

ANNUAL PROGRESS REPORT 2020-21

ENVIS HUB NAGALAND

(On Status of Environment and Related Issues)



Hosted by:



Nagaland Pollution Control Board
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Government of India
Ministry of Environment, Forests & Climate Change
(EI Division)

Annual Progress Report 2020-21 on Activities of Nagaland ENVIS Hub

1.	Name of Host Organization:	Nagaland Pollution Control Board
2.	Assigned Subject Area:	State of Environment and its Related Issues in Nagaland
3.	Date/Month/Year of establishment of ENVIS Centre:	01/10/2017
4.	Name and designation of ENVIS Coordinator :	Dr. Kenei Miachieo, IFS Member Secretary, Nagaland Pollution Control Board
5.	Has the Host Organization constituted an Advisory Committee for guiding the activities of the Centre?	Yes
	Composition of the Advisory Committee: (Select YES or NO: if YES kindly fill the right column space; if NO kindly leave it blank) o NO	i) Mr. Akangmeren Imchen, Scientist B, NPCB ii) Er. Aghali Swu, Environmental Engineer, NPCB iii) Mr. Puloketo Achumi, Geologist, Geological Survey of India iv) Ms. Mhasizonuo Angami, PO, ENVIS (as member)

6.	Current ENVIS Staff Structure:							
	Name	Position held	Qualification and Experience	Joining Date in ENVIS Centre	Joining Date in current position	2019-20		
						Leaving Date (if applicable)	Emoluments drawn (Rs.)	
							Monthly	Annual
	Ms. Mhasizonuo Angami	Programme Officer	M.Sc Environmental Science & 10 years working experience	01.10. 2017	01.10. 2017	-	46,690.15	5,60,281.80
	Limitsa S. Sangtam	Information Officer	M.Sc (Environmental Science) & 6 years working experience	01.10. 2017	01.10. 2017	-	38,996.97	4,67,963.64
	Khriehunuo Rutsa	IT Officer	M.Sc (Environmental Science) & 6 years working experience	01.10. 2017	01.10. 2017	-	31,539.38	3,78,472.56
	Nannenlo Semy	Data Entry Officer	P.U (Sc) & 2 years working experience	01.06. 2019	01.06. 2019	-	14,641.00	1,75,692.00

7.	<p>Mandate of the Host Organization</p> <ol style="list-style-type: none"> 1. To plan comprehensive programme for the prevention, control or abatement of water and air pollution in the state and to secure the execution thereof; 2. To advise the state Government on any matter concerning the prevention, control or abatement of water and air pollution; 3. To collect and disseminate information relating to water and air pollution, and the prevention, control or abatement thereof; 4. To encourage, conduct and participate in investigation and research relating to problems of water pollution and prevention, control or abatement of water pollution; 5. To collaborate with the central board in organizing the training of persons engaged or to be engaged in programmes relating to prevention, control or abatement of water and air pollution and to organize mass education programmes relating thereof; 6. To inspect sewage or trade effluent, works and plants for the treatment of sewage and trade effluents and to review plans, specifying or other data relating to plants set up for the treatment of water, works for the purification thereof and the system for the disposal of sewage or trade effluents or in connection with the grant of consent as required by the Water Act; 7. To inspect at all reasonable times, any control equipment, industrial plant or manufacturing process and to give, by order, such directions to such persons as it may consider necessary to take steps for the prevention, control or abatement of air pollution in such areas; 8. To lay down, in consultation with the Central Board and having regard to the standards for the quality of air laid down by the central board, standards for emission of air pollutants in the atmosphere from industrial plants and automobiles or for the discharge of any air pollutant into the atmosphere from any other source whatsoever not being a ship or an aircraft; 9. To evolve economical and reliable methods of treatment of sewage and trade effluents having regard to the peculiar conditions of soils, climate and water resources of different regions and more specially the prevailing flow characteristics of water in streams and wells which render it impossible to attain even the minimum degree of 	<p>Mandate of the ENVIS Centre</p> <ol style="list-style-type: none"> 1. Collection and storing local environmental issues/news through various sources. 2. Collection of books, newsletters, pamphlets, write-ups on environmental issues from different agencies. 3. Dissemination of information to government departments, students, libraries, research scholars, NGOs, various other agencies and to the general public. 4. Conducting awareness activities 5. ENVIS Hubs/RPs are driven to be a decision support system (DSS) at all levels of government with new green initiatives of MoEF&CC , such as GSDP, CESVP and NES-GRIDSS.
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	<p>dilution;</p> <ol style="list-style-type: none"> 10. To evolve methods of utilization of sewage and suitable trade effluents in agriculture; 11. To evolve efficient methods of disposal of sewage and trade effluents on land, as are necessary on account of the predominant conditions of scant stream flows that do not provide for major part of the year the minimum degree of dilution; 12. To lay down standards of treatment of sewage and trade effluents to be discharged in any particular stream by taking into account the minimum fair weather dilution available in that stream and the tolerance limits of pollution permissible in the water of the stream, after the discharge of such effluents; 13. To make, vary or revoke any order for prevention, control or abatement of discharge of waste into streams or wells and requiring any person concerned to construct new system for the disposal of sewage and trade effluents or to modify, alter or extent any such existing system or to adopt such remedial measures as are necessary to prevent control or abate water pollution; 14. To lay down effluent standards to be complied with by persons while causing discharge of sewage or sullage or both, and to lay down, modify or annul effluent standard for the sewage and trade effluents; 15. To advice the State Government with respect to the suitability of any premises or location of any industry, which is likely to cause air pollution or likely to pollute a stream or well; 16. To perform such other functions as may be prescribed or as may, from time to time, be entrusted to it by the Central Board or the State Government; and 17. To do such other things and to perform such acts as it may think necessary for the proper discharge of its functions and generally for the purpose of carrying into effect the purpose of the Air Act. 	
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8. Databases

8.1. Catalogue of Non-numeric Databases compiled by the ENVIS Centre till date:

Name of Database	Description (in brief)	Data type (descriptive/ graphical/ geospatial/ etc.)	Status of Updation/ Periodicity/ Data Points Compiled (including date/month/year of last data point)	Source(s) of data	Online Availability (Whether uploaded on ENVIS Website)
News Items	Local Environmental related news are collected and compiled	Descriptive	Whenever such news items are available. Last data point: 26/02/2021	Local Newspaper, TV, Internet, Journals, Newsletters & Research papers, Spot visits.	Yet to receive Website details from the ENVIS secretariat
Photographs	Pictures of environmental related events occurring in the state are covered. Spot visit done wherever possible. Events like seminar, workshops, environmental campaigns, observation of environmental related days organized by the Hub and other agencies/organizations are also documented.	Pictorial	Whenever such events occur. Last data point: 31/03/2021	ENVIS Staff visit places of incidence whenever possible to collect data in the form of write up and pictures. Social media like facebook, whatsapp, etc. are also utilized for acquiring pictures.	-do-
Newsletters/ Journals/ Pamphlets/ Booklets	A number of different newsletters/bulletins are received by the Centre every month from different agencies.	Descriptive	Monthly/Bi-monthly/ Quarterly etc Last data point: 05/02/2021	Government departments and various agencies from within and outside the State	No
Documentation of awareness activities with	Environmentally relevant activities are often conducted with Eco Club	Descriptive/ pictorial	Whenever such events are	Nagaland Pollution Control Board	No

Name of Database	Description (in brief)	Data type (descriptive/ graphical/ geospatial/ etc.)	Status of Updation/ Periodicity/ Data Points Compiled (including date/month/year of last data point)	Source(s) of data	Online Availability (Whether uploaded on ENVIS Website)
school students	registered schools to spread awareness among students and the local inhabitants in and around the schools and such activities are documented.		organized. Last data point: 02/10/2020		

8.2. Numeric and Time-series Databases compiled by the Centre till date:

Name of Database	Description (in brief)	Time Period (Starting year- Ending year) and Periodicity (annual/ monthly/ other)	Source(s) of data	Online Availability (Whether uploaded on ENVIS Website)
Ambient air quality data of Nagaland	Data collected from 4 (four) air monitoring stations in Dimapur (2 stations) and Kohima (2 stations) districts for SO ₂ , NO ₂ and RSPM are compiled. Yearly comparison of data is also done to be used in dissemination of information.	<u>Time Period</u> 2010-till date. <u>Periodicity</u> Monthly	Nagaland Pollution Control Board	ENVIS website details yet to be received from ENVIS secretariat
Water Quality data of Nagaland	Data collected from 28 monitoring stations covering major rivers of Nagaland	<u>Time Period</u> 2010-till date <u>Periodicity</u> : Quarterly	Nagaland Pollution Control Board	-do-
Noise Pollution data	Noise level data collected during festivals such as Deepawali, Christmas and New Year	<u>Time Period</u> : 2010 till date <u>Periodicity</u> : Once a year on the day of the specified festivals	Nagaland Pollution Control Board	-do-
List of Industries and Hospitals	List of Industries and Hospitals operating in the state are also compiled.	<u>Upto 2020-21</u>	Nagaland Pollution Control Board	-do-




Name of Database	Description (in brief)	Time Period (Starting year- Ending year) and Periodicity (annual/ monthly/ other)	Source(s) of data	Online Availability (Whether uploaded on ENVIS Website)
ISBEID	In the process of collection of information from different sources for updating the various modules.	<u>Periodicity:</u> Cannot be specified.	Nagaland Pollution Control Board, various state government departments and agencies	Not yet

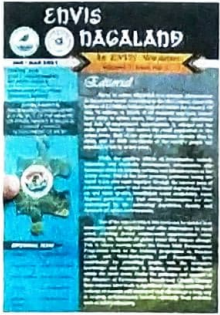
9. ENVIS Website:

Details awaited from the ENVIS Secretariat




10. Information/Knowledge Products:





ENVIS Newsletters published during the Financial Year 2019-20

Cover Photo	Quarter/ Volume/ Issue/ Main Article/ Theme	No of copies printed and circulated	Online Availability
	ENVIS Hub Nagaland Newsletter Vol 4: Issue No. 2 April - June 2018 Content: Generation, handling, management & disposal of covid-19 related bio-medical waste generated in Nagaland.	500	ENVIS website details yet to be received from the ENVIS Secretariat. At present the newsletter is available on the host organization's website Link: https://npcb.nagaland.gov.in/envis-newsletter-vol-4-no-2-april-june-2020/
	ENVIS Hub Nagaland Newsletter Vol 4: Issue No. 3 July - Sept 2018 Content: Pollution abatement of Rivers Dhansiri & Diphu (Chathe), Nagaland	500	Link: https://npcb.nagaland.gov.in/envis-newsletter-vol-4-no-3-july-september-2020/
	ENVIS Hub Nagaland Newsletter Vol 4: Issue No. 4 Oct - Dec 2018 Content: Indoor air pollution and the hazards of burning coal inside homes especially during winters.	500	Link: https://npcb.nagaland.gov.in/envis-newsletter-vol-4-no-4-oct-dec-2020/

	<p>ENVIS Hub Nagaland Newsletter Vol 5: Issue No. 1 Jan - Mar 2020</p> <p>Content: Sustainable livelihoods with emphasis on relevant GSDP courses such as Bamboo Crafts & Wild-Beekeeping & Processing</p>	<p>500</p>	<p>-</p>
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Other publications/ information products brought out during 2019-20

	<p>Posters on Biodiversity</p>	<p>No. of copies printed = 200</p>
	<p>Pamphlet: Blythe's Tragopan</p>	<p>No. of copies printed = 500</p>
	<p>Pamphlet: GSDP course on Wild-beekeeping & Processing</p>	<p>No. of copies printed = 150</p>
	<p>Pamphlet: GSDP course on Bamboo Crafts</p>	<p>No. of copies printed = 150</p>

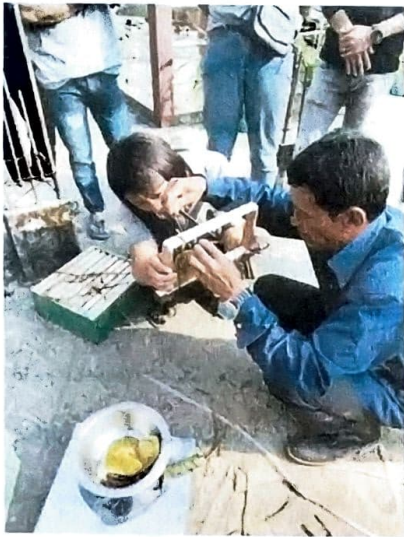
	Pamphlet: GSDP course on Propagation & Management of Bamboo	No. of copies printed = 150
	Pamphlet: GSDP course on Waste Management	No. of copies printed = 150
	A Handbook of Waste Management Rules (Solid Waste, Biomedical Waste, Plastic Waste, E-Waste, Construction & Demolition Waste)	No. of copies printed = 15
	Book: A Compilation of Studies on Waste Management by GSDP Trainees (Volume II)	No. of copies printed = 20

11. Green Skill Development Programme:

Courses Offered	Duration of the Course	Batch Size	Sanctioned Amount	Remarks	No. of self-employed/employed candidates
Waste Management	1 st Feb-30 th March 2021	11	Rs. 12,20,000/-	Completed	0 (just completed in March 2021)
Wild Bee-Keeping & Processing	5 th - 30 th March 2021	30	Rs. 17,30,000/-	Completed	2 (just completed in March 2021)



GSDP Certificate Course on Waste Management conducted during Feb 1- March 30, 2021



GSDP Certificate Course on Wild-beekeeping & Processing conducted during March 5-30, 2021

12. Data Availability Status Under National Environment Survey (NES-GRIDS)

Sl.No	Module	State Data Availability	District Data Availability	Remarks
1.	Administrative	Available	Available	Excel sheets available
2.	Demographic	Available	Available	Excel sheets available
3.	Economic	Available	NA	Data not available for all the sub-modules
4.	Climate & Disaster	Available	Available	Data not available for all the sub-modules
5.	Natural Resources	Available	Available	Data not available for all the sub-modules
6.	Water Resources	Available	NA	District data unavailable.
7.	Ecology	Available	NA	District data unavailable
8.	Infrastructure	Available	Available	Data not available for all the sub-modules
9.	Agriculture	Available	Available	Data not available for all the sub-modules
10.	Animal Husbandry & Fisheries	Available	Available	Data not available for all the sub-modules
11.	Industries & Mining	Available	Available	
12.	Energy-Stock & production	NA	NA	-
13.	Pollution	Available	Available	Excel sheets available
14.	Waste	Available	Available	
15.	Health	NA	NA	-
16.	Heritage & Tourism			
17.	Funds allocated for Environmental Protection, Resource Management & Engagement	NA	NA	-

13. Implementation of Annual Plan of Activities of the Financial Year (2020-21):

Activity/Target	Achievements	Shortfalls if any and reasons therefore
Centre's proposed activity		
1. Repository of Environmental Knowledge		
a. Website related activities	None	Website non-functional. Details awaited from the ENVIS secretariat. ENVIS related information is

		<p>uploaded on the host organization's website under a separate tab.</p> <p>https://npcb.nagaland.gov.in/about-envis/</p>
b. Publication	<p>1. ENVIS Newsletter:</p> <p>As per Annual Action Plan for 2020-21, ENVIS Hub Nagaland published 4 (four) ENVIS Newsletters.</p> <p>2. Pamphlet:</p> <p>i) Pamphlet on Blythe's tragopan, state bird of Nagaland developed during Wildlife Week 2020</p> <p>ii) Pamphlets on the various GSDP courses conducted by the Hub.</p> <p>3. Posters:</p> <p>Posters were developed on the following occasions for spreading awareness:</p> <p>i) World Environment Day 2020 (2 posters on Biodiveristy)</p> <p>ii) International Day of Forests 2021</p> <p>iii) World Water Day 2021</p> <p>4. Others:</p> <p>i) A Handbook of Waste Management Rules (Solid Waste, Biomedical Waste, Plastic Waste, E-Waste, Construction & Demolition Waste)</p> <p>ii) A Compilation of Studies on Waste Management by GSDP Trainees.</p>	
c. ENVIS library	There is no official ENVIS library as of now but the ENVIS Hub collects books, newsletter, journals, articles collected from newspapers, internet, government departments and various other agencies.	Due to space constraints the ENVIS library has not been set up in a proper manner yet.
d. ISBEID	Available data is collected, compiled and uploaded on the portal as and when data is available.	Lack of recorded data with concerned line departments and issues with ISBEID portal which have been communicated to the ENVIS Secretariat along with screenshots

e. Photo Bank	Photos of programmes and events conducted are compiled for record.	Photos will be uploaded on the website as and when website details are received.
f. Development of Educational kits	No specific educational kit has been developed but posters, banners and pamphlets are printed and disbursed for awareness activities.	-
g. Development of mobile apps	No mobile app developed so far	Lack of experts
h. Query-Answer	-	-
2. State of Environment (SoE) Report:	-	-
3. State of Environment Atlas:	-	-
4. Grid Based Decision Support System (GRIDSS):	Kohima District has been selected for taking up of the 1 st phase of NES-GRIDSS in the State.	Data gap from line different line Govt. Departments and other agencies within the state is one of the main issues and drawbacks faced by the Hub.
5. Green Skill Development Programme (GSDP) :	2 (Two) GSDP courses were conducted: i) Waste Management ii) Wild Beekeeping & Processing	-
6. Community-driven Environmentally Sustainable Villages Programme (CESVP)	-	-
7. Monitoring (Ground Truth Verification) of Schemes:	-	Will be conducted as and when directed by the MoEF&CC
8. Extension & Outreach Programmes	Programmes are organized in all eleven (11) districts of Nagaland in collaboration with other departments, agencies and school students for spreading of awareness. Activities such as cleanliness drives, plantation drives, paper recycling workshops and painting competitions are organized with Eco Club students. Environmentally important days	-

	like World Environment Day, World Ozone Day and Wildlife week are also observed. Awareness campaigns regarding use of firecrackers are also carried out during festive season. The ENVIS staff visits the districts and monitors activities during such programmes.	
9. Reaching-out/ Networking Activities	-	-

14. Status of Existing Hardware

	Hardware item	Specification	Sanction Order with Date	Date of procurement
Procured from ENVIS Grant 2017-18	1. Desktop Computers with peripherals and UPS	Desktop PC set i5 processor + keyboard + mouse + UPS 1 kv + speaker + mousepad with windows 10	NPCB/ENVIS/FN-1/812 dated 08.11.2017	14.11.2017
	2. Multifunction printer-cum-copier-cum-fax	Canon G4010		
Procured from ENVIS Grant 2019-20	1. Camera DSLR	Canon EOS 1500D (W) 18-55/55-250 IND 16GB	NPCB/ENVIS/FN-1/675 dated 09.10.2019	11.10.2019
	2. Desktop Computer (2 Nos) with peripherals and UPS	Desktop-3GLGUSU Intel® Pentium ® Silver J5005 CPU@1.50GHz+ keyboard + mouse + UPS 1 kv + mousepad with windows 10 pro	NPCB/ENVIS/FN-1/1121 dated 03.02.2020	07/02/2020
Procured from ENVIS Grant 2020-21	1. Laptop ACER with accessories	Acer Aspire 3 Pure Silver, Windows 10, AMD Ryzen™ 3 3250U, AMD Radeon™ Graphics, 4GB DDR4 memory, 1000 GB HDD	NPCB/ENVIS/FN-1/2653 dated 21/01/2021	12/02/2021
	2. DELL PC with peripherals & UPS	Intel ® core™ i3-10100 CPU @3.60 GHz, 4GB RAM, Windows 10, 64 bit OS		

15. Status of utilization of grant during the financial year 2019-20 as on 31-March-2019 and reasons for shortfalls, if any:

	Head of Expenditure	Sanctioned amount (Rs.)	Actual Expenditure (Rs.)	Reasons for Shortfall/ Excess (if any)
Recurring Annual	Manpower	15,82,409.00	15,82,409.00	-
	Others	4,65,300.00	4,65,300.00	-
	Travel	-	-	-
Non-recurring	-	-	-	-



Coordinator
ENVIS Hub, Nagaland
 (Dr. Kenei Miacheio, IFS)
 ENVIS Coordinator
 ENVIS Hub Nagaland