

Template/Pro forma for Submission

NMHS-Himalayan Institutional Project Grant

NMHS-FINAL TECHNICAL REPORT (FTR)

Demand-Driven Action Research and Demonstrations

NMHS Reference No.:	NMHS/ 2017/ Him – NLC – 03/ Manipur
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Date of Submission:							
	d	d	m	m	y	y	y

PROJECT TITLE (IN CAPITAL)

NMHS HIM – NATURE LEARNING CENTRE (NLC) - MANIPUR

Project Duration: from(22.12.2017)to(31.03.2021) (extension)**Submitted to:**

Er. Kireet Kumar
 Scientist 'G' and Nodal Officer, NMHS-PMU
 National Mission on Himalayan Studies, GBP NIHE HQs
 Ministry of Environment, Forest & Climate Change (MoEF&CC), New Delhi
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Submitted by:

SoreiphyVashum, IFS
 APCCF (APM) Cm PI of NMHS Project
 Forest Department, Government of Manipur
 [Contact No.:]
 [E-mail:]

GENERAL INSTRUCTIONS:

1. The Final Technical Report (FTR) has to commence from the date of start of the Project (as per the Sanction Order issued at the start of the project) till its completion. Each detail has to comply with the NMHS Sanction Order.
2. The FTR should be neatly typed (in Arial with font size 11 with 1.5 spacing between the lines) with all details as per the enclosed format for direct reproduction by photo-offset process. Colored Photographs (4-5 good action photographs), tables and graphs should be accommodated within the report or should be annexed with captions. Sketches and diagrammatic illustrations may also be given giving step-by-step details about the methodology followed in technology development/modulation, transfer and training. Any correction or rewriting should be avoided. Please give information under each head in serial order.
3. Training/ Capacity Building Manuals (with details contents of training programme technical details and techniques involved) or any such display material related to project activities along with slides, charts, photographs should be brought at the venue of the Annual Monitoring & Evaluation (M&E) Workshop and sent at the NMHS-PMU, GBP NIHE HQs, Kosi-Katarmal, Almora 263643, Uttarakhand. In all Knowledge Products, the Grant/ Fund support of the NMHS should be duly acknowledged.
4. The FTR Format is in sync with many other essential requirements and norms desired by the Govt. of India time to time, so each section of the NMHS-FTR needs to be duly filled by the proponent and verified by the Head of the Lead Implementing Organization/ Institution/ University.
5. Five (5) bound hard copies of the Project Final Technical Report (FTR) and a soft copy should be submitted to the **Nodal Officer, NMHS-PMU, GBP NIHE HQs, Kosi-Katarmal, Almora, Uttarakhand.**

The FTR is to be submitted into following two parts:

Part A–Project Summary Report

Part B–Project Detailed Report

Following Financial and other necessary documents/certificates need to be submitted along with Final Technical Report (FTR):

Annexure I	Consolidated and Audited Utilization Certificate (UC) & Statement of Expenditure (SE) , including interest earned for the last Fiscal year including the duly filled GFR-19A (with year-wise break-up)
Annexure II	Consolidated Interest Earned Certificate
Annexure III	Consolidated Assets Certificate showing the cost of the equipment in Foreign and Indian currency, Date of Purchase, etc. (with break-up as per the NMHS Sanction Order and year wise).
Annexure IV	List of all the equipment, assets and peripherals purchased through the NMHS grant with current status of use including location of deployment.
Annexure V	Letter of Head of Institution/Department confirming Transfer of Equipment Purchased under the Project to the Institution/Department
Annexure VI	Details, Declaration and Refund of any Unspent Balance transferred through Real-Time Gross System (RTGS) in favor of NMHS GIA General

NMHS-Final Technical Report (FTR) template

Demand-Driven Action Research Project

DSL: Date of Sanction Letter

2	2	1	2	2	0	1	7
d	d	m	m	y	y	y	y

DPC:Date of Project Completion

3	1	0	3	2	0	2	1
d	d	m	m	y	y	y	y

Part A: Project Summary Report

1. Project Description

i.	Project Reference No.	NMHS/ 2017/ Him – NLC – 03/ Manipur					
ii.	Type of Project	Small Grant		Medium Grant	✓	Large Grant	
iii.	Project Title	NMHS Him – Nature Learning Centre (NLC) - Manipur					
iv.	State under which Project is Sanctioned	Manipur					
v.	Project Sites (IHR States covered) (Maps to be attached)	NLC Project site is established in Mantripukhri Forest Complex, Imphal, with a State of Art Nature Museum, Interpretation Centre and a small Hi-Tech Training cum Conference Room. The entire facility has been supported with Uninterrupted Green Power supply i.e. Solar System of 20 KVA.					
vi.	Scale of Project Operation	Local	✓	Regional		Pan-Himalayan	
vii.	Total Budget/ Outlay of the Project	<p>Sanction amount</p> <ul style="list-style-type: none"> 1st year: Rs. 1,84,70,000.00 2nd year: Rs. 39,93,982.00 + 5,56,018.00 (Interest) = Rs. 45,50,000.00 3rd year: Rs. 39,98,196.00 + 37,403.00 (Interest) = Rs. 40,35,599.00 Hold amount: Rs. 5,14,401 <p>Total Sanction amount= Rs. 2,75,70,000</p> <p>Expenditure/ Utilized amount:</p> <ul style="list-style-type: none"> 1st year : Rs. 1,84,70,000.00 2nd year: Rs. 39,55,993.00 3rd year: Rs.41,40,599.00 <p>Total Expenditure/ Utilized amount = Rs.2,65,66,592.00</p>					

viii.	Lead Agency	Forest Department, Government of Manipur
	Principal Investigator (PI)	
	Co-Principal Investigator (Co-PI)	Smt. WaikhomRomabai, DCF/Research, Silviculture& Training, Forest Department. Government of Manipur.
ix.	Project Implementing Partners	<ul style="list-style-type: none"> ➤ Manipur Zoological Garden at Iroishemba, ➤ State Orchidarium at Khonghampat, ➤ KeibulLamjao National Park, ➤ Shiroi National Park, ➤ YangoupokpiLokchao Wildlife Sanctuary, ➤ Jiri-Makru Wildlife Sanctuary, ➤ KhongjaingambaChing Wildlife Sanctuary, ➤ Zeilad Wildlife Sanctuary, ➤ Thinungei Bird Sanctuary <p>14 Territorial Forest Division of</p> <ol style="list-style-type: none"> 1. Bishnupur, 2. Central, 3. Churachandpur, 4. Chandel, 5. Jiribam, 6. Kamjong, 7. Kangpokpi, 8. Noney, 9. Pherzawl, 10. Senapati, 11. Tamenglong, 12. Tengnoupal, 13. Thoubal and 14. Ukhrul.
	Key Persons / Point of Contacts with Contact Details, Ph. No, E-mail	Mrs.WaikhomRomabai, DCF/Research, Silviculture& Training, Forest Department. Government of Manipur. +91 9411514946 amber5082@gmail.com

2.ProjectOutcomes

2.1.Abstract(not more than 500 words) [it should include background of the study, aim, objectives,methodology, approach, results, conclusion and recommendations).

Background:

The Indian Himalayan region (IHR) represents a very significant part of the Indian sub – continent as it supports unique landscape elements, species, populations, communities, and ecosystems along with rich ethnic diversity. The uniqueness, naturalness, and representativeness of biodiversity of the Himalayas attracted the attention of researchers from all over the globe. The IHR has been recognized as one of the biodiversity hot spots. Realizing the new challenges and responsibilities of conservation of Himalayan resources, several initiatives are taken place globally. In this regard, National Mission on Himalayan Studies (NMHS) has envisaged to be established Nature Learning Centre (NLC) in all Himalayan states as an *ex situ* conservation site for sensitive flora and fauna and on other acts as a site for nature exposure and capacity building center for different stakeholders of this region.

Objectives/ Aim:

- 1) To have a robust portfolio of conservation programmes that reflects the State's priorities.
- 2) To build a strong alignment between the visitor experience and life Sciences areas of the Zoo.
- 3) To offer every visitor a meaningful and fun learning interpretative approach.
- 4) To enable staff and volunteers to actively facilitate the delivery of engaging experiences for visitors.
- 5) To standardize the record-keeping system of the Zoo through ZIMS.
- 6) To have extensive and transparent compliance and risk management framework.

Methodologys:

Considering the issues related to the conservation of nature, particularly forests, wildlife and biodiversity, the programme targeted students which could prove a better campaigner in such kind of sensitization programme. Therefore, the student camps and awareness programmes have been organized in 16 (Sixteen) districts through the Territorial Divisional Forest Officers in forest areas. Since the hills in Manipur have about 80% of the forest cover in the state and also the origin of many rivers flowing through the State, the programme has focused on sensitization of Village Chiefs/ village Pradhans and Civil societies who have a say in the protection and conservation of natural resources. Above all, the policy of the State towards the conservation aspects needs sensitization of administrators and policymakers and the programme has taken care of it.

Approach:

The NLC aims to cover all sections of the society, with everybody being a stakeholder in Nature Conservation. It serves as a focal point for taking up nature awareness programmes, field training & workshops and interaction session by involving Village Chiefs/Pradhans, Students, Teachers, Civil Societies Organizations, Field Staffs, Policy Makers & Administrators. For students, the camps have been organized in various remote Districts of the State in the Forest Areas where they have been familiarized with wild flora, and fauna, their importance, and conservation programmes of the Government. They were also shown in short movies/ films produced by NLC-Manipur.

Results:

- ✓ Awareness programmes and nature camps help the beneficiaries to understand the fragility of our environment and the importance of its protection.
- ✓ Students have gained knowledge of wild flora and fauna found in the State. Nature camps help the students in identifying species, habitat requirements and life cycles of different species and their management and conservation.
- ✓ Village chiefs and Pradhan and various Civil Society Organizations are more aware about Forest Rights Acts, Wildlife Protection Acts and different conservation strategies and promotion of Eco-Tourism.
- ✓ Improvement of skill in the field of forest fire management amongst Forest's Field staffs.
- ✓ Active role by Policy Maker and Administrators for the protection of nature and ensuring environmental stability and maintenance of ecological balance by engaging local people.

Conclusion:

NLC-Manipur organized all the programmes and camps successfully. The programme has been well appreciated by the schools, civil societies and administrators. Since the programme aims to bring an attitudinal change in society, the outcome of the efforts will be visible after some time. Many changes can be observed among the beneficiaries- they are more aware on the importance of forests and other wild floral and faunal species and also conserve natural resources in a sustainable way and transmit the same information to other people and so on.

Recommendations:

- Upgradation of the Museum and Interpretation Centre showcasing different flora and fauna of the State including 3D theatre for students showing wild species.
- Activities and training programmes based on Nature Conservation on a mass and wide scale from the grassroots level.
- Mass campaigns on tree plantations and global warming.

2.2. Objective-wise Major Achievements

S. No.	Objectives	Major achievements (in bullets points)
1.	To have a robust portfolio of conservation programmes that reflects the State priorities.	<ul style="list-style-type: none"> • Sensitized various levels of society including students, School Teachers, Civil Society Organisations, Village Chiefs&Pradhans about the Constitutional duties, and legal framework for the conservation of forests, wildlife and biodiversity. • Nature Walk organized for students which aimed for Nature orientation and sensitization of students towards everyday flora and fauna along with their habitats. • Sessions on Civil Society Organisations and Village Chief &Pradhans for Promotion of Traditional Natural Resource Management Practices along with Nature Conservation. • Bird watching camps for different stakeholders aimed at appreciation, identification and awareness of the importance and significance of Water-Birds especially migratory birds, in and around the Wetlands of Manipur valley. • Workshop organized for Policymakers and Administrators discussing Forest Conservation Acts, adverse effects of poppy cultivation & Forest fire and Protection/Conservation of Wildlife including prevention of smuggling. • Sessions for Forest Field Staffs on Preventive Measures of Forest Fires. • Tree Plantation Showcasing of a short film produced by the Forest Department and Storytelling sessions on Natural Resource Management Practices.

2.	To build a strong alignment between the visitor experience and Life Sciences areas of the Zoo	<ul style="list-style-type: none"> • A State of Art Museum and Interpretation Centre was developed. • Development of a Zoo Information Management System has been commissioned. • Helps different stakeholders to learn through exhibiting the relationship between animals and nature. • Role of the Museum and Interpretation Centre in enabling visitors to learn about Nature Protection and have Environmental consciousness. The design of exhibit areas is effective for Visitors' protection, Recognition and Nature Education.
3.	To offer every visitor a meaningful and fun learning experience using the interpretative approaches.	<ul style="list-style-type: none"> • A State of Art Museum and Interpretation Centre was developed. • Publication of various Pamphlets and Booklets relating to Nature Conservation and understanding different flora and fauna found in the State. • Developed Short videos on Nature Conservation and various other topics relating to flora, fauna, and wetlands found in the State.
4.	To enable staff and volunteers to actively facilitate the delivery of engaging experiences for visitors.	<ul style="list-style-type: none"> • The contractual staffs engaged for the project are subject matter professionals. • Staffs of Research, Silviculture and Training Division. • Staffs of Forest Training School. • Staffs of Manipur Zoological Garden.
5.	To standardize the record keeping system of the Zoo through ZIMS	<ul style="list-style-type: none"> • Development of a Zoo Information Management System has been commissioned.

6.	To have an extensive and transparent compliance and risk management framework.	<ul style="list-style-type: none"> • Being a project focussing on the sensitization of various stakeholders, the instant objective is an integral part of the project. <ul style="list-style-type: none"> a) School Students, b) School Teachers, c) Village Chief & Pradhans, d) Civil Society Organisations e) Forest Field Staff f) Policymakers and Administrators,
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2.3. Outputs in terms of Quantifiable Deliverables*

Quantifiable Deliverables	Monitoring indicators (Monitoring in comparison to the baseline information to be provided by the proponent)	Quantified Output/ Outcome achieved	Deviations made, if any, & Reason thereof:
<ul style="list-style-type: none"> • Benefit to the young visitors, school children, planners, administrators, scientist, voluntary organizations and policy makers. • Serve as Education and 	<ul style="list-style-type: none"> • No. of Nature Learning and Awareness Curricula Developed; 	<p>7 (seven) Nature Learning and Awareness Curricula are developed:</p> <ol style="list-style-type: none"> 1. One Day Nature Learning Awareness Programmed for Students. 2. Two Day Camp in a forest/ wildlife area for Students. 3. Training of Civil Society Organizations. 4. Awareness programme for Field Staff. 5. Training workshops for Field Staff. 6. Training workshop for Policy Makers and Administrators. 7. Workshops for Village Chiefs, Gram Pradhans, etc. 	NA

<p>Recreation centre is a creative and innovative zoo-based education campaign.</p> <ul style="list-style-type: none"> • Enhancing and enriching the visitors by providing information through signages, exhibits, 2D and 3D models, interpretation centre, museum, etc. • Serve as a store house for data related to wildlife and also produce reports 	<ul style="list-style-type: none"> • No. of Crucial Nature Learning and Awareness Topics covered; 	<ol style="list-style-type: none"> 1) Adverse impact of encroachment & earth cutting on Nature. 2) Conservation of Wetlands. 3) Adverse impact of Encroachments. 4) Sensitization on Forest Rights Act, 2006. 5) Sacred Groves in Manipur and its importance for the conservation of Biodiversity. 6) Adverse effect of Poppy cultivation & Forest fire on Himalayan Flora/ Fauna. 7) Possible reasons of maximum forest cover degradation in Churachandpur District & its impact. 8) Forest Conservation Act, 1980. 9) Protection/ Conservation of Wildlife including prevention of smuggling. 10) Nature Resource Management including effective implementation of Forests Rights Act, 2006. 11) Role of Forest Department in implementation of Forest Rights Act, 2006. 12) Modules on Zoo Information Management System (ZIMS) developed under Him-NLC-NHMS. 13) Water Conservation. 14) Carbon Positive tag village of India: Phayeng, Manipur. 15) Birds of Manipur. 16) Orchids of Manipur and their propagation through Tissue culture technique. 17) Role of students in Forest Conservation. 18) Water Birds of Loktak Lake and the importance of Bird census. 19) Butterflies-the flying jewels. 20) Ethno-medicinal plants of Manipur. 21) Importance of land use pattern and soil moisture conservation. 22) Eco-Developed Committee and its role in Management of Protected Areas. 23) Pollutions and its preventive measures. 24) Endemic Species of Manipur. 25) Migratory Birds found in the Wetlands of Manipur 26) Edible Insects of Manipur. 	
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<p>according to the requirement .</p>		<p>27) Recycling of Natural Resources. 28) Solid Waste Management. 29) Nature Quiz. 30) Sustainable Development. 31) Bird Watching, Nature walk and Jungle Trail. 32) Exposure Visit. 33) Development of Nature-related movies. 34) Global Warming and Climate Change. 35) Phumdi Management.</p>																					
	<ul style="list-style-type: none"> No. of Trainings organized with no. of stakeholders benefited in each segment; 	<ul style="list-style-type: none"> 59 trainings/ workshops, campaigns and exposure visits were organized wherein 3362 stakeholders benefited. Details are as under: <table border="1" data-bbox="634 741 1289 1904"> <thead> <tr> <th>Sl. No.</th> <th>Particulars</th> <th>No. of program</th> <th>No. of stakeholders benefited</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>One day Nature Learning Awareness Programme for Students.</td> <td>1st year- 6 2nd year- 6 3rd year- 6 Total- 18</td> <td>1st year- 652 2nd year- 364 3rd year- 341 Total - 1357</td> </tr> <tr> <td>2</td> <td>One-day awareness programme for school teacher</td> <td>1st year-1 2nd year- Nil 3rd year-1 Total- 2</td> <td>1st year- 35 2nd year- Nil 3rd year- 60 Total - 95</td> </tr> <tr> <td>3</td> <td>Two Day Camp in a forest/ wildlife area for Students.</td> <td>1st year- 6 2nd year- 6 3rd year- 6 Total - 18</td> <td>1st year- 300 2nd year- 306 3rd year- 284 Total - 890</td> </tr> <tr> <td>4</td> <td>Training of Civil Society Organizations.</td> <td>1st year- 2 2nd year- 1 3rd year- 2 Total - 4</td> <td>1st year- 110 2nd year- 44 3rd year- 146 Total - 300</td> </tr> </tbody> </table>	Sl. No.	Particulars	No. of program	No. of stakeholders benefited	1	One day Nature Learning Awareness Programme for Students.	1 st year- 6 2 nd year- 6 3 rd year- 6 Total- 18	1 st year- 652 2 nd year- 364 3 rd year- 341 Total - 1357	2	One-day awareness programme for school teacher	1 st year-1 2 nd year- Nil 3 rd year-1 Total- 2	1 st year- 35 2 nd year- Nil 3 rd year- 60 Total - 95	3	Two Day Camp in a forest/ wildlife area for Students.	1 st year- 6 2 nd year- 6 3 rd year- 6 Total - 18	1 st year- 300 2 nd year- 306 3 rd year- 284 Total - 890	4	Training of Civil Society Organizations.	1 st year- 2 2 nd year- 1 3 rd year- 2 Total - 4	1 st year- 110 2 nd year- 44 3 rd year- 146 Total - 300	
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4	Training of Civil Society Organizations.	1 st year- 2 2 nd year- 1 3 rd year- 2 Total - 4	1 st year- 110 2 nd year- 44 3 rd year- 146 Total - 300																				

		5	Training workshops for Field Staff.	1 st year- 2 2 nd year- 2 3 rd year- 2 Total - 6	1 st year- 50 2 nd year- 51 3 rd year- 50 Total - 151	
		6	Training workshop for Policy Makers and Administrators.	1 st year- 1 2 nd year- 1 3 rd year- 1 Total - 3	1 st year- 50 2 nd year- 71 3 rd year- 51 Total - 172	
		7	Workshops for Village Chiefs, Gram Pradhans	1 st year- 2 2 nd year- 2 3 rd year- 2 Total - 6	1 st year- 110 2 nd year- 114 3 rd year- 99 Total - 323	
		8	Exposure visit of Villagers of Zeilad Wildlife Sanctuary to Kaziranga National Park and Guwahati Zoo.	1	24	
		9	Campaign on "Water conservation"	1	50	
	<ul style="list-style-type: none"> No. of Dissemination and Awareness Publications (shorts/detailed) circulated; 	<p>Disseminated and circulated the following training materials in various programmes, and also given to the visitors to NLC:</p> <ol style="list-style-type: none"> 1. Brochure on the identification of plants 2. Poster on "Water Conservation" 3. Common Wild Edible Mushroom of Manipur 4. Edible Wild Fruits of Manipur 				

		<ol style="list-style-type: none"> 5. Orchids of Manipur 6. Some Winter Migratory Birds of Manipur 7. Common Resident Birds of Manipur 8. Non-Timber Forest Produces (NTFPs) 9. Medicinal Plants of Manipur 10. Major Timber Species found in Manipur 11. Some important Butterflies found in Manipur 12. Vultures of Manipur 13. Some Important Indigenous Fish Species of Manipur 14. Loktak Lake 15. Protected Areas of Manipur 16. Major Wetlands of Manipur 17. Rainwater Harvesting 18. Important Plants from the Ginger family 19. Rare and Endangered Wild fruits of Manipur. 20. Booklet on Orchids of Manipur and Propagation of Orchids. 21. Lesser known Lilies of Manipur 22. Folder of NLC, Manipur 23. Frogs and Toads found in Manipur 24. Black Rice (Chak-hao) of Manipur 25. Chillies of Manipur 26. Hoolock Gibbon 27. Amur Falcon 28. Tourist Spots in Manipur 29. Phumdi Management 30. Global Warming and Climate Change 31. Plastic Pollution <p>Nature films and documentaries on</p> <ul style="list-style-type: none"> • “Orchids”, • “Management of Wild animals in Zoo”, • “Wetlands of Manipur” and • “Protected Areas of Manipur……. The Wilderness Unexplored” <p>These films and documentaries are uploaded on Youtube, NLC, Manipur Website and Manipur Department Website for wide publicity to create awareness among the mass.</p>	
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		<p>The NLC-Manipur has produced short movies on the following themes:</p> <ul style="list-style-type: none"> • Major Timber Species of Manipur • Endemic Species of Manipur • Bamboo • Winter Migratory Birds of Manipur • Loktak Lake • Some Butterflies of Manipur • Non-Timber Forest Produces (NTFP) of Manipur • Important Medicinal Plants of Manipur • Common Wild Edible Mushrooms of Manipur • Common Resident Birds of Manipur • Fish of Manipur • Air Pollution • Water Pollution • Water Harvesting System • Noise Pollution • Bio-Medical Waste Management 	
	<ul style="list-style-type: none"> • No. of Field/Green Technologies Demonstrations/Exposure Visits organized; 	<ul style="list-style-type: none"> • Exposure visit of beneficiaries to NLC Museum and Interpretation Centre. • Exposure visit of beneficiaries to the State Orchidarium at Khonghampat. • Exposure visit of students to Manipur Zoological Garden at Iroisemba. • Exposure visit of students at Keibullamjao National Park in Bishnupur district Manipur. • Exposure visit of students at Yangoupokpi Lokchao Wildlife Sanctuary (WLS) in Tengnoupal district Manipur. • Exposure visit of students at Shiroi National Park in Ukhrul district of Manipur. • Exposure visit of students at Zeilad WLS in Tamenglong district of Manipur. • Exposure visit of students at Jiri-Makru WLS in Jiribam and Tamenglong districts of Manipur. • Exposure visit of students at Kailam WLS in Phrezawl district of Manipur. 	

		<ul style="list-style-type: none"> • Exposure visit of students at KhongjaingambaChing WLS inBishnupur district of Manipur. • Exposure visit of students at Thinungei Bird Sanctuary inBishnupur district of Manipur. • Exposure visit of villagers of Zeilad Wildlife Sanctuary, Manipur to Kaziranga National Park. • Exposure visit of students to Phayeng: the only Carbon Positive tag village of India. • Exposure visit of students to the Ethno Medicinal Research Centre, Henbung, Senapati, Manipur. • Exposure visit of students to the Centre for Orchid Gene Conservation of Eastern Himalayan Region, Senapati, Manipur. 	
	<ul style="list-style-type: none"> • No. of Publication of Assessment and Findings Reports; 	NA	
	<ul style="list-style-type: none"> • No. of Beneficiaries; 	3,362	
	<ul style="list-style-type: none"> • No. of Collaborations/ Connect with the Protected Areas/ Sanctuaries/ Conservation Areas established; 	<ul style="list-style-type: none"> • YangoupokpiLokchao Wildlife Sanctuary (WLS) • Keibullamjao National Park • Shiroi National Park. • Zeilad WLS. • Jiri-Makru WLS. • Kailam WLS. • KhongjainhambaChing WLS. • Thinungei Bird Sanctuary. • State Orchidarium at Khonghampat 	

	<ul style="list-style-type: none"> No. of Policy Guidelines and Legislative Mechanisms ; Prepared and/ or Communicated. 	<p>Existing Policy Guidelines on:</p> <ul style="list-style-type: none"> Forest (Conservation) Act , 1980, Adverse effect of poppy cultivation & Forest Fire. Protection/Conservation of Wildlife including prevention of smuggling. 	
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(*) As stated in the Sanction Letter issued by the NMHS-PMU.

2.4. Strategic Steps with respect to Outcomes (in bullets)

S.No.	Particulars	Number/Brief Details	Remarks/ Attachment
1.	New Methodology developed	<ul style="list-style-type: none"> Development of State of Art Nature Museum, Interpretation Centre, and Interactive Conference Hall. Procurement of exhibition cabinets, display specimens, signages, exhibits, etc. Development of Web portal for Zoo Information Management System and NLC-Manipur by NICS and procurement of hardware. Engagement of personals- Consultant, Junior Professional, IT Professional, Multi-Tasker Staff. Travel – Exposure visits domestic and abroad. 	

S.No.	Particulars	Number/Brief Details	Remarks/ Attachment
2.	New Models/ Process/ Strategy developed		
3.	New Species identified	NA	NA

S.No.	Particulars	Number/Brief Details	Remarks/ Attachment
4.	New Database established	Zoo Information Management System (ZIMS)	<ul style="list-style-type: none"> ➤ ZIMS serves as a well-secured database system to maintain the entire information details of the Zoological park: <ul style="list-style-type: none"> • to secure database related to visitors entry tickets, • to keep and maintain the animals details (birth, death & updates) without manual effort and to store papers. • Reducing the usage of paper helps to keep a green environment. ➤ ZIMS helps overcoming the problems of issuing tickets and maintaining the animal's data storage. ➤ Functional modules developed for ZIMS such as the Animals data entry module, Animals data update module, Animals data chart module, Entrance ticket module, Day to day ticketing information module, ZIMS help module etc. helps in maintaining basic details of all types of animals that include in the whole zoo such as the name of the species, the unique id of the animal and date of the arrival, number of male, female and offspring's in a computerized program. ➤ These categories helped to handle the whole details of the animals easily & easily upload the details.

S.No.	Particulars	Number/Brief Details	Remarks/ Attachment
5.	New Patent, if any		
	I. Filed (Indian/ International)		
	II. Granted (Indian/ International)	NA	NA
	III. Technology Transfer(if any)		
6.	Others (if any)		

3. Technological Intervention

S. No.	Type of Intervention	Brief Narration on the interventions	Unit Details (No. of villagers benefited / Area Developed)
1.	Development and deployment of indigenous technology		
2.	Diffusion of High-end Technology in the region	NA	NA
3.	Induction of New Technology in the region		
4.	Publication of Technological / Process Manuals	The website of NLC-Manipur http://nlc.manipurforest.gov.in	

<p>Others (if any)</p>	<p>Museum and interpretation centre</p>	<ul style="list-style-type: none"> • Museum and Interpretation Centre are necessary for the dissemination of knowledge of wildlife to visitors, especially young school children where audio and visual effect help in capturing the young minds about Wildlife and Nature in a more effective manner. • The sophisticated Interpretative Centre would provide pictures, kiosks, diagrams, panels and posters which will guide the visitors about global warming, climate change, bird migration and other behavioral display in Wildlife and Nature. • Each exhibit in the Centre will have a story to tell which will make a multi-pronged approach to interpret the visitor and make them aware of many facts in a fun-filled and informal learning atmosphere. • It will serve as an education and recreation centre concerning the conservation of wildlife and nature
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4. New Data Generated over the Baseline Data

S. No.	New Data Details	Status of Existing Baseline	Additionality and Utilisation New data
	N/A	N/A	N/A

5. Demonstrative Skill Development and Capacity Building/ Manpower Trained

S. No	Type of Activities	Details with number	Activity Intended for	Participants/Trained			
				SC	ST	Woman	Total
1.	Training Workshops	School Teacher. 1(one) programme in 2018-2019	<ul style="list-style-type: none"> • Sensitization of teachers about native trees/ herbs/ medicinal plants/ wild animals and birds found in the Division and the importance of land use patterns and soil moisture conservation. • Orientation of teachers to pass on Nature knowledge to their students. • Orientation of teachers to promote Forest and environment conservation in their curriculum. The teachers may also encourage to create good slogans for Nature conservation, paintings, etc. and post them on their classroom/ Notice board. • Nature walk in the forest. • Bird watching. • Showcasing the short films produced by the Forest Department. • Any other addition which adds to the knowledge as per the choice of the divisional 				35

		<p>Civil Society Organizations</p> <p>2(two) programmes in 2018-2019</p>	<ul style="list-style-type: none"> • Session on Wetland conservation and identification of Migratory birds at Yaralpat. • Showcasing the short films produced by the Forest Department • Any other addition which adds to the knowledge as per the choice of the divisional administration. 				110
		<p>Civil Society Organizations</p> <p>1(one) programme in 2019-2020</p>	<ul style="list-style-type: none"> • Session on Adverse Impact of Encroachment, Earth cutting, Conservation of Wetlands, and any other topic relevant to the division • Showcasing the short films produced by the Forest Department • Visit Earth cutting site to discuss damage to natural resources by bus. • Visit 1(one) important Wetland of Thoubal by bus. • Any other addition which adds to the knowledge as per the choice of the divisional administration. 				44

		<p>Civil Society Organizations</p> <p>2(two) programme in 2020-2021</p>	<ul style="list-style-type: none"> • Sessions on the Role of Civil Society Organizations: Promoting traditional Natural Resource Management Practices. • In creating a sense of belonging and oneness with nature among the young generation. • Interactive session to develop modules on Participatory approach for all stakeholders towards Nature Conservation. The modules may be shared with NLC, Manipur after the program. • Showcasing the Short films produced by the Forest Department. • Any other addition which adds to the knowledge as per the choice of the divisional administration. 			146
		<p>Field staff</p> <p>2(two) programmes in 2018-2019</p>	<ul style="list-style-type: none"> • “Nature Resource Management including effective implementation of Forest Rights Acts, 2006 and modules on ZIMS developed under Him-NLC-NMHS. 			50
		<p>Field staff</p> <p>2(two) programmes in 2019-2020</p>	<ul style="list-style-type: none"> • “Nature Resource Management including effective implementation of Forest Rights Acts, 2006 and modules on ZIMS developed under Him-NLC-NMHS. 			51

		<p>Field staff 2(two) programmes in 2020-2021</p>	<p>Program shall be organized jointly with Manipur Fire Services on the following:</p> <ul style="list-style-type: none"> • Sessions on : Preventive measures of Forest Fires with special reference to the State of Manipur Mock-drill on Fire fighting • Interactive session to develop modules on the above-mentioned sessions. The modules may be shared in NLC, Manipur after the program. • Showcasing the short films produced by the Forest Department. • Any other addition which adds to the knowledge as per the choice of the divisional administration. 			50
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		<p>Policy Makers and Administrators.</p> <p>1(one) programme in 2018-2019</p>	<p>Sessions on:</p> <ul style="list-style-type: none"> • Adverse effect of Poppy cultivation & forest fire. • Forest Conservation Act, 1980 • Protection/ Conservation of Wildlife including prevention of smuggling. • Showcasing the short films produced by the Forest Department. • Visit poppy cultivation-affected sites to discuss damage of natural resources by bus. • Any other addition which adds to the knowledge as per the choice of the divisional administration. 				50
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		<p>Policy Makers and Administrators. 1(one) programme in 2019-2020</p>	<p>Sessions on:</p> <ul style="list-style-type: none"> • Adverse effect of Poppy cultivation & forest fire. • Possible reasons on loss of maximum forest cover in Churachandpur in the State and its impact • Forest Conservation Act, 1980 • Protection/ Conservation of Wildlife including prevention of smuggling. • Showcasing the short films produced by the Forest Department. • Visit poppy cultivation-affected sites to discuss damage of natural resources by bus. <p>Any other addition which adds to the knowledge as per the choice of the divisional administration</p>			71
		<p>Policy Makers and Administrators. 1(one) programme in 2020-2021</p>	<ul style="list-style-type: none"> • Forest Conservation Act, 1980. • ill effect of Poppy Cultivation • Convergence of works to restore Jhumming areas 			51

		<p>Village Chiefs, Gram Pradhans, 2(two) programmes in 2018-2019</p>	<ul style="list-style-type: none"> • Session on Adverse Impact of Encroachment and Forest Rights Act, 2006. • Showcasing the Short films produced by the Forest Department. • Visit of Encroachments site to discuss damage of natural resources by bus. • Any other addition which adds to the knowledge as per the choice of the divisional administration. 			110
		<p>Village Chiefs, Gram Pradhans, 2(two) programmes in 2019-2020</p>	<ul style="list-style-type: none"> • Sensitization on the scheduled tribes and other traditional forest dwellers (recognition of forest rights) act, (forest rights act), 2006 and rules, 2007 • Adverse impact of encroachments. • Showcasing the Short films produced by the Forest Department. • Visit of Encroachments site to discuss damage of natural resources by bus. • Any other addition which adds to the knowledge as per the choice of the divisional administration. • Sacred Groves in Manipur and its importance for the conservation of Biodiversity. 			114

		Village Chiefs, Gram Pradhans, 2(two) programmes in 2020-2021	<ul style="list-style-type: none"> • Role of forests in Water Conservation • The ill effect of Poppy cultivation • Significance of Community Reserve under W(P) Act, 1972 and benefits to villagers 			99
			<ul style="list-style-type: none"> • Watershed Conservation • Adverse impact of Jhum cultivation • Impact of Hunting of wild animals on ecosystem 			
2.	On Field Trainings	N/A				
3.	Skill Development	N/A				
4.	Academic Supports	N/A				
	Others (if any)					

		Exposure visit for villagers of Zeilad Wildlife sanctuary, Tamenglong district, Manipur to Kaziranga National Park, Assam as an exposure to make them understand the management of protected area from eco-tourism point of view in a sustainable manner.	Eco-development committee and its role in the management of Protected Areas Interaction with DFO/KNP and Eco-development committee members.			24 (All Male)
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6. Linkages with Regional & National Priorities (SDGs, INDC, etc)/ Collaborations

S. No.	Linkages /collaborations	Details	No. of Publications/Events Held	Beneficiaries
1.	Sustainable Development Goal (SDG)	SDG 13: Climate change SDG 15: Life on land	59	3,362
2.	Climate Change/INDC targets	N/A	N/A	N/A
3.	International Commitments	N/A	N/A	N/A
4.	Bilateral engagements	N/A	N/A	N/A
5.	National Policies	N/A	N/A	N/A
6.	Others collaborations	N/A	N/A	N/A

7. Project Stakeholders/ Beneficiaries and Impacts

S. No.	Stakeholders	Support Activities	Impacts
1.	Gram Panchayats	<ul style="list-style-type: none"> Enhancing and Promoting Traditional Natural Resource Management Practices. Development of Eco – tourism 	<ul style="list-style-type: none"> Increases their knowledge on forests, wildlife, biodiversity conservation and

		<p>sites</p> <ul style="list-style-type: none"> • Participatory approach towards Nature Conservation • Sustainable development • Sensitization on Forest Rights Act. 	<p>traditional beliefs and their significance in natural resources management</p> <ul style="list-style-type: none"> • Active participation of local community in conserving nature
2.	Govt Departments (Agriculture/ Forest)	<ul style="list-style-type: none"> • Preventive measures on fighting Forest Fires. • Importance on customs clearance of forest produces Forest-based industries/firms • Preventing illegal movements of Forest Produces 	<ul style="list-style-type: none"> • Updating the knowledge, improving the skills, polishing the attitude and orienting the participants toward the latest developments in the forestry sector.
3.	Villagers	<ul style="list-style-type: none"> • Enhancing and promoting traditional Natural Resource Management Practices. 	<ul style="list-style-type: none"> • Sustainable utilization of natural resources
4.	SC Community		
5.	ST Community		
6.	Women Group	<ul style="list-style-type: none"> • Development of Eco – tourism sites • Participatory approach towards Nature Conservation 	<ul style="list-style-type: none"> • With more knowledge of Traditional Resources Management Practices (TRMPs), villagers are aware about the co-existence, interactions, and reciprocal responses between society and nature • A better understanding of the Forests Rights Act, 2006 • Active participation of the local community in conserving nature • Reduces deforestation • Increases green cover of the State • Gender equality and women empowerment • Inclusive development

Others (if any)		
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8. Financial Summary (Cumulative)

S. No.	Financial Position/Budget Head	Funds Received in Rs.	Expenditure/ Utilized in Rs.	% of Total cost
I.	Salaries/Manpower cost	1st year: 7,50,000.00 2nd year: 10,50,000.00 3rd year: 9,45,000.00 Total= 27,45,000.00	1st year: 7,50,000.00 2nd year: 10,50,000.00 3rd year: 10,50,000.00 Total=28,50,000.00	
II.	Travel	1st year: 5,00,000.00 2nd year: 5,00,000.00 3rd year:4,25,599.00 Total= 14,25,599.00	1st year: 5,00,000.00 2nd year:2,55,993.00 3rd year:4,25,599.00 Total= 11,81,592.00	
III.	Expendables & Consumables	NA	NA	NA
IV.	Contingencies	NA	NA	NA
V.	Activities & Other Project cost	1st year: 30,00,000.00 2nd year:30,00,000.00 3rd year:26,65,000.00 Total=86,65,000.00	1st year: 30,00,000.00 2nd year:26,50,000.00 3rd year:26,65,000.00 Total= 83,15,000.00	
VI.	Institutional Charges	NA	NA	NA
VII.	Equipment's	1,42,20,000.00	1,42,20,000.00	
	Total	2,70,55,599.00	2,65,66,592.00	
	Hold Amount	5,14,401.00		
	Total Interest earned	5,93,421.00		
	Grand Total	2,75,70,000.00		

* Please attach the consolidated and audited Utilization Certificate (UC) and Year wise Statement of Expenditure (SE) separately, ref. **Annexure I**.

9. Major Equipment/ Peripherals Procured under the Project** (if any)

S. No.	Name of Equipments	Cost in Rs.	Cost in Rs.	Utilisation of the Equipment after project
1	Procurement of exhibition cabinets, display specimens, signages, exhibits.	Interior Work of Museum room	16,20,300.00	
		Development of Exhibits, signages etc.	32,53,600.00	
		Electrifications	11,26,100.00	

		Sub Total	60,00,000.00	
2	Development of portable theatre cum interactive classroom with computers (Conference room + Interpretation room)	Interior Work of the Conference room	9,86,200.00	
		Interior Work of interpretation room	12,55,300.00	
		Solar	29,78,500.00	
		Sub Total	52,20,000.00	
3	Development of Web portal for Zoo Information Management System by NICSI and procurement of hardware	Development of Web portal for ZIMS	16,00,000.00	
		Interior Work of Reception & Lobby	6,69,700.00	
		Development of Work station for the staffs	4,00,000.00	
		Procurement of Desktop computers and accessories	2,00,000.00	
		Procurement of printer	50,000.00	
		Procurement of CCTV system	80,300.00	
		Procurement of LED system	2,00,000.00	
		Sub Total	30,00,000.00	
		Grand total	1,42,20,000.00	

**Details should be provided in detail (ref Annexure III & IV).

10. Quantification of Overall Project Progress

S. No.	Parameters	Total (Numeric)	Remarks/ Attachments/ Soft copies of documents
1.	IHR States Covered	1(Manipur)	All 16 districts of the State
2.	Project Site/ Field Stations Developed	1(one)	Forest Complex, Mantripukhri Imphal, Manipur
3.	New Methods/ Modeling Developed	7 (Seven) curricula developed	
4.	No. of Trainings arranged	59 trainings/workshops, campaign and exposure visits.	
5.	No of beneficiaries attended trainings	3362	
6.	Scientific Manpower Developed (Phd/M.Sc./JRF/SRF/ RA):	N/A	
7.	SC stakeholders benefited	103	
8.	ST stakeholders benefited	1232	
9.	Women Empowered	--	
10.	No of Workshops Arranged along with level of participation	21 workshops 900 beneficiaries	
11.	On field Demonstration Models initiated	N/A	
12.	Livelihood Options promoted	N/A	
13.	Technical/ Training Manuals prepared	31	
14.	Processing Units established	N/A	
15.	No of Species Collected	N/A	
16.	New Species identified	N/A	
17.	New Database generated (Types):	N/A	
	Others (if any)	N/A	

11. Knowledge Products and Publications:

S. No.	Publication/ Knowledge Products	Number		Total Impact Factor	Remarks/ Enclosures
		National	International		
1.	Journal Research Articles/ Special Issue:	N/A	N/A	N/A	N/A
2.	Book Chapter(s)/ Books:	N/A	N/A	N/A	N/A
3.	Technical Reports	N/A	N/A	N/A	N/A
4.	Training Manual (Skill Development/ Capacity Building)	31	N/A	N/A	N/A
5.	Papers presented in Conferences/Seminars	N/A	N/A	N/A	N/A

S. No.	Publication/ Knowledge Products	Number		Total Impact Factor	Remarks/ Enclosures
		National	International		
6.	Policy Drafts/Papers	N/A	N/A	N/A	N/A
7.	Others:	N/A	N/A	N/A	N/A

* Please append the list of KPs/ publications (with impact factor and further details) with due Acknowledgement to NMHS.

12. Recommendation on Utility of Project Findings, Replicability and Exit Strategy

Particulars	Recommendations
Utility of the Project Findings	<p>The NLC is serving as a focal point for taking up nature awareness programmes in the state of Manipur involving different stakeholders to impart the importance of co-existence and protection and conservation of nature and its natural resources.</p> <p>This project covers different stakeholders which hold prime importance for the conservation of nature and its natural resources. With different methodologies for particular stakeholders, different awareness, workshop & training programmes, exposure visits and campaigns were organized. Beneficiaries' particularly general people are realised about the importance of understanding our environment's vulnerability and protecting it. Particularly younger population showed eagerness and enthusiasm by the knowledge gained from the awareness programmes and nature camp. Workshops & training reorient field staffs to make them aware of natural resource management. Development of Eco – tourism site helps the rural economy and most importantly preserve the natural world by ensuring that biodiversity, ecosystems and local communities remain protected and unspoiled.</p> <p>Materials published by NLC-Manipur, make people know more about recycling, the medicinal importance of various flora, and endemic species, and conservation of natural resources.</p>
Replicability of Project	<p>The project is very important to continue to educate and give training at all levels to promote nature awareness and understanding in a widespread scale.</p> <p>Further, there is a need to develop knowledge of problem-solving skills, managing and conservation of natural resources, and sustainable development among the general population.</p>

Exit Strategy	<p>Different sensitization programmed and workshops for different stakeholders were organized successfully.</p> <p>NLC Manipur sought to emphasize and strengthen the link between the conservation of natural eco-system and sustainable development.</p> <p>Sensitization and awareness programme & interaction (including campaigns) are assumed to improve knowledge and skill that encourage more sustainable practices and behavior</p> <p>Beneficiaries have started to express interest in conservation and nature including sustainable resource consumption and environmental degradation.</p> <p>Several initiatives can be taken for large-scale education of the public:</p> <ol style="list-style-type: none"> 1. Involvement of Government machinery, International bodies and NGOs in Nature Conservation. 2. Incorporating Non-Traditional or Lesser Known Traditional intervention 3. Capturing multiple pathways and options of Nature Learning and Conservation. 4. More attention is needed to be given for Socio-Economic Outcomes. <p>After sensitization and workshop programs organized by NLC, Manipur beneficiaries strongly increase their knowledge about the importance of different flora & fauna and their adaptations.</p> <p>Students were introduced to local conservation problems such as uncontrolled logging or hunting, overgrazing and the consequences of the introduction of exotic species.</p>
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(PROJECT PROPONENT/ COORDINATOR)

(Signed and Stamped)

Place:

Date:/...../.....

(HEAD OF THE INSTITUTION)

(Signed and Stamped)

PART B: PROJECT DETAILED REPORT

The Detailed report should include an Executive Summary and it should have separate chapters on (i) Introduction (ii) Methodologies, Strategy and Approach (iii) Key Findings and Results (iv) Overall Achievements (v) Project's Impacts in IHR (vi) Exit Strategy and Sustainability (vii) References and (viii) Acknowledgement (It should have a mention of financial grant from the NMHS, MoEF&CC)

Further, description of Technical Activities, List of Trainings/ Workshops/ Seminars with details of trained resources, list of New Products developed under the project, Manual of Standard Operating Procedures (SOPs) developed, Technology developed/Transferred etc should be enclosed as Appendix.

1 EXECUTIVE SUMMARY

The Executive Summary of the project should not be more than 3–5 pages, covering all essential features in precise and concise manner as stated in Part A (Project Summary Report) and Part B (Comprehensive Report).

2 INTRODUCTION

- 2.1 Background of the Project (max. 500 words)
- 2.2 Overview of the Major Issues to be Addressed (max. 1000 words)
- 2.3 Baseline Data and Project Scope (max. 1000 words)
- 2.4 Project Objectives and Target Deliverables (as per the NMHS Sanction Order)

3 METHODOLOGIES, STRATEGY AND APPROACH

- 3.1 Methodologies used for the study (max. 1000 words)
- 3.2 Preparatory Actions and Agencies Involved (max. 1000 words)
- 3.3 Details of Scientific data collected and Equipments Used (max 500 words)
- 3.4 Primary Data Collected (max 500 words)
- 3.5 Details of Field Survey arranged (max 500 words)
- 3.6 Strategic Planning for each Activities (max. 1000 words)
- 3.7 Activity wise Time frame followed [using Gantt/ PERT Chart (max. 1000 words)]

4 KEY FINDINGS AND RESULTS

- 4.1 Major Research Findings (max. 1000 words)
- 4.2 Key Results (max 1000 words in bullets covering all activities)
- 4.3 Conclusion of the study (maximum 500 words in bullets)

5 OVERALL ACHIEVEMENTS

- 5.1 Achievement on Project Objectives [Defining contribution of deliverables in overall Mission (max. 1000 words)]
- 5.2 Establishing New Database/Appending new data over the Baseline Data (max. 1500 words, in bullet points)
- 5.3 Generating Model Predictions for different variables (if any) (max 1000 words in bullets)
- 5.4 Technological Intervention (max 1000 words)
- 5.5 On field Demonstration and Value-addition of Products (max. 1000 words, in bullet points)
- 5.6 Promoting Entrepreneurship in IHR
- 5.7 Developing Green Skills in IHR
- 5.8 Addressing Cross-cutting Issues (max. 500 words, in bullet points)

6 PROJECT'S IMPACTS IN IHR

- 6.1 Socio-Economic Development (max. 500 words, in bullet points)
- 6.2 Scientific Management of Natural Resources In IHR (max. 500 words, in bullet points)
- 6.3 Conservation of Biodiversity in IHR (max. 500 words, in bullet points)
- 6.4 Protection of Environment (max. 500 words, in bullet points)
- 6.5 Developing Mountain Infrastructures (max. 500 words, in bullet points)
- 6.6 Strengthening Networking in IHR (max. 700 words, in bullet points)

7 EXIT STRATEGY AND SUSTAINABILITY

- 7.1 How effectively the project findings could be utilized for the sustainable development of IHR (max. 1000 words)
- 7.2 Efficient ways to replicate the outcomes of the project in other parts of IHR (Max 1000 words)
- 7.3 Identify other important areas not covered under this study needs further attention (max 1000 words)
- 7.4 Major recommendations for sustaining the outcome of the projects in future (500 words in bullets)

8 REFERENCES/BIBLIOGRAPHY

9 ACKNOWLEDGEMENT

APPENDICES

Appendix 1 – Details of Technical Activities

Appendix 2 – Copies of Publications duly Acknowledging the Grant/ Fund Support of NMHS

Appendix 3 – List of Trainings/ Workshops/ Seminars with details of trained resources and dissemination material and Proceedings

Appendix 4 – List of New Products (utilizing the local produce like NTFPs, wild edibles, bamboo, etc.)

Appendix 5 – Copies of the Manual of Standard Operating Procedures (SOPs) developed

Appendix 6 – Details of Technology Developed/ Patents filled

Appendix 7 – Any other (specify)

Consolidated Utilization Certificate (UC) and Statement of Expenditure (SE)

For the Period: 22-12-2017 to 31-03-2021

1.	Title of the project/Scheme/Programme:	NMHS HIM – NATURE LEARNING CENTRE (NLC) - MANIPUR
2.	Name of the Principle Investigator & Organization:	
3.	NMHS-PMU, G.B. Pant National Institute of Himalayan Environment, Kosi-Katarmal, Almora, Uttarakhand LetterNo. andSanction Date of theProject:	NMHS-2017/Him-NLC-03/Manipur-SL/22.12e/486 22-12-2017
4.	Amount received from NMHS-PMU, G.B. Pant National Institute of Himalayan Environment, Kosi-Katarmal, Almora, Uttarakhand during the project period (Please give number and dates of Sanction Letter showing the amount paid):	1 st year: NMHS-2017/Him-NLC-03/Manipur-SL/22.12e/486 Date: 22-12-2017 Amount: Rs.1,84,70,000.00 2 nd year: NMHS-2017/Him-NLC-03/Manipur-SL/22.12e/486/359 Date : 03-12-2019 Amount :Rs. 45,50,000.00 3 rd year: NMHS-2017/Him-NLC-03/Manipur-SL/22.12e/486/359/75/156 Date : 29-10-2020 Amount : Rs. 40,35,599.00
5.	Total amount that was available for expenditure (Including commitments) incurred during the project period:	Rs. 2,75,70,00.00
6.	Actual expenditure (excluding commitments) incurred during the project period:	Rs. 2,65,66,592.00
7.	Unspent Balance amount refunded, if any (Please give details of Cheque no. etc.):	Nil
8.	Balance amount available at the end of the project:	Rs. 5,26,836.00 (including total interest credited in the account)
9.	Balance Amount:	Rs. 5,26,836.00
10.	Accrued bank Interest	Rs. 5,93,421.00

Certified that the expenditure of **Rs. 2,65,66,592.00 (Rupees Two crore sixty five lakh sixty six thousand five hundred and ninety two only)** mentioned against Sr. No. 6 was actually incurred on the project/scheme for the purpose it was sanctioned.

Date:

(Signature of
Principal Investigator)

(Signature of
Co-Principal Investigator) of the Institution)

(Signature of Head

OUR REF. No.

ACCEPTED AND COUNTERSIGNED

Date:

COMPETENT AUTHORITY
NATIONAL MISSION ON HIMALAYAN STUDIES (GBPNIHE)

Statement of Consolidated Expenditure

[Institution Name here]

Statement showing the expenditure of the period from
Sanction No. and Date

:NMHS-2017/Him-NLC-03/Manipur-SL/22.12e/486

Date: 22-12-2017

1. Total outlay of the project : Rs. 2,75,70,000.00
2. Date of Start of the Project : 01-04-2018
3. Duration : 3 yrs
4. Date of Completion :31-03-2021
- a) Amount received during the project period : Rs. 2,70,55,599.00(includingRs. 5,93,421.00 as Bank Interest)
- b) Total amount available for Expenditure :

S.No.	Budget head	Amount received	Expenditure	Amount Balance/ excess expenditure
1	Salaries	27,45,000.00	28,50,000.00	-1,05,000.00
2	Permanent Equipment Purchased (Item-wise			
3	Travel	14,25,599.00	11,81,592.00	2,44,007.00
4	Activities & Other Project cost	86,65,000.00	83,15,000.00	3,50,000.00
5	Equipments	1,42,20,000.00	1,42,20,000.00	NIL
6	Institutional charges	NA	NA	NA
7	Total	2,70,55,599.00	2,65,66,592.00	4,89,007.00
8	Accrued bank Interest		0.00	
	Grand Total			

Certified that the expenditure of **Rs. 2,65,66,592.00 (Rupees Two crore sixty five lakh sixty six thousand five hundred and ninety two only)** mentioned against Sr. No.9 was actually incurred on the project/ scheme for the purpose it was sanctioned.

.

Date:

(Signature of
Co-Principal Investigator)

(Signature of (Signature of Head
Principal Investigator) of the Institution)

OUR REF. No.

ACCEPTED AND COUNTERSIGNED

Date:

COMPETENT AUTHORITY
NATIONAL MISSION ON HIMALYAN STUDIES (GBPNIHE)

Consolidated Interest Earned Certificate

Please provide the detailed interest earned certificate on the letterhead of the grantee/ Institution and duly signed.

**F.No.3/92/2018-WL(NLC)
Government of Manipur
Forest Department: Manipur**

Consolidate Interest Earned Certificate

This is to certify that an amount of Rs. 6,31,704/- (Rupees Six lakh thirty-one thousand seven hundred and four only) as interest have been incurred during the implementation of the project namely “NMHS Him-Nature Learning Centre(NLC)-Manipur”. The details are as mentioned below:

Sl. No.	Financial Year	Interest earned (Rs.)	Status
i.	1 st year (2018-2019)	Rs. 5,56,018.00	Adjusted
ii.	2 nd year (2019-2020)	Rs. 37,403.00	Adjusted
iii.	3 rd year (2021-2022)	Rs. 38,283.00	
Total		Rs. 6,31,704.00	

(CO-PROJECT INVESTIGATOR)

(Signed and Stamped)

(PROJECT INVESTIGATOR)

(Signed and Stamped)

Annexure-III

Consolidated Assets Certificate

Assets Acquired Wholly/ Substantially out of Government Grants

(Register to be maintained by Grantee Institution)

Name of the Sanctioning Authority: **National Mission on Himalayan Studies**

1. Sl. No. **NMHS/2017/Him-NLC-03/Manipur**
2. Name of Grantee Institution: **Forest Department, Government of Manipur.**
3. No. & Date of sanction order: **NMHS-2017/Him-NLC-03/Manipur-SL/22.12e/486 22-12-2017**
4. Amount of the Sanctioned Grant: **Rs. 2,75,70,000.00**
5. Brief Purpose of the Grant: _____
6. Whether any condition regarding the right of ownership of Govt. in the property or other assets acquired out of the grant was incorporated in the grant-in-aid Sanction Order: _____
7. Particulars of assets actually credited or acquired: **Rs. 1,42,20,000.00**
8. Value of the assets as on : **Rs. 1,42,20,000.00**
9. Purpose for which utilised at present _____
10. Encumbered or not _____
11. Reasons, if encumbered _____
12. Disposed of or not _____
13. Reasons and authority, if any, for disposal _____
14. Amount realised on disposal _____

Any Other Remarks: _____

(PROJECT INVESTIGATOR)

(CO-PROJECT INVESTIGATOR)

(Signed and Stamped)

(Signed and Stamped)

(HEAD OF THE INSTITUTION)

(Signed and Stamped)

List or Inventory of Assets/ Equipment/ Peripherals

S. No.	Name of Equipment	Quantity	Sanctioned Cost	Actual Purchased Cost	Purchase Details
1.	i). HD CCTV surveillance system ii). CCTV camera and 18.6" Monitor & its accessories	1 6		Rs. 80,300.00	Bill no. & date: TI/CCTV/FD/18-19/62 dt. 31-07-2018 Technology Icon, Gambhir Singh shopping Arcade, Imphal west, Manipur.
2.	i). Lenova Desktop Core i3 7 th Generation ii). Canon Printer-Digital Multifunction laser Printer iii). Canon EOS Digital Camera with 16gb Memory Card iv). Sony Bravia, 55inches (139 cm) LED Smart Tv v). Sony multimedia woofer	4 2 1 1 1		Rs. 2,00,000.00 Rs. 50,000.00 Rs. 43,000.00 Rs. 1,44,898.00 Rs. 12,102.00	Bill no. & date: No. A 506 dated 19-12-2018 Technology Icon, Gambhir Singh shopping Arcade, Imphal west, Manipur.
3.	Android Touch Kiosk	4		Rs. 3,29,160.00	Bill no. & date: No.075/18-19 dated 14-09-2018 Elpro Technologies No. 32, Muneshwara B-Block, Mattadahalli, RT Nagar Post, Bangalore.
4.	Installation of Solar Panel for 20KW Power Generation			Rs. 29,78,500.00	Bill no. & date: No. 125 dt. 18-02-2019 M/S JK Enterprises YaikhulMoirangthem, Imphal west, Manipur.

5.	Development of training cum conference room and interpretation hall: i). Lenovo Idea Pad Laptop ii). Project Screen-Elcor EL-120IN-MTS Motorised Remote Control Project Screen (6x8 feet) iii). Projector-Soney VPL-DX220	1 1 1		Rs. 52,500.00 Rs. 14,500.00 Rs. 34,825.00	Bill no. & date: No. 34-5678 dt. 21-03-2019 M/S JK Enterprises YaikhulMoirangthem, Imphal west, Manipur.
6.	i). Samsung split AC 1.5 ton ii). Samsung split AC 2 ton	3 2		Rs. 1,26,000.00 Rs. 1,20,000.00	Bill no. & date: No. 40-5684 dt. 15-04-2019 M/S JK Enterprises YaikhulMoirangthem, Imphal west, Manipur.
7.	Work station for staff			Rs. 4,00,000.00	
8.	Zoo Information Management System (ZIMS) and website for NLC-manipur			Rs. 14,00,000.00	
9.	Exhibition cabinet, display specimens, signages, exhibits etc. for developing State of Art Meseum			Rs. 7,96,940.00	

Total: Rs. 67,82,725.00

(PROJECT INVESTIGATOR)

(Signed and Stamped)

(CO-PROJECT INVESTIGATOR)

(Signed and Stamped)

(HEAD OF THE INSTITUTION)

(Signed and Stamped)

Letter of Head of Institution/Department confirming Transfer of Equipment Purchased under the Project to the Institution/Department

To,
The Convener, Mountain Division
Ministry of Environment, Forest & Climate Change (MoEF&CC)
Indira Paryavaran Bhawan
JorBagh, New Delhi-110003

Sub.: Transfer of Permanent Equipment purchased under Research Project titled “NMHS Him-Nature Learning Centre (NLC)-Manipur” funded under the NMHS Scheme of MoEF&CC –reg.

Sir/ Madam,

This is hereby certified that the following permanent equipment purchased under the aforesaid project have been transferred to the Implementing Organization/ Nodal Institute after completion of the project:

1. HD CCTV surveillance system
2. CCTV camera and 18.6” Monitor & its accessories
3. Lenova Desktop Core i3 7th Generation
4. Canon Printer- Digital
5. Canon EOS Digital Camera with 16gb Memory Card
6. Sony Bravia, 55 inches
7. Soney multimedia woofer
8. Android Touch Kiosk
9. Solar Panel for 20KW Power Generation
10. Lenovo Idea Pad Laptop
11. Project Screen-Elcor EL-120IN-MTS
12. Projector-Soney VPL-DX220
13. Samsung split AC 1.5 ton and 2 ton

Head of Implementing Organization:
Name of the Implementing Organization:
Stamp/Seal:
Date:

Copy to:

1. The Nodal Officer, NMHS-PMU, National Mission on Himalayan Studies (NMHS), G.B. Pant National Institute of Himalayan Environment (NIHE), Kosi-Katarmal, Almora, Uttarakhand-263643

Details, Declaration and Refund of Any Unspent Balance

Please provide the details of refund of any unspent balance and transfer the balance amount through RTGS (Real-Time Gross System) in favor of **NMHS GIA General** and declaration on the official letterhead duly signed by the Head of the Institution.

Kindly note the further Bank A/c Details as follows:

Name of NMHS A/c: NMHS GIA General
Bank Name & Branch: Central Bank of India (CBI), Kosi Bazar, Almora, Uttarakhand 263643
IFSC Code: CBIN0281528
Account No.: 3530505520 (Saving A/c)

In case of any queries/ clarifications, please contact the NMHS-PMU at e-mail: nmhspmu2016@gmail.com

Rs. 5,26,836.00 (Rupees Five lakh twenty-six thousand eight hundred and thirty-six only) yet to be refunded.