

ANNUAL PROGRESS REPORT 2022-23

EIACP PC 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
(EIACP Division)

Annual Progress Report 2022-23 on Activities of Nagaland EIACP PC-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) Ms. Khriehunuo Rutsa, PO, EIACP (as member) |

| 6. Current EIACP 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 |
| Khriehunuo Rutsa | Programme Officer | M.Sc Environmental Science & 8 years of working experience | 01.10.2017 | 01.04.2022 | - | 50,000 | 6,00,000 |
| Lashikali Chishi | Information Officer | MSW Medical Psychiatry & 1 year working experience | 01.04.2022 | 01.04.2022 | - | 42,000 | 5,04,000 |
| Nannenlo Semy | IT Officer | P.U (Sc) & Diploma in IT & 4 years working experience | 01.06.2019 | 29.07.2021 | - | 34,000 | 4,08,000 |
| Ithika A Swu | Data Entry Officer | 12 Pass & 2 years experience | 29.07.2021 | 29.07.2021 | - | 16,000 | 1,92,000 |

| 7. | Mandate of the Host Organization | Mandate of the EIACP Centre |
|----|--|--|
| | <ol style="list-style-type: none"> 1. To plan a 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 dilution; | <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. EIACP 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. 6. To nurture green, sustainable and inclusive workforce in order to enhance both living and environmental standards while fostering gainful and self-employment of youth. 7. To conduct skilling courses not only in traditional areas but also in new emerging areas like electric vehicles, hazardous waste/Biomedical waste etc. considering their future scope, requirements and prospects. 8. To be involved in the Mission LiFE (Lifestyle for Environment) being conceptualized by the Ministry. 9. To facilitate technical and environmentally conscious industrial participation focused on sustainable development. 10. To develop national and international collaboration for knowledge exchange and skilling and facilitate attainment of the SDGs. 11. To aid sustainable livelihoods of the tribal population, especially in NER based on traditional knowledge and crafts. 12. To facilitate informed decisions and policy-making by catering to the demand for research, innovation and data on emerging issues related to the environment. 13. To facilitate the transition to environmentally conscious futuristic citizens including awareness among the public/communities on environment-related issues. <p>Mission LiFE:</p> <p>Mission LiFE pioneered by India, would be the driver for sustainable and climate-friendly lifestyles. It aims to create a coalition of pro-planet people and a mass movement for sustainable lifestyles. MoEF&CC would develop a programme of action to establish the</p> |

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 advise 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.

leadership of the Government of India on Sustainable Lifestyles. Programme Centres will be actively involved in the implementation of activities/action plan of Mission LiFE.

Target Beneficiaries:

- Youth and students keen to pursue a career in the environmental sector
- Budding entrepreneurs, and working professionals including those in industrial sector, scientific and technical institutions and International Organizations
- Tribal population and NER
- Line Departments/ Ministries (including MoEF&CC) and their autonomous bodies, research scholars and academic organizations/institutions
- General public/communities

8. Databases

8.1. Catalogue of Non-numeric Databases compiled by the EIACP 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/yea r of last data point) | Source(s) of data | Online Availability (Whether uploaded on EIACP Website) |
|---|---|--|---|--|--|
| News Items | Local Environmental related news is collected and compiled | Descriptive | Whenever such news items are available. Last data point: 30/03/2023 | Local Newspapers, TV, Internet, Journals, Newsletters & Research papers, Spot visits. | Yet to receive Website details from the EIACP 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: 22/03/2023 | EIACP 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: 30/03/2023 | 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/yea r of last data point) | Source(s) of data | Online Availability (Whether uploaded on EIACP 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: 22/03/2022 | 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 EIACP 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 | EIACP website details yet to be received from EIACP 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 2022-23</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 EIACP 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. EIACP Website:

Details awaited from the EIACP Secretariat

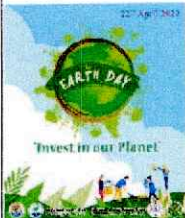


10. Information/Knowledge Products:

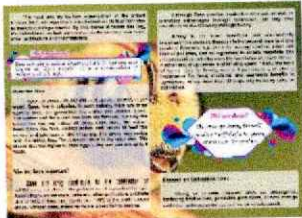




ENVIS Newsletters published during the Financial Year 2022-23

| Cover Photo | Quarter/ Volume/ Issue/ Main Article/ Theme | No of copies printed and circulated | Online Availability |
|---|--|---|--|
|  | EIACP PC- Hub Nagaland Newsletter Vol 6: Issue No. 2 April - June 2022 Content: Environmental awareness on World Environment Day celebration in different parts of Nagaland | 500 | EIACP website details are yet to be received from the EIACP Secretariat. At present the newsletter is available on the host organization's website Link: https://npcb.nagaland.gov.in/?p=1461 |
|  | EIACP PC- Hub Nagaland Newsletter Vol 6: Issue No. 3 July - Sept 2022 Content: Awareness of Single Use Plastics and their alternatives | 500 | Link: https://npcb.nagaland.gov.in/?p=1561 |

| | | | |
|--|--|------------|--|
|  | <p>EIACP PC- Hub Nagaland Newsletter Vol 6: Issue No. 4 Oct - Dec 2022</p> <p>Content: Awareness Campaign on Single Use Plastic (SUP) by the Nagaland Pollution Control Board</p> | <p>500</p> | <p>Link: https://npcb.nagaland.gov.in/?p=1639</p> |
|  | <p>ENVIS Hub Nagaland Newsletter Vol 7: Issue No. 1 Jan - Mar 2023</p> <p>Content: Ambient Air Quality report of Kohima and Dimapur City in Nagaland state for the year 2022 along with a 4-year comparison report.</p> | <p>500</p> | <p>Link: https://npcb.nagaland.gov.in/?p=1710</p> |



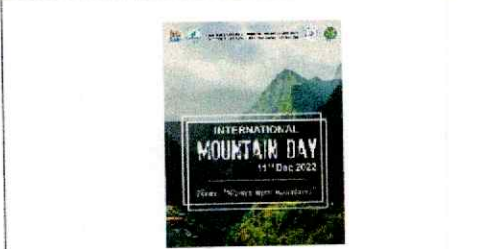
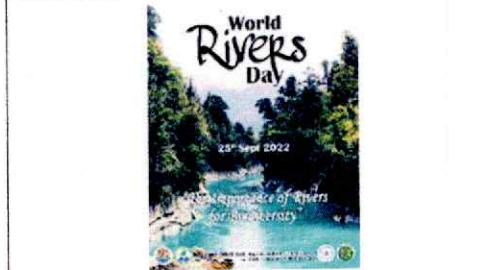


Other publications/ information products brought out during 2022-23


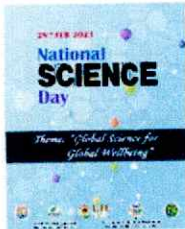


| | | |
|---|--|----------------------------------|
|   | <p>Poster and Pamphlet on World Earth Day 2022</p> | <p>No Copies printed = 250</p> |
|  | <p>Poster and Pamphlet on World Bee Day 2022</p> | <p>No of copies printed -150</p> |






| | | |
|---|---|-----------------------------------|
|  | | |
|  | <p>Poster on World Migratory Bird Day 2022</p> | <p>Online Mode</p> |
|  | <p>Poster on International Day of Biological Diversity 2022</p> | <p>Online Mode</p> |
|  | <p>Poster and pamphlet on World Environment Day 2022</p> | <p>No of copies printed - 300</p> |
|  | <p>Poster on Global Wind Day 2022</p> | <p>Online mode</p> |



| | | |
|---|--|-----------------------------------|
|  | <p>Poster and Pamphlet on World Desertification and Drought Day 2022</p> | <p>No of copies printed - 150</p> |
|  | <p>Poster and Pamphlet on World Population Day 2022</p> | <p>No of copies printed - 100</p> |
|  | <p>Poster and Pamphlet on International day for Preservation of the Ozone layer 2022</p> | <p>No of copies printed - 250</p> |
|  | <p>Poster and Pamphlet on World Migratory Bird Day 2022</p> | <p>No of copies printed - 150</p> |

| | | |
|---|--|-----------------------------|
|  | Posters on World Elephant Day 2022 | No of Printed copies-150 |
|  | Poster and Pamphlet on World Migratory Bird Day 2022 | No. of copies printed-150 |
|  | Poster and Pamphlets on World Wildlife Week 2022 | No. of copies printed = 150 |
|  | Poster and Pamphlet on World Toilet Day 2022 | No. of Copies printed - 100 |
|  | Poster on World Wildlife Conservation Day 2022 | Online mode |

| | | |
|---|---|----------------------------|
|  | Poster and Pamphlet on National Birds Day 2022 | No of copies= 100 |
|  | Poster and Pamphlet on World Soil Day 2022 | No. of Copies Printed= 100 |
|  | Posters on International Mountain Day 2022 | Online Mode |
|  | Poster on World Rivers Day 2022 | Online Mode |
|  | Poster on Global Handwashing Day 2022 | Online Mode |
|  | Poster on National energy Conservation Day 2022 | Online Mode |

| | | |
|---|---|-----------------------------------|
|  | <p>Infographic pamphlet on Monkey Pox 2022</p> | <p>Online Mode</p> |
|  | <p>Poster on National Science Day 2023</p> | <p>Online Mode</p> |
|  | <p>Poster and Pamphlet on National Cleanliness Day 2023</p> | <p>No of Copies printed = 200</p> |
|  | <p>Poster and Pamphlet on World Wetlands Day 2023</p> | <p>No of copies printed = 150</p> |

| | | |
|---|---|----------------------------|
|  | Poster and Pamphlet for International Day of Action for Rivers 2023 | No. of Copies Printed= 100 |
|  | Poster on Global Recycling Day 2023 | Online Mode |
|  | Poster and Pamphlet on World Sparrow Day 2023 | No. of Copies Printed= 100 |
|  | Poster and Pamphlet on World Forestry Day 2023 | No. of Copies Printed= 150 |
|  | Poster and Pamphlet on World Wildlife Day 2023 | No of Copies printed = 300 |

| | | |
|---|--|-----------------------------------|
|  | <p>Poster and Pamphlet on World Water Day 2023</p> | <p>No of copies printed - 150</p> |
|  | <p>Poster on World Meteorological Day 2023</p> | <p>Online Mode</p> |

11. 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 | - |

12. Implementation of Annual Plan of Activities of the Financial Year (2022-23):

| 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 EIACP secretariat. EIACP related information is uploaded on the host organization's website under a separate tab. |
| b. Publication | <p>1. EIACP Newsletter:</p> <p>As per Annual Action Plan for 2022-23, EIACP Hub Nagaland Published 4(four) EIACP Newsletters.</p> <p>2. Pamphlets:</p> <ol style="list-style-type: none"> i. World Earth Day 2022 ii. World Bee Day 2022 iii. World Environment Day 2022 iv. World Day to Combat Desertification and Drought 2022 v. World Population Day 2022 vi. International Tiger Day 2022 vii. World Elephant Day 2022 viii. International Day for the Preservation of the Ozone Layer 2022 ix. World Wildlife Week 2022 x. World Migratory Bird Day 2022 xi. National Birds Day 2022 xii. World toilet Day 2022 xiii. World Soil Day 2022 xiv. National Cleanliness Day 2023 xv. World Wetlands Day 2023 xvi. World Wildlife Day 2023 xvii. International Day of Action for Rivers 2023 xviii. World Sparrow Day 2023 xix. World Forestry Day 2023 xx. World Water Day 2023 xxi. Infographic Pamphlet on Monkey pox | |

1. Posters:

Posters were developed on the following occasions for spreading awareness:

- i. Earth Day 2022
- ii. World Migratory Bird Day 2022
- iii. World Bee Day 2022
- iv. International Day for Biological Diversity 2022
- v. World Environment Day 2022
- vi. Global wind Day 2022
- vii. World Day to Combat Desertification and Drought 2022
- viii. World Population Day 2022
- ix. International Tiger Day 2022
- x. World Elephant Day 2022
- xi. International Day for the Preservation of Ozone Layer 2022.
- xii. World Rivers Day 2022
- xiii. World Wildlife Week 2022
- xiv. World Migratory Bird Day 2022
- xv. Global Handwashing Day 2022
- xvi. National Birds Day 2022
- xvii. World Toilet Day 2022
- xviii. World Wildlife Conservation Day 2022
- xix. World Soil Day 2022
- xx. International Mountain Day 2022
- xxi. National Energy Conservation Day 2022
- xxii. World Cleanliness Day 2023
- xxiii. World Wetlands Day 2023
- xxiv. National Science Day

| | | |
|--|--|---|
| 5. Green Skill Development Programme (GSDP): | - | - |
| 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 EIACP 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- | 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 | | |
| Procured from EIACP Grant 2022-23 | 1. Air Conditioner | Godrej 1.5 TON, GDGIC18TTC3-WA | NPCB/EIACP/4171 dated 06/03/2023 | 09/02/2023 |
| | 2. Printer | Epson L6270 XAUT009881 | NPCB/EIACP/4172 dated 06/03/2023 | 13/02/2023 |

15. Status of utilization of grant during the financial year 2022-23 as on 31-March-2023 and reasons for shortfalls, if any:

| | Head of Expenditure | Sanctioned amount (Rs.) | Actual Expenditure (Rs.) | Reasons for Shortfall/ Excess (if any) |
|------------------|---------------------|-------------------------|--------------------------|--|
| Recurring Annual | Manpower | 16,81,370.75 | 16,81,370.75 | - |
| | Others | 5,00,000 | 5,00,000 | - |
| | Travel | 2,00,000 | 2,00,000 | - |
| Non-recurring | - | - | - | - |


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