

ANNUAL PROGRESS REPORT 2021-22

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 2021-22 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 :	Shri. K. Hukato Chishi, 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) ○ 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) Mr. Limitsa S Sangtam, 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	2021-22		
					Leaving Date (if applicable)	Emoluments drawn (Rs.)	
						Monthly	Annual
Mr. Limitsa S Sangtam	Programme Officer	M.Sc Environmental Science & 7 years working experience	01.10.2017	29.07.2021	-	46,690.15	5,60,281.80
Khriehunuo Rutsa	Information Officer	M.Sc (Environmental Science) & 7 years working experience	01.10.2017	29.07.2021	-	38,996.97	4,67,963.64
Nannenlo Semy	IT Officer	P.U (Sc) & Diploma in IT & 3 years working experience	01.06.2019	29.07.2021	-	31,539.38	3,78,472.56
Ithika A Swu	Data Entry Officer	12 Pass & 1 year experience	29.07.2021	29.07.2021	-	14,641.00	1,75,692.00

7.	Mandate of the Host Organization	Mandate of the ENVIS Centre
	<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 	<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.

	<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; and17. 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 (<i>in brief</i>)	Data type (<i>descriptive/ graphical/ geospatial/ etc.</i>)	Status of Updation/ Periodicity/ Data Points Compiled (<i>including date/month/yea r of last data point</i>)	Source(s) of data	Online Availability (<i>Whether uploaded on ENVIS Website</i>)
News Items	Local Environmental related news is collected and compiled	Descriptive	Whenever such news items are available. Last data point: 30/03/2022	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: 31/03/2022	ENVIS Staff visit places of incidence whenever possible to collect data in the form of write up and pictures. Social media like twitter, instagram, 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: 07/02/2022	Government departments and various agencies from within and outside the State	Yes
Documentation of awareness	Environmentally relevant activities are often	Descriptive/ pictorial	Whenever such events	Nagaland Pollution	Yes

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)
activities with school students	conducted with Eco Club registered schools to spread awareness among students and the local inhabitants in and around the schools and such activities are documented.		are organized. Last data point: 02/03/2022	Control Board	

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 11 (eleven) air monitoring stations in Dimapur (7 stations) and Kohima (4 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, however, the details are uploaded in NPCB website (npcb.nagaland.gov.in)
Water Quality data of Nagaland	Data collected from 28 monitoring stations covering major rivers of Nagaland	<u>Time Period</u> 2010-till 2021	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	<u>Upto 2020-21</u>	Nagaland Pollution	-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)
	the state are also compiled.		Control Board	
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 2021-22

Cover Photo	Quarter/ Volume/ Issue/ Main Article/ Theme	No of copies printed and circulated	Online Availability
	ENVIS Hub Nagaland Newsletter Vol 5: Issue No. 2 April - June 2021 Content: Conservation & Management of Doyang Reservoir Wetland in Wokha District of 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/wp-content/uploads/newsletter-2.pdf
	ENVIS Hub Nagaland Newsletter Vol 5: Issue No. 3 July - Sept 2021 Content: Shade coffee plantation a possible alternative to reduce shifting cultivation increasing carbon sink area in Dimapur	500	Link: https://npcb.nagaland.gov.in/wp-content/uploads/July-Sept.pdf

	<p>ENVIS Hub Nagaland Newsletter Vol 5: Issue No. 4 Oct - Dec 2021</p> <p>Content: Deforestation, Causes and Impacts of Deforestation in Nagaland.</p>	<p>500</p>	<p>Link: https://npcb.nagaland.gov.in/wp-content/uploads/Oct-Dec-2021.pdf</p>
	<p>ENVIS Hub Nagaland Newsletter Vol 6: Issue No. 1 Jan - Mar 2022</p> <p>Content:Green Skills courses undertaken by ENVIS Hub Nagaland.</p> <ol style="list-style-type: none"> 1. Wild Beekeeping and Processing. 2. Bamboo Crafts. 	<p>500</p>	<p>Link: https://npcb.nagaland.gov.in/wp-content/uploads/ENVIS-newsletter-Jan-mar.pdf</p>

Other publications/ information products brought out during 2021-22

	<p>Posters on World Earth Day 2021</p>	<p>Online mode</p>
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 <p>International Day -for- BIOLOGICAL DIVERSITY 22 May 2021 "We're part of the solution" @BiodivIndia</p>	<p>Posters on International Day of Biological Diversity 2021</p>	<p>Online Mode</p>
 <p>WORLD ENVIRONMENT DAY 5 June 2021 "Ecosystems sustain the diversity of organisms that have shaped us, sustain the production and development of our societies, and provide us with the natural resources we need to survive."</p>	<p>Posters on World Environment Day 2021</p>	<p>No. of copies printed = 150</p>
 <p>Global Wind Day June 15, 2021 "Global Wind Day is dedicated to spread the awareness and encourage the use of wind as a form of green and renewable source of energy." Do you think the central government has set a target of producing 100 GW of renewable energy by 2020?</p>	<p>Poster on Global Wind Day 2021</p>	<p>Online mode</p>
 <p>WORLD MIGRATORY BIRD DAY 8 Mar & 9 Oct 2021 "Sing, Fly, Soar - Like a Bird"</p>	<p>Poster on World Migratory Bird Day 2021</p>	<p>Online Mode</p>
 <p>Desertification & Drought Day 17th June 2021 "THREAT RESTORATION, LAND RECOVERY" "We shall not be moved and we shall not be defeated." "The UN Convention to Combat Desertification and Drought was signed by 109 countries and 120 heads of state."</p>	<p>Posters on World Desertification and Drought Day 2021</p>	<p>Online Mode</p>
 <p>WORLD POPULATION DAY 11 July 2021 "Theme - Rights and choices are the answer" "Whether they prefer to limit the solution to population growth, focus on a prioritizing the reproductive health and rights of all people"</p>	<p>Poster on World Population Day 2021</p>	<p>Online Mode</p>

	<p>Poster and Pamphlets on World Ozone Day 2021</p>	<p>No. of copies printed = 375</p>
	<p>Poster on Global Hand Washing Day 2021</p>	<p>Online mode</p>
	<p>Poster on International Mountain Day 2021</p>	<p>Online mode</p>
	<p>Poster on National Pollution Control Day 2021</p>	<p>Online Mode</p>
	<p>Pamphlets on World Soil Day 2021</p>	<p>No. of Copies Printed= 375</p>
	<p>Posters and Pamphlets on World Wetlands Day 2022</p>	<p>No. of Copies Printed= 375</p>

	<p>Poster and Pamphlets for International Day of Forests 2022</p>	<p>No. of Copies Printed= 375</p>
	<p>Poster and Pamphlets for World Water Day 2022</p>	<p>No. of Copies Printed= 375</p>
	<p>Pamphlets on International Tiger Day 2021</p>	<p>No. of Copies Printed= 325</p>
	<p>Pamphlets on World Elephant Day 2021</p>	<p>No. of Copies Printed= 375</p>
	<p>Pamphlets on Various GSDP Course conducted by ENVIS Hub Nagaland</p>	<p>No. of Copies Printed= 100</p>
	<p>Special Publication on Bamboo Handicrafts (2021-22)</p>	<p>No. of Copies Printed=40</p>

11. Green Skill Development Programme:

Courses Offered	Duration of the Course	Batch Size	Sanctioned Amount	Remarks	No. of self-employed/employed candidates
Wild Beekeeping and Processing	16 th November 2021-15 th December 2021	30	Rs. 17,70,000/-	Completed	12
Bamboo Crafts	28 th January 2022-30 th March 2022	15	Rs. 18,85,000/-	Completed	6



Shri. Bendangmoa Yim, Resource person delivering lecture



Shri Longkhangba, Resource person delivering lecture



Trainees undergoing theory session





Demonstration of transferring honey bees from tradition bee box to scientific bee box



GSDP Certificate Course on Wild Beekeeping and Processing conducted during November 16th – December 15th 2021







GSDP Certificate Course on Bamboo Crafts conducted during January 28th – March 30th 2022

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

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 Available till 2021
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 (2021-22):

Activity/Target	Achievements	Shortfalls if any and reasons therefore
Centre's proposed activity		
1. Repository of Environmental Knowledge		
a. Website related activities	None	<p>Website non-functional. Details awaited from the ENVIS secretariat. ENVIS related information is 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: As per Annual Action Plan for 2021-22, ENVIS Hub Nagaland published 4 (four) ENVIS Newsletters.</p> <p>2. Pamphlet:</p> <ul style="list-style-type: none"> i) International Tiger Day 2021 ii) World Elephant Day 2021 iii) World Ozone Day 2021 iv) World Soil Day 2021 v) World Wetlands Day 2022 vi) International Day of Forests 2022 vii) World Water Day 2022 viii) Pamphlets on the various GSDP courses conducted by the Hub. <p>3. Posters: Posters were developed on the following occasions for spreading awareness:</p> <ul style="list-style-type: none"> i) World Earth Day 2021 ii) International Day for Biological Diversity 2021 iii) World Environment Day 2021 iv) Global Wind Day 2021 v) World Migratory Bird Day 2021 vi) World Desertification and Drought Day 2021 vii) World Population Day 2021 viii) World Ozone Day 2021 	

	ix) Global hand Washing Day x) International Mountain Day 2021 xi) National Pollution Control Day 2021 xii) World Wetlands Day 2022 xiii) International Day of Forests 2022 xiv) World Water Day 2022 4. Others: i) A Handbook on Project Report of Bamboo Handicrafts (2021-22)	
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	ENVIS Nagaland mobile app developed on March 2022.	Yet to launch
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) Wild Beekeeping & Processing ii) Bamboo Crafts	-
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 districts of Nagaland in collaboration with other departments, agencies and school students for spreading of awareness. Activities such as cleanliness drives, plantation drives are organized with the school and college eco clubs. Environmentally important days like World Environment Day, World Ozone Day, World Wetlands Day and Wildlife week are also observed. 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

20	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 2021-22 as on 31-March-2022 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	1,50,000	1,50,000	-
Non-recurring	-	-	-	-


 (K. Hukato Chishi, IFS)
 ENVIS Coordinator
 ENVIS Hub Nagaland
 &
 Member Secretary
 Nagaland Pollution Control Board