zunheboto Town	0.46	
175	Construction of Retaining Wall at SWM site	Jalukie TC	Veterinary Ward	04.00	Completed
176	Construction of Half RCC R Barbed wire fencing at SWM Site		SWM Facility Site Jalukie TC	04.50	
177	Construction of Waiting Shed for sanitation workers at SWM site		SWM Facility Site Jalukie TC	05.00	
178	Site levelling and construction of ramp for tipper truck and boundary fencing at landfill site	Chozhuba TC	Chozuba SWM Facility Site	06.00	Completed
179	Expansion of SWM Site		Adjoining Chozuba SWM Facility Site	04.00	
180	Training on waste segregation in all 9 wards			06.01	
181	Expansion of existing SWM Site			04.99	
182	Procurement of colored waste bins	Naginimora TC	All Wards	17.50	Completed
183	Provision of AEROBIO Solution		All Wards		

184	Purchase of new SWM Site and fencing in the site		SWM Facility Site Naginimora TC	13.50	
185	Development of SWM Site (site levelling, fencing)	Peren TC	SWM Facility Site Jalukie TC	12.50	Completed
186	Development of SWM site (Construction of MRF, incinerator, RWH Structure)		SWM Facility Site Peren TC	13.50	
187	BCC n IEC on Source Segregation	Tuli TC	Tuli TC	02.50	Completed
188	Construction , repair, renovation of Landfill Site		SWM Facility Site Tuli TC	06.50	
189	Construction of Shed for storage of recovered waste		SWM Facility Site Tuli TC	04.00	
190	Construction of Community Composting Pit at 4 Locations		Tuli TC	04.50	
191	BCC n IEC on Source Segregation		Tuliyong Ward	03.00	
192	Extension and site development of SWM Site		SWM Facility Site	03.62	
193	Construction of Community Compost Pits at two locations	Ardokmang Ward Longlilenden ward	04.00		
194	Site development at SWM facility Site	Bhandari TC	Bhandari Village	13.50	Completed
195	Construction of Community Composting Pit		1 each in 9 wards	10.35	
196	Construction of steel fabricated waste container (51 nos)		Strategic locations	04.65	
197	Construction of designated Reduce, Reuse & Recycle (RRR)	Meluri TC	Meluri Town	12.50	Completed
198	Intensive hands on training on waste segregation at source and SWM & IEC Campaign		Meluri Town	9.50	
199	Construction of line side drain from CHC junction towards traffic point SWM CHC Junction		CHC junction towards traffic point	4.00	
200	Procurement of Waste Bins for D2D Collection	Mangkolemba TC	All Wards	3.40	Completed
201	Customization of Waste Disposal Vehicle by portioning for segregated Waste & Site Development of SWM Facility Site		Mangkolemba	6.45	
202	Procurement of Bacteria – Green Bran for composting.1.50		Mangkolemba	1.50	
203	Setting up of MRF Shed		SWM Facility Site, Mangkolemba	11.00	
204				1281.62	

Works undertaken under 15th FC TIED GRANT



IEC activities on source segregation of solid waste, Tobu



Distribution of wastebins to all the wards



Construction of community composting pit, Tobu



Construction of drainage, Tamlu Town



Construction of RCC drains at DMC dumping site, UNB, Burma Camp, Dimapur



Development of Faecal Sludge Treatment Plant at Solid Waste Management site, Chumoukedima



Procurement of specially designed garbage truck with compartments, Mokokchung



Locally made wet waste shredding machine, Mokokchung



Compost pit, Wokha



Reduce Reuse Recycle kiosk, Dimapur



Material Recovery Facility, Dimapur

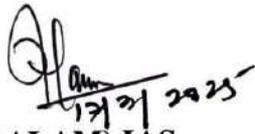
**GOVERNMENT OF NAGALAND
OFFICE OF THE CHIEF SECRETARY
NAGALAND :: KOHIMA**

NO.CSO/NGT/2019/

dated 17th March 2025

ORDER

In compliance with the order of the Hon'ble NGT dated 24.11.2022 in Original Application No.606/2018 regarding Compliance of Municipal Solid Waste Management Rules, 2016 and other environmental issues, the Program Management Unit in the Chief Secretary's office is designated to function as the dedicated cell within the office of the Chief Secretary. The cell will liaise with the concerned line departments of the State Government on issues of Solid Waste Management and Sewage Management.


(Dr. J ALAM) IAS
Chief Secretary

NO.CSO/NGT/2019/

dated 17th March 2025

Copy to:

1. The Commissioner Secretary to the Chief Minister
2. The Principal Secretary, Environment, Forest & Climate Change
3. The Principal Secretary, PHED
4. The Commissioner & Seretary, Urban Development & Municipal Affairs
5. The Commissioner & Seretary, Rural Development
6. The Chairman, Nagaland Pollution Control Board


(Dr. J ALAM) IAS
Chief Secretary

			ANNEXURE VIA
ULB	LEGACY WASTE REMEDIATION	Project cost ₹ Cr	Remarks
Dimapur	From March 2022 till date ULB intervention on Legacy Waste remediation at Sunrise Colony Dimapur is a continuous process. As per the quantification survey conducted under SBM-2.0 on 20th July 2024 from the estimated 460,000 MT of Legacy waste, DMC has remediated 333,567 MT of the Legacy waste.	0.2	ULB initiative
	The remaining 126,433 MT is under remediation through SBM-U 2.0 The work is expected to be completed by July 2026.	8.8	SBM-U 2.0 Mission
Kohima	ULB Level intervention for Legacy Waste Remediation at Dzuruzou was conducted by KMC during November 2022 to January 2023. As per the quantification assessment survey conducted under SBM-U from 20th March to 18th Aug 2023, the Legacy Waste at site is 40253 MT. Out of an estimated volume of 150,000 MT the volume has reduced by 109747 MT at Dzuruzou.	0.05	The drastic reduction in volume was also contributed by the 2018 Landslide thereby actual remediated volume cannot be determined.
	Remediation of remaining 40253 MT is in progress through SBM-U 2.0. and expected to be completed by 31st Dec 2025	2.22	SBM-U 2.0 Mission
Chumukedima	Remediation work of Legacy Waste is initiated for an estimated volume of 22849 MT under SBM-U 2.0. The expected date of completion is 31st Dec. 2025.	1.26	SBM-U 2.0 Mission
Mokokchung (MC)	An estimated volume of 12338 MT Legacy Waste was estimated at Mokokchung is under SBM-U 2.0 proposal for	0.68	As per the SBM-U quantification and characterization by the ULBs is in progress
Tuensang (TC)	An estimated volume of 66456 MT Legacy waste at Tuensang is under SBM-U 2.0 Proposal for remediation	3.65	
Wokha (TC)	An estimated volume of 5940 MT Legacy waste at Wokha is under SBM-U 2.0 proposal for remediation	3.27	
Mon (TC)	An estimated volume of 50000 MT Legacy waste at Mon is under SBM-U 2.0 proposal for remediation	2.75	
Zunheboto (TC)	An estimated volume of 13000 MT Legacy waste at Zunheboto is under SBM-U 2.0 proposal for remediation	0.72	
Kiphire (TC)	An estimated volume of 10000 MT Legacy waste at Kiphire is under SBM-U 2.0 proposal for remediation	0.55	
Phek (TC)	An estimated volume of 11000 MT Legacy waste at Phek is under SBM-U 2.0 proposal for remediation	0.60	
Pfutsero (TC)	An estimated volume of 6000 MT Legacy waste at Pfutsero is under SBM-U 2.0 proposal for remediation	0.33	
Peren (TC)	An estimated volume of 10000 MT Legacy waste at Peren is under SBM-U 2.0 proposal for remediation	0.55	
Total		25.63	

ANNEXURE VI B

S. No.	Name of ULB	Legacy Waste site	Area covered by Legacy Waste in Acre	Quantity of waste accumulated in Lakh MT	Action Plan to remediate and reclaim the site	Process adopted to remediate at each site	Timeline set to process at each site	Final Destination of the components	Status as on March 2025		Remarks		
									Total quantity of waste remaining MT	Area covered by Legacy Waste in			
1	Dimapur MC	Burma Camp	19.86	460000	ULB Bioculture Remediation initiative. SBM-U CSAP Bioremediation	Semi machenised	May-26	Recycling / Reuse and inerts deposit to Sanitary Landfill	161110	15	Work order issued		
2	Kohima MC	Dzuruzou	93.94	150000	ULB bioculture soil stabilization initiatives SBM-U CSAP Bioremediation		Nov 2025		40253	1.5	Total LW covered area is 1.5 Acre only and not as declared by KMC. Remediation in progress		
3	Tuensang (TC)	Ward 12	0.42	66456	Bio-remediation under SBM-U CSAP		Oct 2026		66456	0.42	Proposal for remediation under SBM-U 2.0		
4	Mokokchung (MC)	Tng Road	1.03	12338	ULB bioculture soil stabilization initiatives SBM-U CSAP Bioremediation	Manual	Oct 2026	Recycling / Reuse and inerts to be deposit to Sanitary Landfill	0	0	Remediation manually conducted through ULB initiatives using composting method and recycling.		
5	Wokha (TC)	Tsupioe	9	5940	SBM-U CSAP Bioremediation	Semi machenised	Oct 2026		5940	9	Proposal for remediation under SBM-U 2.0		
6	Mon (TC)		2	50000			Oct 2026		50000	2			
7	Chumukedima (TC)	Vidima	9.3	22849			Nov 2025		22849	2.74	Work order issued		
8	Zunheboto (TC)	Asukhomi	1.5	13000			Oct 2026		13000	1.5	Proposal for remediation under SBM-U 2.0		
9	Kiphire (TC)		3.5	10000			Oct 2026		10000	3.5			
10	Phek (TC)	Sub-Jail	2	11000			Oct 2026		11000	2			
11	Pfutsero (TC)		1.5	6000			Oct 2026		6000	1.5			
12	Peren (TC)	Bana Ward	1.1	10000			Oct 2026		10000	1.1			
Total=			145.15	817583							396608	40.26	

NOTE: Out of 39 total ULBs in the state only 12 ULBs' Landfill sites are 10 Years and above. The remaining 27 ULBs Waste sites falls within fresh waste category.

Legacy Waste Dimapur as on survey date 20th JULY 2024 through SBM-U

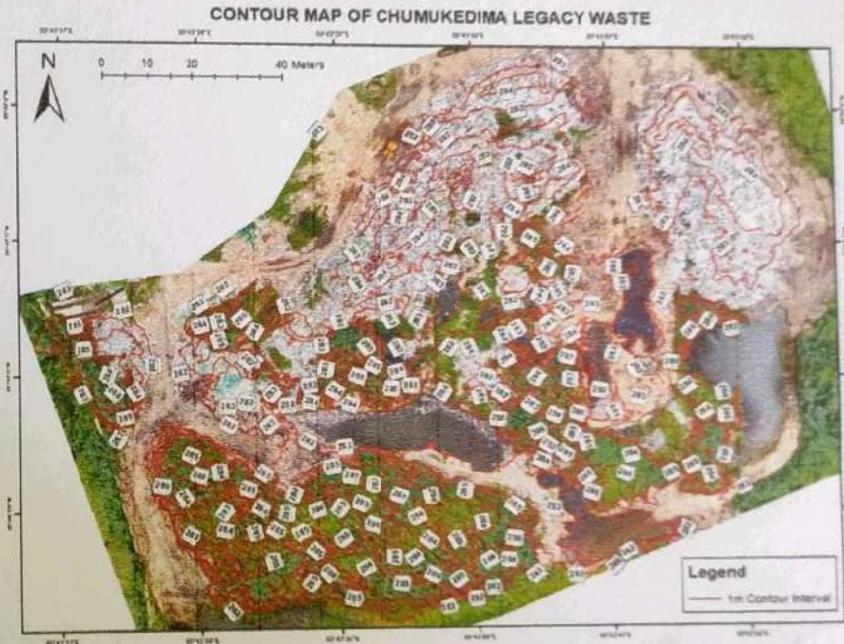


Drone View Image of Dimapur legacy waste.

Contour map of Dimapur legacy waste.

Area (sq. m)	Volume (MT)
1120.4	1,26,433 MT
61100.5	

Legacy Waste Chumoukedima as on survey date 11th JULY 2024 :SBM-U



Drone View Image of Chumoukedima legacy waste.

Contour map of Chumoukedima legacy waste.

Perimeter (m)	Area (m2)	Volume (MT)
924.138	11080.6	10,721 MT

Legacy Waste Kohima site as on survey date 20th March 2024 : SBM-U



Drone View Image of Kohima legacy waste.



Contour map of Kohima legacy waste.
Kohima legacy waste Total Volume = 40,253 MT

NAGALAND STATE USED WATER TREATMENT

ANNEXURE VII

1	Used Water Management	STP & FSTP		Project cost ₹ in Cr	Remarks
		Urban Sewage Generation	Rural Sewage generation		
		13.22 MLD	39.41		
		Total = 52.63			
a	Out of 1280 recognised villages and 39 ULBs a total of 25 MLD SPT is existing at Dimapur and 10 MLD I&D is under tender stage at Kohima for treatment of Sewage/ Grey water.			64	AMRUT Mission
b	150 KLD FSTP in DPR stage for Dimapur			20	AMRUT Mission
d	13 FSTPs for total capacity of 210 KLD is under construction in 13 ULBs			614.7	Under PHED NRCP Programme
e	Proposal of 5 MLD STP for Mokokchung is under technical validation of the Ministry (CPHEEO) under SBM-U 2.0			2	Under SBM-U 2.0
f	6 KLD FSTP Projects for 2 ULB is under SBM-U is in tendering stage (Detail enclosed at ANNEXURE IV B)			1.3	Under SBM-U 2.0
g	75 KLD FSTP under EAP projects for Wokha Town Council is in DPR stage			13.55	State Programme
h	22 ULBs Proposal for FSTP is under DPR preparation stage			112.7	Under SBM-U 2.0
i	A gap of 9.41 MLD Grey water treatment is under feasibility study for cluster				
Total =				828	

*Details enclosed

B. LIQUID WASTE MANAGEMENT AS ON 31ST DECEMBER 2024

ANNEXURE VII

SN.	Sevage Generation (MLD)	Name of the Project/Scheme	Agency/Department	Existing STP Capacity in MLD	STP/FSTP under Construction	Gap in treatment at Present(MLD)	Project cost ₹ in Cr.	Remarks
1	1.12	Dimapur FSTP	ULB/UDD AMRUT	25.43 MLD	150 KLD	1.12	20	Project in DPR stage under AMRUT
2	2.69	I&D Kohima	ULB/UDD AMRUT	90 KLD FSTP	10 MLD	1.69	64	Project tendered under AMRUT
3	0.92	Mokokchung STP	UDD SBM	0	4 MLD	0.92	2	Project in DPR stage under SBM-U
4	0.90	Wokha	UDD EAP	0	75 KLD	0.90	13.55	Project in DPR Stage under EAP
5	0.67	Mon	UDD EAP	0		0.67		Project feasibility ongoing under EAP
6	B	Tuensang FSTP	PHED	0	50 KLD	0.94		Work Order issued for FSTP.
7	0.66	Chumoukedima FSTP	PHED	0	50 KLD	0.66		Work Order issued for FSTP.
8	0.58	Zunheboto FSTP	PHED	0	10 KLD	0.58		Work Order issued for FSTP.
9	0.42	Kiphire FSTP	PHED	0	10 KLD	0.42		Work Order issued for FSTP.
10	0.27	Pfutsero FSTP	PHED	0	10 KLD	0.27		Work Order issued for FSTP.
11	0.22	Medziphema FSTP	PHED	0	10 KLD	0.22		Work Order issued for FSTP.
12	0.22	Jalukie FSTP	PHED	0	10 KLD	0.22		Work Order issued for FSTP.
13	0.20	Tuli FSTP	PHED	0	10 KLD	0.20		Work Order issued for FSTP.
14	0.20	Noklak FSTP	PHED	0	10 KLD	0.20		Work Order issued for FSTP.
15	0.17	Aboi FSTP	PHED	0	10 KLD	0.17		Work Order issued for FSTP.
16	0.17	Bhandari FSTP	PHED	0	10 KLD	0.17		Work Order issued for FSTP.
17	0.06	Longkhim FSTP	PHED	0	10 KLD	0.06		Work Order issued for FSTP.
18	0.06	Atoizu FSTP	PHED	0	10 KLD	0.06		Work Order issued for FSTP.
19	0.05	Chiephobozou FSTP	PHED	0	10 KLD	0.05		Work Order issued for FSTP.
21	0.16	Tsemnyu FSTP	UDD SBM	0	6 KLD	0.16		Tendering stage under SBM-U
22	0.19	Longleng FSTP	UDD SBM	0	6 KLD	0.19		Tendering stage under SBM-U
20	0.21	Naginimora FSTP	UDD SBM	0	6 KLD	0.21		FSTP DPR Stage under SBM-U
23	0.36	Phek STP	UDD SBM	0	2 MLD	0.36		STP - SBM-U. DPR Stage
24	0.19	Changtongya FSTP	UDD SBM	0	6 KLD	0.19		FSTP DPR Stage under SBM-U
25	0.13	Peren FSTP	UDD SBM	0	6 KLD	0.13		FSTP DPR Stage under SBM-U
26	0.28	East Dimapur FSTP	UDD SBM	0	6 KLD	0.28		FSTP DPR Stage under SBM-U
27	0.16	Tizit FSTP	UDD SBM	0	6 KLD	0.16		FSTP DPR Stage under SBM-U

28	0.13	Meluri FSTP	UDD SBM	0	6 KLD	0.13	112	FSTP DPR Stage under SBM-U
29	0.13	Tobu FSTP	UDD SBM	0	6 KLD	0.13		FSTP DPR Stage under SBM-U
30	0.13	Sathaka FSTP	UDD SBM	0	6 KLD	0.13		FSTP DPR Stage under SBM-U
31	0.12	Pungro FSTP	UDD SBM	0	6 KLD	0.12		FSTP DPR Stage under SBM-U
32	0.11	Shamator FSTP	UDD SBM	0	6 KLD	0.11		FSTP DPR Stage under SBM-U
33	0.10	Mangkolemba FSTP	UDD SBM	0	6 KLD	0.10		FSTP DPR Stage under SBM-U
34	0.09	Chozuba FSTP	UDD SBM	0	6 KLD	0.09		FSTP DPR Stage under SBM-U
35	0.07	Aghunato FSTP	UDD SBM	0	6 KLD	0.07		FSTP DPR Stage under SBM-U
36	0.06	Tening FSTP	UDD SBM	0	6 KLD	0.06		FSTP DPR Stage under SBM-U
37	0.04	Tamlu FSTP	UDD SBM	0	6 KLD	0.04		FSTP DPR Stage under SBM-U
38	0.03	Niuland FSTP	UDD SBM	0	6 KLD	0.03	FSTP DPR Stage under SBM-U	
39	0.02	Seyochung FSTP	UDD SBM	0	6 KLD	0.02	FSTP DPR Stage under SBM-U	
Total	12.28			25.43			828	

*The gap shall be addressed once the proposal for cluster treatment for grey water is implemented under SBM-U 2.0

ANNEXURE - VIII

**GOVERNMENT OF NAGALAND
OFFICE OF THE CHIEF ENGINEER, PHED
NAGALAND : KOHIMA**

NO.CE/PHE/NGT-2019/2019-20(PT-II)/ 48

Dated Kohima the, 28th March 2025

To,

**The Principal Secretary to the Govt. of Nagaland,
Public Health Engineering Department,
Kohima, Nagaland.**

**Sub: Submission of Action taken report regarding observation enumerated by CMC
(Central Monitoring Committee), NGT in r/o the State of Nagaland.**

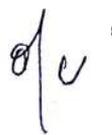
Sir,

Reference to the letter No.DMA/NGT O.A-673/T-373/2023/938 on the subject cited above, I have the honour to submit herewith the matters pertaining to NGT OA 'Polluted River Stretches' which require reducing gap between total sewage generation and total sewage treated by way of construction/improving waste Management Project such as Solid waste management, Grey water Management, Plastic waste Management , Faecal Sludge Treatment Plant and Sewage Treatment Plant.

This is for favour of your kind information and necessary action

Enclosed: As stated.

Yours faithfully,



(Er. GWATILO TEP)
Mission Director, SBM (G)
Office of the Chief Engineer, PHED
Nagaland: Kohima

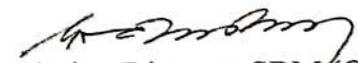
Solid Waste Management under SBM (G)						
SI No	Year	Total Villages	Villages having SWM arrangements		Assets allotted	Fund(in Lakh)
			Villages	Percentage		
1	2021-22	1451	91	6	91	99.840
2	2022-23	1425	434	30	230	265.200
3	2023-24	1425	445	31	742	783.276
4	2024-25	1425	602	42	298	370.910
Total						1519.226

Grey Water Management under SBM (G)						
SI No	Year	Total Villages	Villages having GWM arrangements		Assets allotted	Fund(in Lakh)
			Villages	Percentage		
1	2021-22	1451	128	9	128	286.362
2	2022-23	1425	394	28	266	679.210
3	2023-24	1425	517	36	606	970.180
4	2024-25	1425	870	61	301	707.430
Total						2643.182

Plastic Waste Management Unit under SBM(G)						
SI No	Year	Total Blocks	Blocks having PWMU		Assets allotted	Fund(in Lakh)
			Block	Percentage		
1	2023-24	74	8	11	12	192.00
2	2024-25	74	31	42	3	48.00
Total						240.00

Faecal sludge Treatment Plant Under NRCP						
SI No.	Year Of Sanction	Nof of ULBs in Phase-I	Capacity	Fund released (in Lakhs)	Amount sanctioned for the project (in Lakhs)	Remarks
1	2023-24	13	210KLD	1536.67	6147.00	Land Acquired and Approach Road and site Developemnt works are in progress

Pollution Abatment of River Diphu and Dhansari under NRCP					
SI No.	Sanction amount (In Lakh)	Location	Capacity	Capacity being utilised	Remarks
1	7865.00	Dimapur	25.43 MLD	12.36 MLD	Grey water from individual houses were not approved in the project. Capacity of 12.36 MLD only was approved. Terminal installment of 79.00 Lakhs is pending to be received


 Mission Director, SBM(G)
 Office of the Chief Engineer, PHED
 Nagaland: Kohima

Agenda 43/3 Acquisition of land measuring a total area of 5.826 acres at Sanuoru, Dzuvuru and Khulazie for I & D Projects in Kohima under AMRUT 2.0

The SLAA agreed for the acquisition of land measuring an area of 5.826 acres at Sanuoru, Dzuvuru and Khulazie for I & D Projects in Kohima under Amrut 2.0 amounting to Rs. 2, 47, 13, 580 /- (Rupees two crores forty seven lakh thirteen thousand five hundred and eighty) only @ Rs. 95 /- per sq.ft.

The proposal has been approved excluding administrative cost of 2.5 %.

The land is stated to belong to seven (7) landowners the details of which are given below as:

S.No	Landowner	Area (sq.m/sq.ft)	Location	Land rate	Amount (In Rs)
1	NEISAKUO LINYU	5440/58553	Sanuoru	Rs 95 /- per sq.ft	55, 62, 535/-
2	ATSO KIRE	2500/26910	Dzuvuru		25, 56, 450/-
3	DR. SADIKUOLIE	2900/31215	Dzuvuru		29, 65, 425/-
4	DZIESETUO SUOKHRIE	7705/82936	Dzuzie		78, 78, 920/-
5	KEXHRIESETUO SACHU	1507/16221	Khulazie		15, 40, 995/-
6	KIKRULHOUBIE KIRE	1793/19299	Khulazie		18, 33, 405/-
7	RUOKUOVU KIRE	1734/18664	Khulazie		17, 73, 080/-
				Total	2, 41, 10, 810 /-
				Administrative cost @ 2.5%	6, 02, 770 /-
				Grand Total	2, 47, 13, 580 /-

(Rupees Two crore forty seven lakh thirteen thousand five hundred eighty) only

Action: Deputy Commissioner Kohima, Urban Development Department, Land Revenue Department.

Agenda 43/4 Land Compensation related to Constructions of New ADC Office and NAP Company Post at Akuluto/Lumithsami.

The SLAA agreed for the land compensations in respect of the sites for the construction of the new ADC Office Complex and NAP Company Post at Akuluto Town and Lumithsami Village respectively, amounting to Rs 75,68,350/- (Seventy Five Lakhs Sixty Eight thousand Three Hundred and Fifty) Only. The detailed break-up of the cost is given below:

S.No	Project	Area In Sq ft	Cost/Sq Ft (In Rs)	Cost (In Rs)
1.	New ADC Office Complex, Akuluto.	46,823	50/-	23,41,150/-
2.	NAP Company Post, Lumithsami Village.	2,61,360	20/-	52,27,200/-
			Total	75,68,350/-

(Rupees Seventy-Five Lakhs Sixty-Eight Thousand Three Hundred and Fifty) Only.

Action: Deputy Commissioner Zunheboto, Home Department, Land Revenue Department.

2024

2.47 cr

ANNEXURE - III

**ACQUISITION OF LAND FOR SETTING UP OF WASTE MANAGEMENT SITE/
LANDFILL FOR DIMAPUR MUNICIPAL COUNCIL AT DOBAGAON VILLAGE,
DIMAPUR.**

1. The 41st State Land Acquisition Authority meeting held on 8th November, 2023 at 11:00 AM in the Secretariat Office Chamber of the Hon'ble Chief Minister, Nagaland decided to acquire land to shift the Sunrise Colony Landfill, Burma Camp to a new location for the purpose of dumping wastes for DMC.
2. As per the decision, land measuring an area of 10.74 acres at Dobagaon village for setting up of Waste Management Site/ Landfill for Dimapur Municipal Council has already been acquired by payment of ₹ 8,76,06,604.80/- (Rupees Eight Crores Seventy Six Lakhs Six Thousand Six hundred four) only .
3. This acquisition of the land was done in compliance to NGT OA 606/2018. dated 24/11/2022.

**ACQUISITION OF LAND FOR SETTING UP OF WASTE MANAGEMENT SITE/
LANDFILL FOR EAST DIMAPUR TOWN COUNCIL AT DOBAGAON VILLAGE,
DIMAPUR.**

1. The 41st State Land Acquisition Authority meeting held on 8th November, 2023 at 11:00 AM in the Secretariat Office Chamber of the Hon'ble Chief Minister, Nagaland decided to acquire land to for the purpose of dumping wastes for EDTC keeping in view with the NGT direction which was given to the State Government.
2. As per the decision, land measuring an area of 9.41 acres at Dobagaon village for setting up of Waste Management Site/ Landfill for East Dimapur Town Council has already been acquired by payment of ₹ 7,67,33,092.80/- (Rupees Seven Crores Sixty Seven Lakh Thirty Three Thousand Ninety Two) only



स्वच्छ सर्वेक्षण
#SwachhSarvekshan2024



HUMAN MATRIX
SECURITY

ANNEXURE - X
ZUB ZUB
INDIA

25th HORNBILL FESTIVAL

A Celebration of Culture and Sustainability

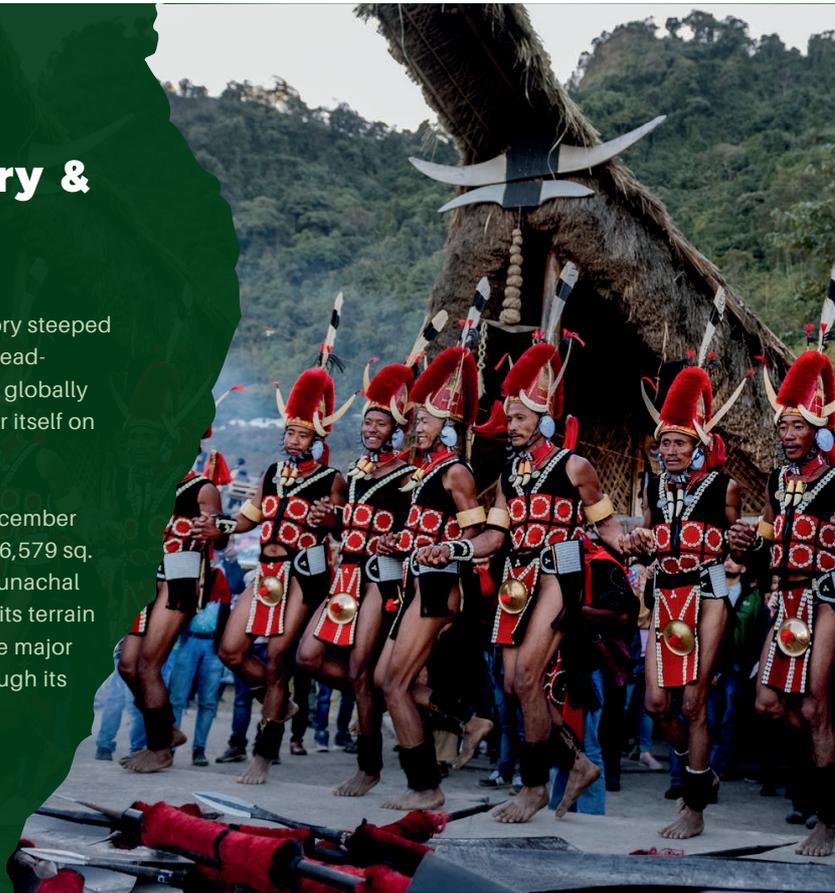
India's biggest SUP Free & Zero Waste Event



Nagaland : A Land of Mystery & Splendor

A land of vibrant cultures, breathtaking landscapes, and a rich history steeped in mystery, Nagaland is home to dancers, warriors, and legendary head-hunters. From its enigmatic past to its emergence as the host of the globally renowned Hornbill Festival, Nagaland has carved a unique place for itself on the world's tourist map.

Nagaland became the sixteenth state of the Indian Union on 1st December 1963, with Kohima as its capital. Spanning a geographical area of 16,579 sq. km, it is bordered by Assam to the north and west, Myanmar and Arunachal Pradesh to the east, and Manipur to the south. Predominantly hilly, its terrain is dominated by Saramati Peak (3,841m) in the Kiphire district, while major rivers like Dhansiri, Doyang, Dikhu, Milak, Tizu, and Zungki cut through its rugged landscape.



With a near-perfect climate, summers average below 31°C, and winters rarely drop below 4°C, making Nagaland a perpetual holiday destination. The best months to visit are October to May, when the landscape comes alive with vibrant rhododendrons and orchids that adorn its challenging yet picturesque terrain.

Traditionally hunters, the Naga people have embraced conservation, leading to sightings of endangered species like the Blyth's Tragopan (*Tragopan blythii*). A successful 2012 campaign against the mass trapping of Amur falcons (*Falco amurensis*) saved thousands of migratory birds and underscored Nagaland's commitment to protecting its rich biodiversity.

The iconic Hornbill Festival, celebrated from 1st to 10th December, showcases the cultural brilliance of Nagaland. Held in Kisama village, it has become a global attraction, offering visitors an immersive experience of Naga traditions, tourism, and industry. Organized by the Government of Nagaland, this event exemplifies the state's vibrancy and hospitality, welcoming the world to witness its splendor.





A Dash of Colour : People, Life and Culture

With a population of only about 1.9 million, Nagaland may seem small compared to the vast Indian peninsula, but its people are an extraordinary mosaic of 17 major tribes, each embodying a distinct cultural system. With a population density of 120 persons per sq. km, one major or minor tribe typically dominates across each of the 17 administrative districts, offering a rich tapestry of traditions and customs.

Spirits, fertility, social bonding, and purification are the essence of Naga festivals. Every tribe's customs are expressed through vibrant festivals, making these traditional events deeply engaging and unique. Rooted in the rhythm of rural life, these festivals are annual occurrences with fixed dates, drawing people together to celebrate their heritage. December is particularly special, as it marks the Hornbill Festival - a grand confluence of Naga culture and tradition.





This year, the Hornbill Festival is not just a celebration of Nagaland's rich cultural heritage but also a bold step toward sustainability in waste management. Under the visionary leadership of Shri Neiphiu Rio, Chief Minister of Nagaland, and with the support of local authorities, this landmark initiative was realized through the collaborative efforts of Green Guard, Zub Zub India, and Human Matrix Securite. Together, they embarked on an ambitious journey to make the festival a zero-waste and single-use plastic (SUP)-free event.

This transformative initiative highlights how cultural festivities can harmonize with environmental stewardship, inspiring a global movement toward sustainable celebrations. Recognizing the urgency of combating climate change and plastic pollution, the festival adopted zero-waste practices, making it a benchmark for eco-friendly event management.

This table book captures the essence, strategies, and impact of this groundbreaking initiative, offering a roadmap for integrating sustainability into future cultural events.



ACKNOWLEDGMENTS

Deepest gratitude to the following contributors who made this initiative possible:

- Shri Neiphiu Rio, Chief Minister of Nagaland, for his unwavering support.
- Tourism Department, Nagaland
- Urban Development department, Nagaland
- Municipal affairs department, Nagaland
- Shri. Khriemelie Metha, founder of Green Guard, for his leadership and vision.
- Zub Zub India, for their strategic collaboration.
- Human Matrix Securite, for technical guidance and executing the initiative with precision.
- Dedicated volunteers who tirelessly worked to educate and engage festival attendees.
- Local communities and self-help groups for their active participation.
- 17 Tribal Morung's and artists who embraced sustainable practices wholeheartedly.

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THE ZERO-WASTE INITIATIVE

Vision and Mission

The Hornbill Festival 2024 set a bold vision to become a global benchmark for sustainable event management. By eliminating single-use plastics (SUPs), promoting waste segregation, and fostering community involvement, the initiative aimed to significantly reduce the festival's environmental footprint while preserving its rich cultural essence. The mission was clear: to demonstrate how heritage and sustainability can coexist harmoniously, creating a model for future events worldwide.



PARTNERS IN CHANGE

The success of this transformative initiative was driven by the concerted efforts of key partners, each bringing unique expertise and resources:

- Green Guard, led by Khriemelie Metha, spearheaded the on-ground implementation with innovative strategies and local expertise.
- Zub Zub India contributed vital resources and strategic collaborations, ensuring smooth operations throughout the festival.
- Human Matrix Securite provided technical guidance and ensured the seamless execution of zero-waste practices, integrating sustainable solutions into every aspect of the festival.





Government Support

- The initiative was strongly supported by the Government of Nagaland, with the visionary leadership of Chief Minister Shri Neiphiu Rio playing a pivotal role. His assurance and commitment provided the momentum needed to drive the project's success.
- Active collaboration with departments such as Nagaland Tourism, Urban Development, and the Municipal Affairs Department ensured the integration of administrative support, infrastructure, and policy alignment, making this zero-waste initiative a reality.



Sorting Station

All dry waste collected from the venue was transported to a dedicated sorting station. Here, trained personnel meticulously categorized the waste into various types, such as paper, plastics, metals, and glass. Recyclable materials were cleaned and bundled before being sent to authorized recycling centers. This process not only ensured that valuable materials were diverted from landfills but also supported the recycling industry, contributing to the circular economy. Non-recyclable materials were handled responsibly, adhering to strict environmental protocols.

A robust waste segregation system was the cornerstone of the zero-waste initiative. Clearly labeled bins for wet waste, dry waste, and recyclable materials were strategically placed throughout the festival venue. These bins were designed with easy-to-understand symbols and color codes to encourage proper disposal among attendees. Volunteers stationed near the bins provided guidance, ensuring that waste was segregated at the source itself. This approach significantly reduced the risk of contamination between waste streams, facilitating efficient downstream processing.



Composting



Wet waste, primarily generated from food stalls and biodegradable materials, was processed in on-site composting pits. These units were equipped to handle large volumes of organic waste efficiently. The process involved converting the waste into nutrient-rich compost through natural decomposition. The resulting compost was earmarked for use in local agricultural fields and community gardens, promoting sustainable agricultural practices. By managing wet waste at the source, the initiative not only reduced methane emissions from landfill disposal but also created a valuable resource for the local community.

This comprehensive waste management framework ensured that the Hornbill Festival set a new standard for sustainable event practices, inspiring other large-scale gatherings to adopt similar models.

Behavior Change Campaigns

Effective behavior change campaigns were an integral part of the zero-waste initiative, aimed at creating awareness and inspiring action among the festival attendees. These campaigns combined personal interactions, educational materials, and interactive experiences to ensure widespread participation and long-term impact.

Volunteer-Led Awareness Sessions

A dedicated team of trained 74 volunteers played a crucial role in driving behavior change at the festival. Positioned strategically across the venue, these volunteers conducted on-the-spot awareness sessions, engaging with attendees in real-time. They provided practical demonstrations of proper waste segregation, emphasizing the importance of disposing of wet, dry, and recyclable waste in designated bins.

Volunteers also shared insights about the environmental impacts of single-use plastics (SUPs) and the benefits of adopting sustainable alternatives. Their approachable demeanor and hands-on guidance helped bridge the gap between awareness and action.



Interactive IEC Campaigns

To complement the efforts of volunteers, a series of Information, Education, and Communication (IEC) campaigns were designed to captivate and educate attendees. These campaigns included:



- Visual Displays: Posters, banners, and digital screens placed around the venue showcased compelling messages about zero-waste practices and their significance in combating climate change.



- Interactive Booths: Specially designed booths allowed visitors to engage with sustainability concepts through games, quizzes, and activities focused on waste management and recycling.



- Live Demonstrations: Hands-on workshops offered attendees the opportunity to learn skills such as composting and crafting reusable items, making sustainability both accessible and practical.

These behavior change campaigns not only educated attendees about the principles of sustainability but also encouraged them to adopt these practices in their daily lives. By fostering a sense of responsibility and community participation, the Hornbill Festival set a precedent for incorporating education into large-scale environmental initiatives.

Infrastructure and Facilities

To ensure the success of the zero-waste initiative, the Hornbill Festival incorporated sustainable infrastructure and facilities designed to minimize environmental impact while enhancing visitor experience. These measures not only replaced harmful single-use plastics (SUPs) but also encouraged attendees to adopt eco-friendly practices



Eco-Friendly Alternatives

The festival organizers took a proactive approach to eliminate SUPs by introducing eco-friendly alternatives. Vendors and food stall operators provided biodegradable cutlery, plates, and packaging materials made from bamboo, areca palm leaves, and sugarcane bagasse. These materials are not only environmentally sustainable but also compostable, ensuring minimal waste generation. Additionally:

- Bamboo straws replaced plastic straws, further reducing non-recyclable waste.
- Local artisans and vendors were engaged to supply these alternatives, promoting the use of indigenous materials and boosting the local economy.
- Awareness campaigns encouraged attendees to bring their own reusable utensils and containers, creating a culture of sustainability.





Impact Assessment

The Hornbill Festival's zero-waste and SUP-free initiative created a multi-dimensional impact, addressing environmental, community, and economic aspects. The following assessment highlights the significance of the initiative and its potential for replicability in other large-scale events.

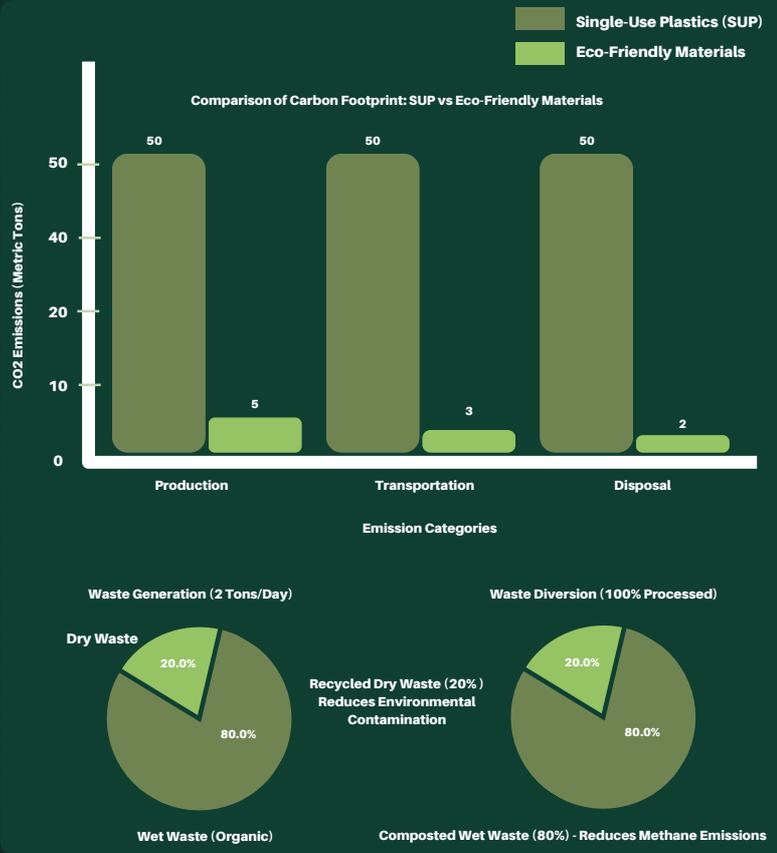
Environmental Impact

Single-Use Plastic (SUP) Reduction: The festival achieved a remarkable milestone by eliminating the use of approximately 1 lakh SUP items daily, preventing 1 million SUP items from entering the environment over the 10-day duration. This drastic reduction significantly minimized the long-term pollution caused by non-biodegradable plastics.





- **Carbon Footprint Reduction:** By replacing SUP with eco-friendly alternatives and adopting sustainable practices, the festival reduced greenhouse gas emissions by an estimated 50 metric tons of CO₂. This includes emissions saved from the production, transportation, and disposal of single-use plastics, contributing to the fight against climate change.
- **Waste Diversion:** Effective segregation, composting, and recycling efforts diverted significant amounts of waste from landfills, reducing methane emissions and environmental contamination.



Community Impact

- **Empowering Local Communities:** The festival actively involved local communities in various aspects of its zero-waste initiative. Self-help groups and artisans supplied eco-friendly products such as bamboo and leaf-based cutlery, fostering a sense of ownership and pride among locals.
- **Environmental Awareness:** With a daily attendance of over 2 lakh people, the festival served as a platform for spreading awareness about sustainable practices. Visitors were educated on the importance of waste segregation, recycling, and reducing reliance on SUPs, creating a ripple effect of positive environmental behaviors beyond the festival grounds.
- **Volunteer Engagement:** The initiative mobilized a dedicated volunteer force, providing them with valuable experience in waste management and sustainability practices, which they can continue to promote in their communities.

Economic Impact

- **Cost Savings:** By implementing efficient waste management systems, the festival reduced expenses related to waste collection, transportation, and disposal. The use of composting and recycling further minimized operational costs, showcasing the economic benefits of sustainable practices.
- **Boosting Local Economy:** The demand for eco-friendly alternatives created economic opportunities for local vendors and artisans. Suppliers of bamboo products, biodegradable packaging, and other sustainable materials experienced a surge in demand, contributing to the local economy and supporting traditional crafts.
- **Job Creation:** The initiative led to short-term employment opportunities in areas such as waste segregation, composting operations, and volunteer coordination, offering additional income streams for local workers.

Stories from the Ground

The success of the Hornbill Festival's zero-waste initiative was brought to life by the efforts and experiences of those on the ground. From volunteers to vendors, each story reflects the dedication, challenges, and triumphs of turning a vision into reality.

Volunteer Perspective

"Educating visitors about waste segregation was a challenging yet incredibly rewarding experience. Initially, many attendees were unfamiliar with the concept of separating wet, dry, and recyclable waste. However, through persistent efforts, demonstrations, and one-on-one conversations, we saw a noticeable shift in their behavior. By the end of the festival, visitors were actively participating in proper waste disposal. It was inspiring to witness how small actions could collectively make such a big difference." - **Mr. Khremelie Metha**

This story highlights the critical role volunteers played as educators and change agents, ensuring the festival's sustainability goals were met while fostering a culture of environmental responsibility.

Vendor Success Story

Switching to biodegradable packaging initially seemed like a challenge, but it turned out to be one of the best decisions for our stall. Customers appreciated the effort to reduce plastic waste and were more inclined to support us because of our eco-friendly practices. Beyond the environmental benefits, this switch also helped us stand out among the vendors, attracting eco-conscious attendees who were eager to support sustainable businesses.

This vendor's experience underscores how sustainable practices can create new opportunities, not only for the environment but also for businesses. The demand for biodegradable alternatives at the festival boosted sales while aligning with the overarching zero-waste vision.

Visual Showcase

- High-resolution images of waste segregation bins, composting units.
- Infographics showcasing waste reduction data.
- Photos of vibrant upcycled art installations.

Global Context



Plastic Pollution Crisis: A Global Challenge

Globally, over 400 million tons of plastic are produced annually, yet only 9% of this plastic waste is recycled. The remaining majority ends up in landfills, oceans, or as uncollected waste, contributing to severe environmental degradation. The pervasive issue of plastic pollution has far-reaching consequences, including harm to wildlife, disruption of ecosystems, and significant contributions to climate change through greenhouse gas emissions during production and disposal.



Nagaland's Initiative in a Global Context

The zero-waste and SUP-free initiative at the Hornbill Festival places Nagaland on the global map as a leader in tackling the plastic pollution crisis. By eliminating approximately 1 million SUP items during the 10-day festival, the initiative demonstrates how local actions can have a global impact. It aligns with the United Nations' Sustainable Development Goals (SDGs), particularly:

- **SDG 12: Responsible Consumption and Production** – promoting sustainable waste management practices. (symbols SDG
- **SDG 13: Climate Action** – reducing carbon emissions through minimized plastic production and disposal. (symbols SDG



Nagaland's Initiative in a Global Context



Inspiration for Global Events

The success of the Hornbill Festival's zero-waste initiative offers a replicable model for other cultural events worldwide. It underscores the importance of:

- **Community Involvement** : Engaging local populations and stakeholders to drive behavior change.
- **Sustainable Alternatives** : Promoting biodegradable and reusable options as viable replacements for plastic.
- **Collaborative Efforts** : Leveraging partnerships between governments, NGOs, and the private sector to achieve sustainability goals.

By addressing a global challenge at the local level, Nagaland has set a precedent for integrating cultural heritage with environmental stewardship, proving that festivals and sustainability can go hand in hand.



Lessons Learned



The Hornbill Festival's transition to a zero-waste and SUP-free event provided valuable insights into sustainable event management. While the initiative achieved significant success, it also highlighted challenges and essential takeaways for future endeavors.

Challenges

1. Ensuring Compliance with Waste Segregation Practices

- One of the primary challenges was ensuring that festival attendees, vendors, and staff adhered to the waste segregation guidelines. Despite clear signage and volunteer assistance, habitual behaviors and lack of awareness initially hindered compliance.
- Continuous monitoring by volunteers and designated supervisors was required to maintain segregation practices, which demanded extensive manpower and coordination.

2. Availability and Adoption of Eco-Friendly Alternatives

While eco-friendly alternatives were provided, convincing all vendors to adopt them posed initial resistance due to cost perceptions and logistical challenges



3. Scalability of Sustainable Practices :

- Implementing such a large-scale initiative in a dynamic and high-footfall event required seamless coordination among multiple stakeholders and departments.

Takeaways

• Effective Collaboration Between Stakeholders :

- Support from **Chief Minister Shri Neiphiu Rio** and collaboration with departments like **Nagaland Tourism** and **Urban Development** streamlined the implementation process.
- The success of the initiative hinged on the cooperation between government authorities, private organizations, and local communities. The involvement of **Green Guard**, **Zub Zub India** and **Human Matrix Securite** ensured technical expertise and resources were effectively utilized.



- **Community Involvement as a Catalyst for Success :**

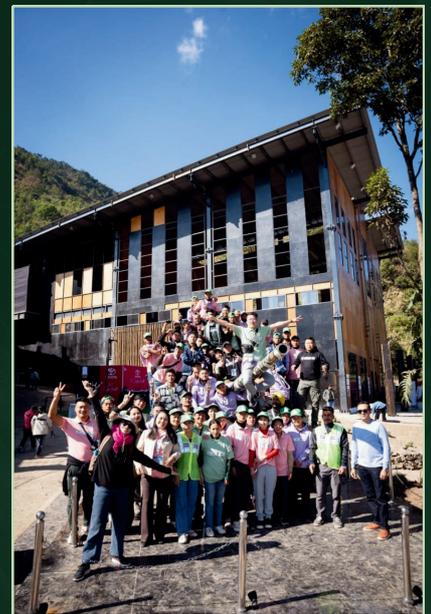
- Engaging local communities not only promoted ownership of the initiative but also fostered long-term behavioral change. Involving local groups and artisans to provide eco-friendly products ensured the initiative was both sustainable and economically beneficial.

- **Importance of Awareness Campaigns :**

- Interactive IEC campaigns and on-the-spot education played a critical role in bridging the knowledge gap, making waste segregation and eco-friendly practices relatable and actionable for attendees.

- **Replication Potential :**

- The initiative demonstrated that cultural events can integrate sustainability without compromising their essence. The strategies employed at the Hornbill Festival can serve as a blueprint for similar events worldwide.



Way Forward

The success of the zero-waste initiative at the Hornbill Festival paves the way for scaling and institutionalizing sustainable event practices across Nagaland and India. Building on the achievements and lessons learned, the following steps outline a comprehensive way forward:

1. Expanding the Zero-Waste Model to Other Festivals

- **Statewide Adoption :** The Hornbill Festival's framework can serve as a replicable model for other cultural and religious festivals in Nagaland, such as the Sekrenyi Festival and Moatsu Festival. By integrating zero-waste principles into these events, the state can reinforce its commitment to sustainability.
- **National Outreach :** The initiative sets a benchmark for sustainable event management that can inspire similar efforts across India. Large-scale events like the Pushkar Fair, Jaipur Literature Festival, and Goa Carnival can adopt the Hornbill model, reducing their environmental footprints while preserving their cultural essence.
- **Customizing Solutions :** Recognizing the unique challenges and needs of different festivals, tailored zero-waste strategies can be developed to address variations in scale, venue, and cultural practices.

2. Establishing Permanent Infrastructure for Waste Management

- **Dedicated Waste Management Units** : Setting up permanent waste management units at major event venues can ensure year-round preparedness. These units can include segregation facilities, composting units, and recycling centers to handle waste effectively during and beyond festival periods.
- **Reusable Infrastructure** : Investing in durable, reusable alternatives to disposable materials for event use, such as washable cutlery and modular waste bins, can significantly reduce waste generation.
- **Training and Capacity Building** : Creating a trained workforce for waste management, including local community members, can ensure consistent implementation of sustainable practices. Regular workshops and certification programs can build local expertise.



3. Policy and Advocacy

Regulatory Support: Collaborating with government bodies to establish regulations mandating zero-waste practices for large events can institutionalize sustainability. Incentives such as subsidies for eco-friendly materials and penalties for non-compliance can encourage adoption.

Public-Private Partnerships: Partnering with private organizations and NGOs can bring in technical expertise and resources to support the expansion and maintenance of zero-waste initiatives.

4. Community Engagement and Education

Awareness Campaigns: Continuously engaging the public through awareness campaigns can reinforce sustainable behaviors learned at the festival. Social media campaigns, school programs, and community events can extend the initiative's reach.

Local Economic Opportunities: Supporting local artisans and vendors in producing eco-friendly alternatives can create a sustainable supply chain while boosting the local economy.

5. Monitoring and Evaluation

Tracking Impact: Establishing robust mechanisms to monitor and evaluate the environmental and economic impacts of the zero-waste initiative will provide data to refine and scale the model.

Feedback Mechanisms: Encouraging feedback from stakeholders, including attendees, vendors, and local authorities, can help identify areas for improvement and innovation.

Social Media Effects: Creating a Positive Impact

The Hornbill Festival's zero-waste and SUP-free initiative leveraged the power of social media to amplify its message, engage audiences, and create a lasting positive impact. Platforms such as Facebook, Instagram, Twitter, and YouTube played a crucial role in spreading awareness and showcasing the festival's sustainability efforts to a global audience.

Key Positive Impacts of Social Media

- **Widespread Awareness :**
 - Social media campaigns highlighted the festival's zero-waste practices, inspiring both attendees and remote viewers to adopt sustainable habits. Posts featuring engaging visuals, statistics, and testimonials reached thousands of people, ensuring that the message resonated far beyond the festival grounds.
- **Real-Time Engagement :** Interactive features like live streaming, polls, and Q&A sessions allowed attendees and followers to actively participate in discussions about sustainability. This real-time engagement fostered a sense of community and shared responsibility.

Social Media Effects: Creating a Positive Impact

Showcasing Success Stories:

- Stories from volunteers, vendors, and attendees were shared through videos, reels, and posts, celebrating their contributions and motivating others to support the initiative. Posts featuring local artisans and eco-friendly products also promoted the region's culture and economy.

Global Reach:

- By using hashtags like #HornbillFestival2024, #ZeroWasteFestival, and #SustainabilityInAction, the campaign garnered international attention, drawing praise and encouraging similar initiatives at other events worldwide.

Inspiring Action:

- Attendees and virtual participants were encouraged to share their own stories and actions inspired by the festival's initiatives, creating a ripple effect of sustainable practices and advocacy.

Narendra Modi @narendramodi

My best wishes for the ongoing Hornbill Festival and congratulations to the people of Nagaland on this lively festival completing 25 years. I am also glad to see the focus on waste management and sustainability during this year's festival.

I have fond memories from my own visit to this Festival a few years ago and I urge others to visit it and experience the vibrancy of Naga culture.

Neiphu Rio @Neiphu_Rio · 04 Dec 24
Attended stone pulling ceremony commemorating 25 years of #HornbillFestival, at Kigwema village, with Hon'ble Union Minister Shri Gajendra Singh Shekhawat Ji @gssjodhpur. The auspicious ceremony marks an important cultural event and...



10:42 AM · 05 Dec 24 · 1.2M Views



RECOGNITIONS – HONORABLE PRIME MINISTER
SHRI NARENDRA MODI



Neiphu Rio @Neiphu_Rio · 05 Dec 24

Thank you Shri @narendramodi Ji for your warm wishes on the #HornbillFestival. Your recognition of our efforts in sustainability is encouraging. In line with Swachh Bharat Mission, we are committed to making the festival more eco-friendly. We look forward to welcoming you again.

Narendra Modi @nare... · 05 Dec 24

My best wishes for the ongoing Hornbill Festival and congratulations to the people of Nagaland on this lively festival completing 25 years. I am also glad to see the focus on waste management and sus...

52 232 4.5K

Neiphu Rio @Neiphu_Rio · 03 Dec 24

Happy about the waste mngt. efforts at the ongoing #HornbillFestival. Dedicated personnels at the site are ensuring that segregated wastes are sent to the Materials Recycling Facility for recycling & composting. Let us continue to do our bit for a cleaner & greener environment.



DECEMBER 3, 2024 NAGA HERITAGE VILLAGE, KISAMA

AIR News Kohima and 5 others

30 88 1.8K



RECOGNITIONS – HONORABLE CHIEF MINISTER
SHRI NEIPHIU RIO



APPRECIATION BY
DIGNITARIES & HONORABLE GUESTS



ADVISOR TO CHIEF MINISTER NAGALAND

MR. ABU MEHTA



CHAIRMAN OF TAFMA GOVT. OF NAGALAND

MR. THEJA MERU



APPRECIATION BY

DIGNITARIES & HONORABLE GUESTS



CO FOUNDER OF TRAIL & CAMP DAVID
MR. ROHAN K ABRAHAM



DEPUTY DIRECTOR OF DEPARTMENT OF HORTICULTURE
MR. I. CHUBATOSHI



APPRECIATION BY
DIGNITARIES & HONORABLE GUESTS



PROPERITOR OF D'CAFE AT KISAMA
MR. DILI KHEKHO



FOUNDER & DIRECTOR OF MUSIK-A
MR. ALOBO NAGA



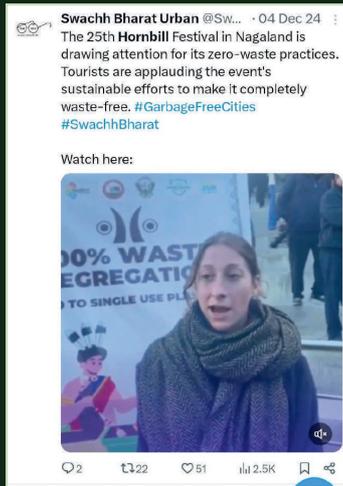
APPRECIATION BY CELEBRITIES & SOCIAL MEDIA INFLUENCERS



SOCIAL MEDIA COVERAGE



POSTED BY
SWACHH BHARAT MISSION URBAN



REPORT SHARED BY

SWACHH BHARAT MISSION URBAN



Waste Not, Celebrate More: The 25th Hornbill Festival Paves the Way for Sustainability!

The 25th Hornbill Festival, celebrated as the "Festival of Festivals," has taken a significant step towards sustainability this year by going Zero-Waste and Single-Use Plastic (SUP) Free. Known for showcasing Nagaland's rich culture, music, and traditions, the festival is setting a powerful example in eco-friendly event management. With daily footfall exceeding 2 lakh visitors, this initiative marks a significant milestone in promoting environmental conservation and sustainable practices.

This year, the Hornbill Festival was inaugurated by the Nagaland CM, Neiphiu Rio. The festival aligned with global sustainability goals, aimed to become a benchmark for eco-friendly events in India. By implementing rigorous waste management practices and engaging the community, it led the way in how cultural celebrations can be harmonized with environmental conservation.

To make the Festival a Zero-Waste and Single-Use Plastic (SUP) Free event, several impactful measures were adopted.



All single-use plastics, including straws, disposable plates, cups, and plastic bags, were banned in an effort to reduce environmental impact. To support this initiative, vendors were required to use sustainable alternatives such as bamboo straws, biodegradable cutlery, leaf-based plates, and paper bags, which are both eco-friendly and compostable. These alternatives helped minimize waste and promote a greener, cleaner environment. To ensure the success of this initiative, dedicated enforcement teams and volunteers actively monitored the venue for compliance. They engaged with vendors, providing guidance, and conducting regular checks to ensure that only approved materials

were being used. Educational signage and awareness campaigns were also in place to encourage visitors to make eco-conscious choices, further reinforcing the commitment to sustainability.



A comprehensive waste management system was established, starting with waste segregation at source. Labeled bins for wet, dry, and recyclable waste were placed throughout the venue, with trained volunteers assisting visitors to ensure proper disposal and encourage behavioural change. A dedicated dry waste sorting station processes collected materials into categories such as plastics, paper, glass, and metals, with recyclables sent to authorized centres. Wet waste was processed on-site using composting units, producing compost that would benefit local agricultural fields and community gardens, creating a circular waste management model.



To reduce waste further, food stalls used reusable or compostable utensils like banana leaves and bagasse-based plates, while visitors are encouraged to bring their own utensils or purchase reusable ones at the venue. Water refilling stations have been installed across the festival site to discourage the use of plastic bottles, and visitors are incentivized to bring their own reusable bottles, with refillable options available for purchase. In addition, 42 toilets were installed at the Hornbill Festival, with 36 located in the Morning (food area) and 6 at public locations. These toilets were regularly cleaned and maintained throughout the event.

IEC campaigns played a crucial role in promoting sustainable behaviour at the festival. Informative displays were placed across the venue provided visitors with real-time guides and practical tips for adopting eco-friendly practices. Additionally, volunteers conducted on-the-spot awareness sessions to ensure attendees understand and comply with the zero-waste protocols.

The Hornbill Festival's zero-waste approach has led to significant environmental impacts, most notably the reduction of single-use plastic (SUP) waste. Approximately 1 lakh SUP items were prevented from being used each day, totalling around 1 million fewer items over the 10-day festival, thereby significantly reducing plastic pollution in the region. Additionally, by eliminating SUP usage, the festival likely avoided over 50 metric tons of CO₂ emissions, contributing to a decrease in its carbon footprint. Local sourcing of eco-friendly materials further reduced transportation-related emissions. Furthermore, by preventing plastic waste, the festival helped mitigate the release of methane and ethylene, potent greenhouse gases, thus aligning with global climate goals and improving air quality in Nagaland. The festival also promoted a circular economy by implementing sorting stations and encouraging recycling, with recyclable materials such as paper, glass, and metals being sent to authorized centers, ensuring resource conservation and reduced energy consumption.

The success of the Hornbill Festival's zero-waste initiative in Nagaland can serve as a model for large-scale events worldwide. By adopting similar measures at festivals, concerts, and public gatherings, we can significantly reduce environmental footprints, protect ecosystems, and combat climate change. This initiative is not only a major achievement for Nagaland but also a shining example for the global community in the fight against climate change and plastic pollution.

SOCIAL MEDIA LINKS



<https://x.com/narendramodi/status/1864538434209013882?t=8yG1rPxpHJerjuiezaHpoQ&s=19>
<https://www.instagram.com/reel/DDEI9YBSin5/?igsh=MTZrYTDxM3VxMmdjZg==>
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https://www.linkedin.com/posts/humanmatrixsecurite_hornbillfestival-zero-waste-reduce-reuse-recycle-activity-7271112870719836160-74Va?utm_source=share&utm_medium=member_android
<https://www.instagram.com/reel/DDbaYukSCRx/?igsh=NTk5d2o0NXFiNzI1>

DIGITAL MEDIA LINKS



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(Nagaland Tribune)

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(The Morung Express)

<https://www.easternmirrornagaland.com/details/kisamas-attempt-to-go-green-over-80-of-waste-recycled-daily> (**The Eastern Mirror**)



Conclusion

The Hornbill Festival's zero-waste initiative has proven that cultural celebrations can thrive alongside sustainability. By integrating eco-friendly practices, fostering community participation, and leveraging social media to amplify its message, the festival has inspired global audiences to adopt greener lifestyles. Its impact goes beyond the event's 10-day span, addressing key environmental, social, and economic challenges while positioning Nagaland as a pioneer in sustainable event management and a model for cultural festivals worldwide.





SUSTAINABILITY STARTS WITH YOU!

Every small step towards sustainability brings us closer to a healthier planet. Choose eco-friendly practices today for a better tomorrow.



HORNBILL WASTE SEGREGATION REPORT

WASTE SEGREGATION FOR A CLEANER,
GREENER NAGALAND

2025 ■■■



209 Signal Colony Dimapur, Nagaland

Over the course of 11 days from the **1st to the 11th** of December 2024 Green Guard mobilized a Team of 74 personnel (including Zub zub India and Human Matrix Securite team members) that placed 60 wet/dry bins across Kisama Grounds and handled the collection and segregation of waste during the **25th edition of the Hornbill festival**.

This workforce was divided into 7 teams;

1. IEC (Information, Education and Communication) Team- Educated Morungs, stalls and festival goers on correct segregation practices.



2. Rag-picking Team - walked around Kisama grounds picking up litter on the floor.





209 Signal Colony Dimapur, Nagaland

3. Dustbin volunteers- stationed at high footfall areas that directly took trash from festival visitors and placed them into appropriate dry/wet bins.



4. Segregation team 1- Segregated trash into wet/dry at the bins, Morungs and transfer stations.



5. Pickup team- collected segregated trash from bins, Morungs, stalls and transported the collected trash on foot to transfer stations.





209 Signal Colony Dimapur, Nagaland

6. Transport team- Picked up trash in vehicles from transfer stations and took to the MRF (Material Recovery Facility) Unit



7. Segregation team 2 – Stationed at the MRF they further segregated and packed recyclable dry waste into plastics, glass, metals, and cardboards while the wet waste was packed to be sent off to the compost site located offsite.





209 Signal Colony Dimapur, Nagaland

OBSERVATIONS

- Morungs and stalls were initially not segregating the trash but over the course of the festival a few began incorporating healthy waste management habits and began segregating their own trash.
- Most of the waste generated is wet waste from food.
- Lunch time in the afternoon and early evenings was when most trash was collected.
- Night trash though high is contained to a few areas, mostly Morungs with high footfall.
- Aluminum foil (beer cans) is bought by recyclers at a high price hence there were many ragpickers (not from our team) collecting them in the early hours.

RECOMMENDATIONS

- Incentivize Morungs and stalls to segregate their own trash by either rewarding good practices or penalizing bad ones.
- Complete ban on plastic cutlery and food take away packaging, these single use plastic items were usually thrown alongside food waste that made segregation much more challenging. Many Morungs and stalls already incorporate wooden cutlery and banana leaves for food packaging, items which can be sent for composting directly.
- 2 rotations of personnel for waste management; day and night.
- set up fixed transfer stations where waste collected on foot can be packed and made ready for pickup via vehicle to be taken to the MRF
- Permanent on site composting





209 Signal Colony Dimapur, Nagaland

HORNBILL 2024 WASTE COLLECTION & SEGREGATION BY GREEN GUARD

DATE Jan, 2024	Total Waste Collected	Total Dry Waste Collected	Total Wet Waste for Composting	Pet Bottles	Packaging Product	Cardboard	Aluminium Folfs	Glass	Total Dry Waste for Recycling	Inert Waste
01	-	215	-	41	-	42	12	20	-	
02	1,241	518	723	89	-	64	9	01	162	356
03	1,697	610	1,087	88	-	91	21	79	279	331
04	1,527	471	1,056	42	-	38	17	34	131	340
05	2,196	722	1,474	63	-	44	14	65	186	536
06	1,677	779	898	54	-	20	10	66	151	628
07	2,557	940	1,617	76	-	24	14	92	206	734
08	2,847	1,061	1,786	83	-	41	63	80	267	794
09	2,295	1,051	1,244	76	-	23	8	90	197	854
10	2,274	991	1,283	36	-	36	30	84	186	805
11	3,408	1,949	1,459	145	71	98	16	160	490	1,459
Total	21,719 kg	9,522 kg	12,624 kg	793 kg	71 kg	512 kg	214 kg	720 kg	2,255 kg	6,837 kg





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Brief Report On Clean Doyang Mission

(From 7th -30th June, 2024)

CLEAN DOYANG MISSION ACCOMPLISHED



BEFORE

AFTER

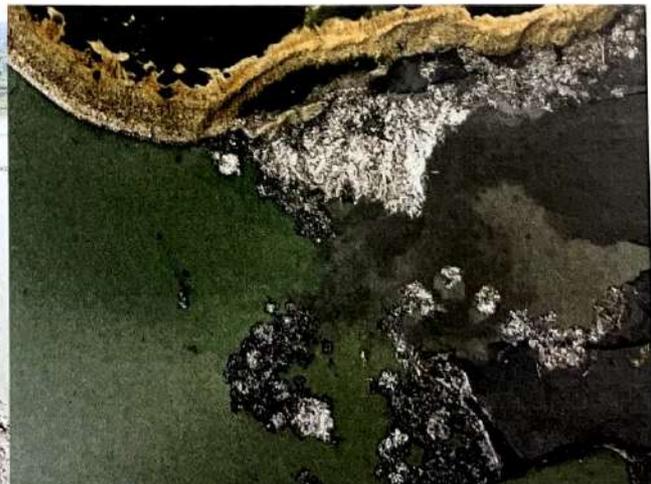
REPORT ON CLEAN DOYANG MISSION

- I) Clean Doyang Mission was initiated by the Deputy Commissioner & Chairman, District Disaster Management Authority, Wokha under the directive of Chief Secretary, Nagaland, on 7th of June 2024 for prevention and mitigation of environmental hazards caused by the irresponsible disposal of solid / plastic waste in the upstream of Doyang Dam reservoir at Wokha district.
- II) The following members were constituted for taking up the task of cleaning and removal of plastic waste at Doyang on a mission mode with “**Clean Doyang Mission**”:
1. Shri P. Pukha Lam, EAC Aitepyong (*Area/Incident Commander*)
 2. Shri. Jonjibemo Odyuo, Nodal officer, DDMA Wokha (*Operation Chief & PRO*)
 3. Er. Benrio Kithan, EE (WRD), Wokha (*Logistic Chief*)
 4. Shri. Echung Konyak S, Company Commander, SDRF Wokha
 5. Shri. Orenthung Odyuo, DGM (C) NEEPCO Doyang, Wokha
 6. Representative from District Tourism Officer, Wokha
 7. Representative from Divisional Forest Officer, Wokha
 8. Representative from District Fishery Officer, Wokha
- III) On the 7th of June 2024, the team went for On-the-Spot assessment which is 17 km away from the main Doyang Bridge with the following tasks:
1. Assess the spots of solid waste pollution by physically visiting them,
 2. Assess the amount of waste ,
 3. Assess the resources required for cleaning on immediate basis,
 4. Assess the machinery required, and
 5. Assess the place where the cleaned-up waste can be collected and then the disposal.



IV) The following findings were submitted by the Clean Doyang Mission verification team as given below:

1. Spot verification done on 7th June 2024
2. Amount of waste approximately 20-25 truck loads
3. Resources required
4. Machinery required- 1JCB and 1 dumper truck
5. For waste collection, a temporary collection point (TCP) to be constructed on the river bank and fenced with agro-net.
6. Manpower required for the cleanup. Discussion for community participation did not yield any fruitful outcome.
7. It was discussed that all to reach the site (near My Resort) at 7:00 AM, 8th July.
8. Discussed options available for cleaning up the waste:
 - i. Initial removal of wood debris by pulling.
 - ii. Removal of plastic waste with the help of bamboo as scooping tool.
 - iii. Using machineries for collected debris.





V) CDM Day-2 (08/06/2024): Due to unfavorable condition of the landscape like presence of deep water bodies and loose land masses in the river bank, the only available excavator could not be deployed for removal of the waste from the river. Therefore, manual cleaning of plastics / waste materials by making bamboo bridges in the river and also deploying fishermen with their boats and SDRF motor boats was started on 8th June 2024 which was found to be the most effective strategy.





VI) CDM Day-3 to 5 (10-12/06/2024): On the 10th, 11th and 12th June 2024, fishermen and other volunteers were engaged along with SDRF and NAP personnel for cleaning up the plastic waste debris. Due to the risk factors involved such as presence of log and wood debris, loose sand, circulation of strong water current in the area and unhygienic conditions, only the trained personnel from SDRF and local fishermen could be deployed to the main waste accumulated area. The rest of the volunteers from different organizations, NGO's were deployed to carry the collected waste from the river bank to the Temporary Collection Point and to segregate the waste into different compartments. The picking and collection of plastic waste for Clean Doyang Mission was successfully completed by Day-5 i.e. 12th June, 2024.



VII) The total number of persons involved in Clean Doyang Mission starting from 7th June 2024 to 12th June 2024 is given below:

1. SDRF Wokha	- 25 personnel X 5 days = 125 heads
2. 5 th NAP Bhandari	- 85 heads
3. Fishermen	- 121 heads
4. <u>Volunteers</u>	- 211 heads
TOTAL	- 542 heads

The different organizations and NGO's who came for the cause of Clean Doyang Mission are mentioned below:

1. Pangti Village Councils
2. Team Better Dimapur
3. Natural Nagas
4. Bharat Scouts and Guides, Wokha
5. JNVC Alumni

6. ECO Warriors
7. Lotha Students' Union
8. Rengma Students' Union
9. Englan Range Students' Union
10. Pangti Village Students' Union
11. Old Changsu Students Union
12. Thillong Students Union
13. Aree Students Union
14. Fishermen community
15. Suyen Pangti
16. 5th NAP Bhandari
17. SDRF Wokha
18. NEEPCO employees
19. Individuals from different Villages and organization.



VIII) Mode of disposal: Due to the unavailability of Machineries such as shredding /baling machines at Doyang area, the huge amount of waste could not be transported immediately to the nearest recycling site like Merapani/ Gholaghat as it involved a lot of expenditure in transportation amounting to more than Rs 3 Lakhs (approx. estimation). After thorough deliberation and assessment, the leaders of the team located a person who was willing to help in disposal of the waste at the recycling site in Merapani. The disposal of waste from the temporary collection point at Doyang started on 24th of June 2024 and is continuing while submitting this report.

IX) Reason for accomplishment of Clean Doyang Mission:

- 1) The operation usually starts from 5am till 6pm and the weather condition was pleasant on Day-5 i.e. 12th June, 2024, unlike the other days where all the team needs to take rest during the scorching noon hours.
- 2) There was more fisherman volunteers and volunteers from various organisations as may be seen at Para VII above. On Day 5, volunteers from Natural Nagas, Bharat Scout & Guides, Lotha Students Union, Rengma Students Union, Pangti VSU, fisherman, other organization and individual volunteers.
- 3) The Incident Response System was followed, Standard Operating Procedures for the Clean Doyang Mission was in place, so all those new manpower which were added knew their responsibilities and the work was carried out effectively without any miscommunication amongst the teams.
- 4) The Clean Doyang Mission Team along with the response unit leaders use to have review meeting during lunch break and after the completion of the works every day. Plans are being modified and strengthen as per the feedback. Thus, the better understanding and well coordination amongst the members helped in smooth execution.

X) Observations:

- 1) As per the drone survey, there were scattered pieces of plastic waste lying on the bank of the water masses elsewhere too. However, a huge amount of plastic waste concentration found in the operated site was not located in other peripheries of Doyang Dam.
- 2) The large accumulation of plastic waste near Shitio's Camp at Pangti area could be credited due to the confluence of running water current from upstream and water waves from the Dam site causing an eddy in the middle of the water body, resulting to confinement of all the plastic waste within the area.
- 3) The presence of log/wood debris and the water level being at its lowest have also contributed to trapping of the floating waste materials.
- 4) It is learnt that the accumulation of solid waste started since the commission of the project in the year 2000, and is a continuous annual recurrence.

- 5) There is no or lack of solid waste management within the residence of the surrounding villages and no rag pickers or recycling processing units were found.
- 6) The waste materials can be identified as domestic waste or recreational waste (picnicker, hunters, fisherman, etc) from the surroundings of Doyang Dam and upstream catchment areas including Kohima and Zunheboto Districts.

XI) Challenges: Some of the challenges faced during the operation of Clean Doyang Mission are given as below:

- 1) The operation was carried out with no trained/experienced officers/personnel. Therefore, there was a confusion in the beginning and different methods/techniques had to be tried and tested.
- 2) The weather condition was very hot and humid which slowed down the operation till Day-4.
- 3) The water was too contaminated and foul smell was there that responders had to be changed with several intervals.
- 4) There was a strong water current in the middle of the river which was inaccessible and risky for the responders.
- 5) There was no rag pickers available nearby for disposal of the plastic waste materials for recycle.

XII) Suggestions/Recommendations:

- 1) There should be a complete ban of plastic materials usage and strict regulation needs to be implemented by the concerned Government departments/ agencies.
- 2) Random disposal of plastic waste and non-biodegradable waste into the stream/river or drainage should be discouraged.
- 3) More awareness needs to be sensitized to the general public on waste management and disposal especially non-degradable waste.
- 4) A floating barricades may be installed in different location along the rivers considering the catchment areas, most preferably near a bridge where it is accessible, for halting floating plastic waste and collection thereby.
- 5) There is a need for recycle collected waste points with shredding /baling machines with enhanced power connection for handling and packaging to transport to recycling plant.

Mission to get rid of plastic waste at Doyang reservoir commenced



Area team constituted the Deputy Commissioner, Wokha are seen removing plastic wastes accumulated at the Doyang reservoir on June 8. (Morung Photo)

Morung Express News

Wokha | June 8

An Area Team constituted by Deputy Commissioner, Wokha Ajit Kumar Ranjan from the departments of DDMA, Divisional Forest Department, Fishery Department, Water Resource, NEPCO and EAC commenced their task of cleaning and removal of plastic waste accumulated at Doyang reservoir on June 8.

After a day's work, a meeting was conducted at Doyang among the stakeholders, village council chairmen and representatives from various villages along with Deputy Commissioner of Wokha, Ajit Kumar Ranjan and Wokha SP.

During the meeting, Ranjan underscored the importance of the Action Plan Mission to clean the Doyang reservoir as a significant social endeavour. Encouraging the local community, he urged them to heighten awareness regarding waste

management. While recognising the hurdles of the mission, he provided reassurance that the department is fully dedicated to its success and urged the villagers to aid in crafting an action plan and engage fervently in the cleanliness campaign, offering support and assistance in any capacity possible.

He also informed that the cleanup process would continue for two to three days, stating it as a short-term measure while long-range strategies are being devised. Emphasising the significance of safeguarding the Doyang reservoir, he acknowledged it as one of Nagaland's valuable assets and urged the community to shoulder the responsibility for its upkeep.

While responding to concerns regarding NEPCO's jurisdiction over the area and its obligation to handle cleaning duties, he clarified that while NEPCO generates power, the local community get significant

benefits from the river. Consequently, he advocated for a collective sense of ownership and concerted efforts towards the village's enhancement.

L. Jonjibemo Odyou of DDMA Wokha underscored that this initiative 'Clean Doyang Mission' is initiated to come up with strategies to clean the accumulated waste at Doyang. He also outlined the plans and strategies to tackle the issue, with a commitment to adjust them if necessary. Odyou also appealed for support and cooperation from local communities.

Chairpersons and representatives from various villages in the area, present at the meeting, expressed gratitude to the district administration, relevant departments, and stakeholders for initiating efforts to clean up the accumulated waste at Doyang. They also stated that they will extend their support in any way possible during this cleanliness mission.

Clean Doyang Mission volunteers continue task



On Monday, the volunteers helped in segregation of waste materials.

Morung Express News

Wokha | June 10

The mission to clean the waste accumulated at Doyang River by Doyang Clean Mission Warriors, the task persisted as planned. Advisor of Agriculture and Chairman of DPDB

Wokha, Mhathung Yanthan paid a visit to the site accompanied by the members of Wokha DPDB on June 10.

He engaged with the team members of Clean Doyang Mission and interacted with them.

Advisor Mhathung Yanthan also donated to show support to

the working team. Additionally, he commended the efforts of all Clean Doyang Mission warriors and urged the local community to participate voluntarily.

Moreover, the Divisional Forest Officer (Forest) also donated to the cause as a gesture of appreciation towards the team.

The warriors of Clean Doyang Mission expressed their gratitude to MLA Mhathung and the Divisional Forest Officer for their support, which uplifted their morale. They anticipate and hope for increased community participation in the mission tomorrow.

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Various agencies, volunteers join 'Clean Doyang Mission'

Correspondent

WOKHA, JUN 11 (NPN): On the fourth day of the 'Clean Doyang Mission' on Tuesday, various agencies, including the administration, North Eastern Electric Power Corporation Ltd (NEEPCO), Central Industrial Security Force (CISF), Wokha District Disaster Management Authority (DDMA), 7 Nagaland Armed Police (NAP), Home Guard and Civil Defence, State Disaster Response Force (SDRF), Water Resources Department, Wokha Forest Division, Team Eco Warrior, Team Bener Dimapur, and Lotha Students' Union and various unions from across Wokha district, fishermen's union from local villages united to clear the accumulated debris from Doyang river.



Volunteers and officials from various agencies, departments and unions clear the accumulated debris from Doyang river on Tuesday.

Addressing the media, NEEPCO's head of project John Zeliang acknowledged that waste accumulation in the river was an annual issue. He emphasised a permanent solution such as sensitising the catchment areas, as waste accumulated from across the state.

He said the current efforts were focused on cleaning before the monsoon as, with the heavy downpour, the location of the debris could change, adding that they were focusing on cleaning the floating debris to the main reservoir.

EAC Sungro and area commander of the Clean Doyang Mission highlighted the challenges faced by workers, including high

humidity and life-threatening conditions in the river. Despite the difficulties, he remained optimistic about clearing the debris in a few days and called for public support and volunteers.

Wokha DDMA nodal officer, who also serves as PRO and operational chief for the mission, extended heartfelt gratitude to Agriculture adviser Mhathung Yanthan and Wokha divisional forest officer Suman WS Sivchar for their support.

He revealed that various methods were being used to collect waste, though manual cleaning was proving to be the most feasible. He said the SDRF was handling debris collection in the river, while 7 NAP personnel were transporting the collected debris

to a collection site, with the volunteers segregating plastic waste.

He mentioned that fishermen were gathering debris from the middle of the river and its banks, with the SDRF personnel collecting the waste with their boats. He disclosed that approximately 50% of the task was complete, though additional manpower was required.

Visiting the site, Wokha SDO (Civil) Nubita Tuzyi appreciated the ongoing efforts to clear the debris, stressing maintenance of a clean environment.

Representatives from the Home Guard and Civil Defence, Wokha unit stated that they had been stationed at Doyang for the past three days. Due to a manpower shortage, they

said they were exploring mechanical methods such as using ropes to transport the waste.

He mentioned that the team worked from 5 am, taking break only during the scorching afternoon, and continued the work until 6 pm. The department has 25 workers, led by platoon commander sub-inspector Pisaro Lotha.

Philip Yantan, president of the Fishermen's Union that represents over 200 fishermen, said fishing was their livelihood, but with their boats now sunk and nets destroyed, he urged the government to provide new fishing nets.

The waste collected is being segregated into disposable and non-disposable, and the mission will resume on Wednesday.

Clean Doyang Mission successfully completed



After 5 days, Clean Doyang Mission successfully accomplished its operation on June 5. (Morning Photo)

Morning Express News

Wokha | June 12

The Clean Doyang Mission concluded today with remarkable success, as participants from various departments and organizations came together to tackle the persistent issue of plastic pollution around the Doyang River reservoir.

The fifth and final day of the event witnessed a surge in participation from numerous fishermen volunteers, individuals and support from organizations such as Natural Nagas, Bharat Scout & Guides, Lotha Students Union, Reingma Students Union, Pangti Student's

Union, leading to successful completion of the mission.

DIMO and PRO of the Clean Doyang Mission, L. Jouberno Odyou revealed that a particular area where debris had accumulated remained unaddressed due to the convergence of water flow from above and waves from the opposite side, presenting a significant challenge. He emphasized the strength of the current in that area, posing a risk to the safety of volunteers. Additionally, Odyou noted that the debris was not stationary due to the waves, and the available resources, such as boats could not tackle the challenge. However, he

stated that with the onset of monsoon, the debris would be carried away by the water's flow.

Later, Deputy Commissioner of Wokha, Aji Kumar Ranjan addressed the press at his office, commending the successful completion of the mission. He highlighted the primary objective of the mission, which was to tackle the issue of plastic waste accumulation at the mouth of the Doyang River.

He also explained that an area task force, led by EAC Surges, was formed to assess manpower, machinery, and logistical needs.

He also conveyed his gratitude to Chairman

DPOB Wokha and Advisor for Agriculture, Mhatbung Yantuan, for personally visiting the area and encouraging the team for the successful completion of the clean Doyang mission.

He also extended his appreciation to all the teams and volunteers involved in the mission, notably Pangti and Dilloh villages, as well as the neighbouring villages of Doyang. He also acknowledged the participations of English Range Student's Union (ERSU), and Lotha Student's Union, along with NGOs from outside the district such as Team Ferner Dimapur and Eco Warriors Nagaland. Additionally, he thanked the personnel from 7th NAF, DEE and SDRF for their crucial roles in the mission's success.

He also highlighted that the waste segregation was conducted on-site for further processing at respective centres. He mentioned ongoing discussions with the State Government to address such issues and prevent future occurrences.

Furthermore, he appealed to the general public of Doyang and neighbouring villages to collaborate on waste management resolutions to maintain a plastic-free catchment area and enhance the cleanliness and beauty of Doyang.

AICC Minority dept hails Nagaland | Chakhesan

SI No	Details	Amount
2	Distribution of sanitation vehicles under State Plan 2023 – 24 to 8 YLBs	2 Crores



Distribution of sanitation vehicles under State Plan 2023 – 24

Exposure Trip of 20 Officials including Officers dealing with various ULB matters, Administrators and ULB functionaries to India's cleanest city - Indore City, M.P. from 8th June to 12th June 2022, for learning from them.



Sl No	Details
1	Exposure visit on water and waste management in Uttarakhand for elected representatives of Nagaland in collaboration with National Institute of Urban Affairs







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Concept note on orientation of elected representatives of Nagaland

Background:

The Himalayas, known as the water towers of Asia, the third pole or simply home to many of us, is experiencing speedy and unplanned urbanisation, perturbing the hydrological regimes of Himalayan watersheds, and eventually decreased the availability of water for drinking, sanitation and crop production. Large tracts of the Country's Northern and North-Eastern states situated in this region are majorly hilly and some of India's fastest growing cities are situated in these states. The region also witnesses a significant footfall of tourists, throughout the year. Although, due to the complex geography the infrastructure and development activities in the region face significant challenges impacting carrying capacity. Further, the climate crisis has already made its mark visible, putting further pressure on the provision of essential services such as water and sanitation, on an already stressed Indian municipal system. As in other parts of the world, urban growth cannot be stopped or reduced in Himalayas, but it can be steered in a more sustainable manner.

Overlaying the above challenges of rapid, unplanned and unequal urbanisation in the hill stations, state capitals as well as small remote and isolated hill towns – the magnitude of the problem in this context multiplies and is exacerbated by the inadequacy of relevant technological, legal and operational solutions. Implementing waste management rules in the mountains also poses a challenge due to the rules not being sensitive to the socio-ecological uniqueness of the Himalayas. Therefore, there is a need for mountain sensitive policies and resource allocations, moreover specific contextual information and data-driven evidence in the technical and planning guidelines for the hilly region is a concern.

Over the last decade, the sanitation landscape of India has been rapidly changing, with progressive programmes and policies. With the success of Swachh Bharat Mission (SBM 1.0), the Government of India introduced aspirational missions such as SBM 2.0 and Jal Jeevan Mission (JJM-U), which aspire to go beyond eliminating open defecation in the country by focusing on ODF+, ODF++, and Water+ protocols as laid down by the Ministry of Housing and Urban Affairs, Government of India.

Furthermore, the existing knowledge and capacity of local planners, consultants, and decision-makers still follow a one-size-fits-all top-down approach and therefore have yet to meet the standards of the emerging concept of providing access to safe and equitable water and sanitation to all including the marginalised communities and urban poor. The urban water and sanitation scenario needs to be closely looked at from a holistic perspective because the existing situation is exacerbated by emergent climate change issues.

Leh in Ladakh/Nainital in Uttarakhand, mountainous cities have high tourist footfall which has led to a tremendous increase in local incomes. The respective state governments have taken multiple steps in the last few years to address these issues to in turn provide a sustainable solution.

In this regard, National Institute of Urban Affairs (NIUA) in partnership with Department of Municipal Affairs, Nagaland proposes to organize a series of training programmes to inculcate the approach of decentralised sanitation solutions in context specific to local conditions. The training programme will also impart knowledge of roles, responsibilities keeping in view of competency of the elected representatives with respect to constitutional acts of India and devolution of state functions. Thus, it will enable the state to institute informed decision makers working in cooperation with administrative bodies to expedite sustainable sanitation in the respective cities.

On account of that, the followings are the training programmes for the elected representatives proposed for a period of six months.

Levels	Training programme	Timeline	Details
1. Basic (Introduction)	Twinning cum exposure visit Mode: Field based	23rd to 27th September 2024 Location: Leh, Ladakh/Nainital, Uttarakhand	<ul style="list-style-type: none"> • Inculcate and familiarize the concept of decentralised water and sanitation planning • Share best practices and case studies from Leh/Nainital which can be replicated by the officials in their respective ULBs • Learn innovative and contextual approaches to septage and waste management in mountainous terrain, through the work done in Leh/Nainital • Peer to peer learning session by Mayor/elected representatives of host city
2. Orientation	Orientation training programme on used water and faecal sludge management Mode: Classroom, case study and field visit	December 2024/ February 2025 Location: Nainital, Uttarakhand/ Nagaland	<ul style="list-style-type: none"> • Basics of water, sanitation, waste and reuse • Stakeholder engagement • Power, functions, roles and responsibilities • introduction to the principles of citywide inclusive sanitation - Improving service outcomes of equity, safety and sustainability by strengthening service functions of responsibility, accounting and resource management

In addition, NIUA offers an exclusive webinar meeting with the trained cohort to provide technical support and consultation post completion of the training programme. Along with this, NIUA team will provide guidance access of the e - courses on the National Urban Learning Platform (NULP) to the cohort which aggregates more than a thousand of the courses on municipal affairs.