**CLIMATE CHANGE & HUMAN HEALTH**

**NATIONAL HEALTH MISSION**

**GOVERNMENT OF MIZORAM**

**PROGRAMME IMPLEMENTATION PLAN FOR 2021-22**

The current pandemic of COVID-19 has brought to the fore the challenge of Zoonotic infections and the devastating effects ensuing pandemic can have on human society. Experts have warned that with the adverse impacts of climate change being felt on an ever-increasing scale, pandemics of similar kind may become more frequent in the future due to the effect of precipitation and temperature on organisms contributing to diseases. While the potential of climate change in derailing past gains in public health stands uncontested, what is more unclear is how do we go about explaining climate-health causations and provide practical on-the-ground solutions to mitigate them.

Government of India has been progressive in lending a human health angle to the climate change dialogue. The National Programme for Climate Change & Human Health (NPCCHH) has been rolled out as one of the health programmes under National Health Mission from FY2020-21. Government of Mizoram envisages rolling out the programme in phased manner. In the first year of implementation, i.e., 2020-21, 2 (two) districts were selected - Mamit (aspirational district) and Aizawl East district. In FY2021-22, 2 (two) additional districts of Siaha and Serchhip are selected for implementation.

In the first year of implementation, the following activities are proposed to be taken up with the following objectives:

1. To increase the level of awareness regarding the impact of climate change on human health with the aim of integrating climate friendly lifestyles and adaptation mechanism among the general public
2. To establish a knowledge base to improve upon our heat- and air pollution- related action plans by undertaking surveillance
3. To undertake a rigorous situational analysis regarding local need for climate change adaptation planning

The programme is proposed to be implemented in a phase-wise manner. There are 9 health districts in Mizoram. In the first year, we plan to roll-out the programme in 2 health districts -

1. *Aizawl East (FY2020-21)*
2. *Mamit (FY2020-21)*
3. Serchhip - FY2021-22
4. Siaha - FY2021-22

***Activities proposed are as follows***:

**1. FMR 3.3.3.3. One-day Sensitization on Climate Sensitive Illnesses:**

134 VHSNCs are identified across 2 districts of Siaha & Serchhip. A One-day sensitization on Climate sensitive illnesses has to be conducted with all VHSNCs and other vulnerable communities (women, children, occupationally exposed, etc.) in all blocks of the selected districts.

1 VHSNC member (excluding ASHA member) will be trained. Trainings will be conducted at district headquarters.

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| **S. No** | **Name of District** | **Total no. of VHSNCs** | **No. of trainings** | **Unit cost in**  **Rs.** | **Total cost in Rs.** |
| 1 | Serchhip | 42 | 1 | 2500 | 1,05,000 |
| 2 | Siaha | 92 | 2 | 2500 | 2,30,000 |
| **Total** | | **134** |  |  | 3,35,000 |

***Rupees Three lakhs & Thirty-Five thousand only***

**2. FMR 9.5.29.8 - Trainings on Climate Change & Human Health**

The following capacity building activities are proposed to be undertaken under this FMR:

**I. District level training on Climate Change of Health workers (2 days) at the district and the block level**: In this training, two health worker(s) - 1 Health & Wellness Officer & 1 Male or Female Health Worker from each Sub-Centres in the selected districts will be imparted training so that he/she will be able to train the communities further.

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| **S. No** | **Name of District** | **Total no. of Sub-Centres/Clinics** | **Unit cost in Rs. per district** | **Total cost in Rs.** |
| 1 | Serchhip | 27 | 3000 | 1,62,000 |
| 2 | Siaha | 24 | 3000 | 1,44,000 |
| **Total** | | **51** |  | **3,06,000** |

***Rupees Three lakhs & Six thousand only***

**II. District level training on Climate Sensitive diseases of district level** - medical officers & programme officers in each district (3 - days). In this training on Climate change and human health, medical officers posted at PHCs, CHCs, SDHs, DHs & programme officers will be targeted for training.

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| **S. No** | **Name of District** | **Total no. of Medical Officers to be trained** | **Unit cost in Rs. per district** | **Total cost in Rs.** |
| 1 | Serchhip | 7 (5PHCs, 1CHC & 1 DH) | 8,500 | 59,500 |
| 2 | Siaha | 5 (4 PHCs & 1 DH) | 8,500 | 42,500 |
| **Total** | |  |  | **1,02,000** |

***Rupees One lakh & Two thousand only***

**16.1.2.1.23 State level task force meeting with invited experts regarding state action plan**: It is proposed that State level task force meeting be held at least twice during the financial year to discuss elements related to State Action Plan @ Rs. 3,500 per meeting. 2 meetings are projected with a total cost of Rs. 7,000 only.

**16.1.2.1.24** Sensitization workshop/meeting of the State Program Officers and District Level Health Officers.

One meeting/workshop may be held @ Rs. 25,000 per meeting

**3. Other printing activities**

**FMR 12.17.3 Printing of training material**

In the following table, the recommended number of printings to be done has been highlighted.

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| **S. No** | **Training module** | **Cadre** | **Pages** |
| 1 | State Action Plan Climate Change (Operational Training) | State and District Nodal Officer Climate Change (SNO & DNO-CC) | 200 |
| 2 | Climate Change and Health: Training module for Medical Officers | Medical Officers | 1000 |
| 3 | Climate Change and Health: Training module for Paramedics | Paramedics | 350 |
| 4 | Climate Change and Health: Community level Training module for Women | Community women | Module + flipchart (56+36) |
| 5. | Climate Change and Health: Community level Training module for Children | Community children | Module + flipchart (74+30) |
| 6. | Climate Change and Health: Community level Training module for Municipality | Municipality | Module + flipchart |
| 7. | Climate Change and Health: Community level Training module for Traffic police | Traffic police | Module + flipchart |

A total of 248 copies of training materials are required. Printing can be roughly assumed to cost an average of Rs. 500 per copy given the number of pages.

The total cost for printing is Rs. 1,24,000/- only (Rupees One lakh & Twenty-Four thousand only)

**FMR 11.24.4.4: IEC on Climate Sensitive Diseases at Block District and State Level - Air Pollution, Health and other relevant Climate Sensitive Diseases**

IEC activities may be carried out at State, District and facilities level covering 4 (four) districts covered so far.

Cost of IEC may be covered from other programmes such as IEC under Health & Wellness Centres - observation of days.

**FMR 10.2.14 :Vulnerability Need Assessment (VNA) related to Climate Change and Health**

Proposed Vulnerability Need Assessment (VNA) related to Climate Change & Health @ Rs. 10,00,000/- (Ten Lakhs Only)

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| **Proposal for implementation of Climate Change & Human Health Programme - PIP 2019-20 - NCD Pool** | | | | | | | | | | | |
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| **S.No** | **FMR** | **Particulars** | **Unit Cost in Rs.** | **Quantity/ Target** | **No. of Units for State** | **No. of Units for Serchhip district** | **No. of Units for Siaha district** | **Amount proposed in Rs. for state** | **Amount proposed in Rs. for Serchhip** | **Amount proposed in Rs. for Siaha district** | **Total** |
| 1 | 3.3.3.3 | Training of Panchayat Raj Institutions (PRIs) under National Program for Climate Change and Human Health (NPCCHH) | ₹ 2,500 | 134 | 0 | 42 | 92 | ₹ - | ₹ 1,05,000.00 | ₹ 2,30,000.00 | ₹ 3,35,000.00 |
| 2 | 9.5.29.8 | District level training on Climate Change of Health workers (3 days) at the district and the block level | ₹ 3,000 | 102 | 0 | 54 | 48 | ₹ - | ₹ 1,62,000.00 | ₹ 1,44,000.00 | ₹ 3,06,000.00 |
| 3 | 9.5.29.8 | District level training on Climate Sensitive diseases of district level - medical officers & programme officers in each district (3 days) | ₹ 8,500 | 12 | 0 | 7 | 5 | ₹ - | ₹ 59,500.00 | ₹ 42,500.00 | ₹ 1,02,000.00 |
| 4 | 16.1.2.1.23 | State level task force meeting with invited experts regarding state action plan | ₹ 7,000 | 1 | 1 | 0 | 0 | ₹ 7,000.00 | ₹ - | ₹ - | ₹ 7,000.00 |
| 5 | 16.1.2.1.24 | Sensitization Workshop/Meeting of State Program Officers and District level health officers | ₹ 25,000 | 1 | 1 | 0 | 0 | ₹ 25,000.00 | ₹ - | ₹ - | ₹ 25,000.00 |
| 6 | 12.17.3 | Printing of training materials | ₹ 500 | 248 |  |  |  | ₹ 1,24,000.00 |  |  | ₹ 1,24,000.00 |
| 7 | 10.2.14 | Vulnerability Need Assessment (VNA) related to Climate Change and Health | - | - | - | - | - | 10,00,000 | - | - | 10,00,000 |
|  |  |  |  |  |  |  |  |  |  |  | **₹ 18,99,000.00** |