

**GOVERNMENT OF INDIA  
NORTH EASTERN COUNCIL SECRETARIAT  
NONGRIM HILLS SHILLONG-793003**

**Subject: Forwarding of Inspection Report**

In inviting a reference to the above subject, as requested by the concerned sector, the physical inspection of the project "**Sustainable Management of Bio-Resources through Biotechnological Interventions of Shiroi Hills and Adjacent Areas**", Manipur was carried out on 25/03/2021. The inspection report duly signed by Consultant (CE) and Consultant (ME), NEC is enclosed herewith. The project was sanctioned on 02/01/2018 at a total cost of Rs. 1151.68 lakhs. **1(one)** instalments totalling Rs. 460.67 lakhs (40% of the total approved amount) was released by NEC under **MH-2552**.

The inspection, inter alia mentioned that:

- During inspection it could be said that the work has **not yet started**. Till date the total progress of works at site was about **0.00%**.
- The following points were noted through the verbal discussion with the implementing department, regarding the **delay of the work:-**
  - The work of this project was awarded to CPWD on 2<sup>nd</sup> July, 2019, first instalment amounting to Rs. 2,46,42,254/- was accorded to CPWD for construction of Breast wall, Retaining Wall, Connecting road, Water Tank of 12000 lts, Security booth and Main Gate based on the estimates framed by some other department but not the CPWD thus a letter was received by the IBSD from CPWD stating that the CPWD cannot work on such estimates as they have their own schedule of rates and cost index.
  - A modified P.E was received from CPWD on 03/01/2020 (461<sup>C</sup> of file) for the **cost escalation upto Rs. 4,77,60,500/-** which is about **91% higher** than that of **Rs. 2,46,42,254/-** approved by NEC. Thereafter no action was taken by IBSD as the PI was not in IBSD due to completion of tenure. Upon appointment of the new Director, IBSD could proceed further with the implementation process of the project. In the meanwhile on 12<sup>th</sup> November 2020 there was also a **change in PI (472<sup>C</sup> of file)**
  - It was also informed that CPWD has initiated the work and started soil testing but no information has been passed to IBSD and PI/Engineer of the project, there was **no response including the soil testing report till date**.
- But if proper implementation the projects will be beneficial, as we know Biotechnology holds immense potential for **transforming the agricultural, horticultural and floriculture** for the state leading to significant contribution in improvement of national economy considering the numerous competitive advantages in term of scientific research and development facilities, knowledge and skill base, abundant bioresources, supportive government policies, cost effectiveness and hike market base. The Indian biotech industry is among the top 12 destination in the world and ranks second in Asia after China. Biotechnology sector in India registered a growth rate of 6.64% with Rs. 26836 crores of revenue during the FY 2014-15. The Government of India through Department of biotechnology (DBT), Ministry of Science and technology, Government of India has taken number of initiatives to accelerate the growth of biotechnology by promoting development of innovative technologies, infrastructure, human resources and industry, which has helped the sector gain global visibility.
- The State of Manipur is in advantage position to harness the potential of biotechnology due to its strength such as availability of rich bioresources and the institute which has technical expertise, knowledge base and State of the art infrastructure. Realising the potential of the State for attracting investments in biotechnology related industries
- This project aim to encourage **setting up of biotechnology units** to catalyse wealth creation through biotechnological interventions and create job opportunities.
- **Remark:**  
AS per DPR, Project is to be completed this year.  
Work awarded to CPWD on July, 2020 after one and half years of release. However, till date there's no work on the ground.

o/c

Sector may ask for confirmation of implementation of the project along with timeline within the sanctioned amount and that any additional expenditure to be borne by implementing agency.

Output outcome parameters may also be drawn up by the sector in consultation with the Agency.

- Sector to discuss with Secretary.
- A signboard acknowledging NEC funding was **not found** at site.

This is for information and necessary action by the concerned Sector.

Enclosure: As above

  
(M.Iboyaima.Meitei)  
Adviser (Agri&Allied )&  
I/o Director, (E&M)

U.O.No. NEC/EM/INSPECTION/AGRI&ALLIED/24/2018(Part)

Dated:....5...../...5...../2021

To,

Adviser(Agri & Allied), NEC



Copy to:

1. P.S to Planning Adviser, NEC for kind information of Planning Adviser
2. T.D, NIC-NEC (Shri M. Nongkhlaw) for uploading the report in the NEC website





**GOVERNMENT OF INDIA  
NORTH EASTERN COUNCIL SECRETARIAT  
NONGRIM HILLS SHILLONG-793003**

**Subject: Submission of Inspection Report of NEC funded project titled "Sustainable Management of Bio-Resources through Biotechnological Interventions of Shiroi Hills and Adjacent Areas", Manipur." under MH-2552.**

We, Aarti Khyriemujat, Consultant (CE) and Liza R Hek, Consultant (ME) have carried out the physical inspection of the project "**Sustainable Management of Bio-Resources through Biotechnological Interventions of Shiroi Hills and Adjacent Areas**", Manipur under MH-2552 on 25/03/2021. The project was sanctioned on 02/01/2018 at a total cost of Rs.1151.68 lakhs. **1 (one)** instalments totalling Rs. 460.67 /- lakh, (40% of the total approved amount) was released by NEC under MH-2552.

**Objective of the Project:-**

- Micro propagation of Liliuim mackliniae, Shiroi lily through tissue culture.
- Micro propagation of economically important Orchids or important crops.
- To initiate conservation management to maintain its habitat i.e., enhancement of species population of targeted species.
- Employment generation through Bio-enterprenuership program.
- Training and awareness to the stakeholders.

**Indication of Works as per DPR:-**

- Construction of sustainable Bio Resources Management Institute- Block A
- Construction of sustainable Bio Resources Management Institute- Block B
- Construction of Guest House at Shirui Hills
- Construction of Breast wall and Retaining wall.
- Construction of connection road 190 m and protection of drain of 320 m at project site tourist.
- Land development and allied activities.
- Construction of 2 nos. of poly houses of 100 sq. Mtr.
- Construction of 1 no. Np-3 pipe culvert 7.5 mtr width with drain on both sides.
- Construction of water tank of 1200 litre capacity
- Construction of compound wall etc.
- Construction of security booth.
- Provision of Ramp.


**Proposed Beneficiaries & Outcome of the Project:-**

**Beneficiaries:**

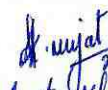
- The youth as well as the Young People of Ukhrul and in around Manipur.
- The benefit the local stake holders, optimal utilization of the inherent bioresources,

**Outcomes:**

- Utilization of knowledge base on existing academic machinery,
- Development of necessary industry-research-academia linkages and facilitate commercialization of novel technologies, facilities overall socio-economic growth and benefits
- Creating Employment opportunities for self-employed youth and other young people they employ
- Bringing alienated and Marginalized youths back into economic main stream and giving them a sense of meaning and belonging.
- Helping to address some of socio-psychological problems and delinquency that arise from joblessness.
- Helping Youths develop new skills and experiences that can be applied to other challenges of life.

  
27/4/2021  
Liza R. Hek  
Consultant (ME)


North Eastern Council Secretariat

  
27/04/21  
Aarti Khyriemujat  
Consultant (CE)  
NEC, Secretariat


**Observation mentioned in the inspection report:-**

During inspection it could be seen that:

- The work has **not yet started**. Till date the total progress of works at site was about **0.00%**.
- The following points were noted through the verbal discussion with the implementing department, regarding the delay of the work:-
  - The work of this project was awarded to CPWD on 2<sup>nd</sup> July, 2019, first instalment amounting to Rs. 2,46,42,254/- was accorded to CPWD for construction of Breast wall, Retaining Wall, Connecting road, Water Tank of 12000 lts, Security booth and Main Gate based on the estimates framed by some other department but not the CPWD thus a letter was received by the IBSD from CPWD stating that the CPWD cannot work on such estimates as they have their own schedule of rates and cost index.
  - A modified P.E was received from CPWD on 03/01/2020 (461<sup>C</sup> of file) for the **cost escalation upto Rs. 4,77,60,500/-** which is about **91% higher** than that of **Rs. 2,46,42,254/-** approved by NEC. Thereafter no action was taken by IBSD as the PI was not in IBSD due to completion of tenure. Upon appointment of the new Director, IBSD could proceed further with the implementation process of the project. In the meanwhile on 12<sup>th</sup> November 2020 there was also a change in PI (472<sup>C</sup> of file)
  - It was also informed that CPWD has initiated the work and started soil testing but no information has been passed to IBSD and PI/Engineer of the project, there was **no response including the soil testing report till date**.
- But if proper implementation the projects will be beneficial, as we know Biotechnology holds immense potential for **transforming the agricultural, horticultural and floriculture** for the state leading to significant contribution in improvement of national economy considering the numerous competitive advantages in term of scientific research and development facilities, knowledge and skill base, abundant bioresources, supportive government policies, cost effectiveness and hike market base. The Indian biotech industry is among the top 12 destination in the world and ranks second in Asia after China. Biotechnology sector in India registered a growth rate of 6.64% with Rs. 26836 crores of revenue during the FY 2014-15. The Government of India through Department of biotechnology (DBT), Ministry of Science and technology, Government of India has taken number of initiatives to accelerate the growth of biotechnology by promoting development of innovative technologies, infrastructure, human resources and industry, which has helped the sector gain global visibility.
- The State of Manipur is in advantage position to harness the potential of biotechnology due to its strength such as availability of rich bioresources and the institute which has technical expertise, knowledge base and State of the art infrastructure. Realising the potential of the State for attracting investments in biotechnology related industries
- This project aim to encourage **setting up of biotechnology units** to catalyse wealth creation through biotechnological interventions and create job opportunities.
- A signboard acknowledging NEC funding was **not found** at site.

  
27/4/2021

Liza R. Hek  
Consultant (ME)  
North Eastern Council Secretariat

  
27/4/21  
Aarti Khuric  
Consultant CCE  
NEC, Secretariat



**Report of the inspection carried on 25/03/2021 NEC funded project “Sustainable Management of Bio-Resources through Biotechnological Interventions of Shiroy Hills and Adjacent Areas”, Manipur.**

A joint inspection of the above project was carried out by the officials of NEC Secretariat, Shillong and officials of Institute of Bio Resources and Sustainable Development (IBSD), Govt of Manipur. The list of the officials present during the inspection is enclosed as Annexure-I. & The Photographs taken during inspection is enclosed in Annexure-II


**(I) BACKGROUND:**

Name of the project:	<b><u>“Sustainable Management of Bio-Resources through Biotechnological Interventions of Shiroy Hills and Adjacent areas.”</u></b>
Location:	Shiroy Hills, Manipur
Implementing Agency:	Institute of BioResources and Sustainable Development (IBSD), Manipur, A National Institute of Biotechnology, Govt. of India, Takyelpat, Imphal, Manipur
Date of Sanction:	02/01/2018
Cost of Project:	Rs. 1151.68 lakhs under MH-2552
NEC Share	Rs. 1151.68 lakhs
NEC Share released & Dates:	1 <sup>st</sup> installment of Rs. 460.67 lakhs (40%) on 02/01/2018
Total Amount Released by NEC:	Rs. 460.67 lakhs (40%)
Balance amount to be released by NEC:	Rs. 691.01 lakhs
Status of UC for NEC share :	-
Target Date of Completion:	2023
Time overrun	-

**(II) Aim of the Project:-**


- Micro propagation of Liliaceae, Shiroy lily through tissue culture.
- Micro propagation of economically important Orchids or important crops.
- To initiate conservation management to maintain its habitat i.e., enhancement of species population of targeted species.
- Employment generation through Bio-entrepreneurship program.
- Training and awareness to the stakeholders.

  
27/4/2021  
**Liza R. Hek**  
Consultant (ME)  
North Eastern Council Secretariat

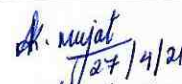
  
24/4/21  
Aarti Khyiemmyiat  
Consultant CCE  
NEC, Secretariat

**(III) Observations/ Status of works (Physical Achievements):**

Sl.no	Approved items of works	Approved Cost	Achievement found on the date of inspection	Item of Work left for Completion	Deviation	Progress	
						Physical (%)	Financia (Rs.)
1	Construction of Sustainable Bio resources Management Institute-Block(A)  (Ground Floor-189.72 Sq.Mtr and First floor-189.72 Sq mtr	Rs.9038936.00	Nil	Work not yet started	NA	0%	-
2	Construction of Sustainable Bio resources Management Institute-Block(B)  (Ground Floor-208.88 Sq.Mtr and First floor-208.88 Sq mtr	Rs.9804956.00	Nil	Work not yet started	NA	0%	-
3	Construction of Guest House at Shirui Hills(Ground Floor-102.26 Sq.Mtr and First floor-123.11 Sq mtr	Rs.5234698.00	Nil	Work not yet started	NA	0%	-
4	Construction of Breast Wall and Retaining Wall	Rs. 5228107.00	Nil	Work not yet started	NA	0%	-
5	Construction of connecting Road 190 m and Protection of drain of 320 m at project site tourist	Rs. 2488515.00	Nil	Work not yet started	NA	0%	-
6	Land Development and	Rs. 7979434.00	Nil	Work not yet started	NA	0%	-

  
Liza R. Hek  
Consultant (ME)

North Eastern Council Secretariat

  
Aarti Khysimmyat  
consultant CCEO  
NEC, Secretariat

	allied activities						
7	Construction of 2 nos of Polyhouses of 100 Sqmtr	Rs. 3006005.00	Nil	Work not yet started	NA	0%	-
8	Construction of 1 no.NP-3 pipe culvert 7.5 mtr width with drain on both sides	Rs. 878947.00	Nil	Work not yet started	NA	0%	-
9	Construction of Water Tank of 1200 litre capacity	Rs. 403205.00	Nil	Work not yet started	NA	0%	-
10	Construction of security booth	Rs. 577433.00	Nil	Work not yet started	NA	0%	-
11	Provision of Ramp	220035.00	Nil	Work not yet started	NA	0%	-
	Sub-Total	44859821.00					
	Add 1% quality control	448598.21					
	Add 1% labour Cess	448598.21					
	Add 3% contingency	1345794.63					
	Add 6.5% supervision and agency charges	2915888.37					
	Total	50018700.42					
	Equipment	60000000.00					
	Grand Total	115168700.42					
	Say	Rs.1151.68 lakhs					

#### IV) Location of the Project:-

Latitude: N 25°7.912'

Longitude: E 94°25.498'

*Liza R. Hek*

Consultant (ME)

North Eastern Council Secretariat

*A. K. Mijal*  
27/04/21  
Aarti Khyrimmijal  
Consultant (CE)  
NEC, Secretariat



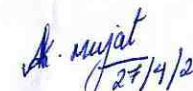
**(V) Overall Remarks and Suggestions:-**

During inspection the following observations were made:

- In conclusion to the above report, it could be said that the work has **not yet started**. Till date the total progress of works at site was about **0.00%**.
- The following points were noted through the verbal discussion with the implementing department, regarding the delay of the work:-
  - The work of this project was awarded to CPWD on 2<sup>nd</sup> July, 2019, first instalment amounting to Rs. 2,46,42,254/- was accorded to CPWD for construction of Breast wall, Retaining Wall, Connecting road, Water Tank of 12000 lts, Security booth and Main Gate based on the estimates framed by some other department but not the CPWD thus a letter was received by the IBSD from CPWD stating that the CPWD cannot work ON such estimates as they have their own schedule of rates and cost index.
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27/4/2021

Liza R. Hek  
Consultant (ME)  
North Eastern Council Secretariat

  
27/4/21  
Aarti Khyrilmoniyat  
Consultant (CE)  
NEC, Secretariat



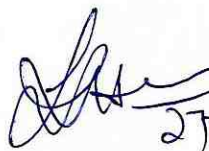
The outcomes and beneficiaries of the project can be listed as below:

**Beneficiaries:**

- The youth as well as the Young People of Ukhrul and in around Manipur.
- To benefit the local stake holders, optimal utilization of the inherent bioresources,

**Outcomes:**

- Utilization of knowledge base on existing academic machinery,
- Development of necessary industry-research-academia linkages and facilitate commercialization of novel technologies, facilities overall socio-economic growth and benefits
- Creating Employment opportunities for self-employed youth and other young people they employ
- Bringing alienated and Marginalized youths back into economic main stream and giving them a sense of meaning and belonging.
- Helping to address some of socio-psychological problems and delinquency that arise from joblessness.
- Helping Youths develop new skills and experiences that can be applied to other challenges of life.



27/4/2021

**Liza R. Hek**  
Consultant (ME)  
North Eastern Council Secretariat

A. Mijat  
27/4/21  
Aarti Khymmijet  
Consultant (CE)  
NEC, Secretariat

List of officials who were present during the inspection of NEC funded project  
**“Sustainable Management of Bioresources through biotechnology interventions of Shiroy Hills and adjacent areas of Manipur”** on 25/03/2021




Sl. No.	Name	Contact No. & Email id	Designation & Organisation/Department	Signature
1.	Dr. Pideshwari Khayam	9774029007 b.thangam of e.yadav, can	Scientist - E IBSD, Govt, Imphal	
2.	Aarti Khayemmyiat	8974593379	Consultant (CEE) NEC, Secretariat	
3.	Liza. R. Hell	9436169775	Consultant (ME) NEC, Secretariat	
4.				
5.				
6.				
7.				
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9.				
10.				





Photo of the construction site for the project "Sustainable Management of Bioresources through biotechnological intervention of Shirol hills and adjacent areas".

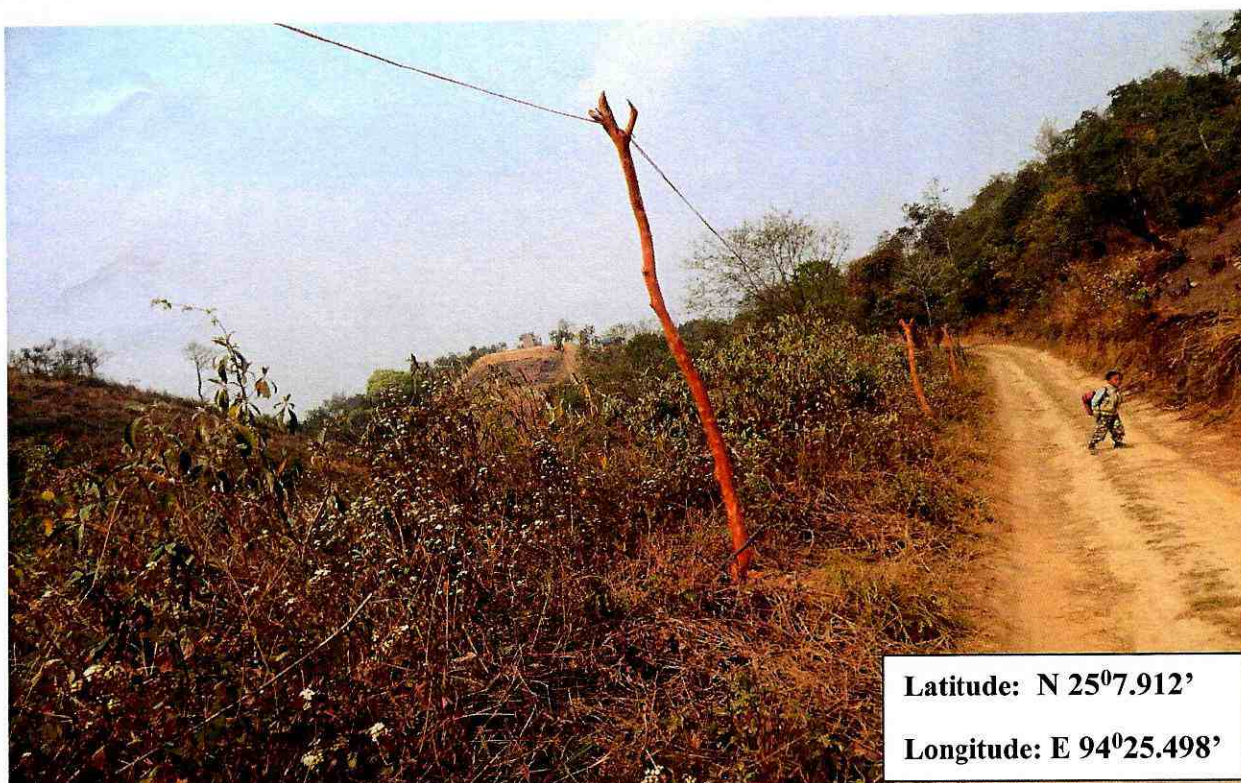


View of the construction site for the project "Sustainable Management of Bioresources through biotechnological intervention of Shirol hills and adjacent areas".

A. Mijal  
19/11/21  
Aarti Khyasammijal  
Consultant CCO  
NEC, Secretariat

  
R. Ho  
Consultant (M...)  
North Eastern Council Secretariat





Overall view of the project site and the approach road for the project "Sustainable Management of Bioresources through biotechnological intervention of Shiroy hills and adjacent areas".



Photo of the inspection team along with the official of the implementing department and headman of the village for the project "Sustainable Management of Bioresources through biotechnological intervention of Shiroy hills and adjacent areas".

*A. myat*  
19/11/21  
Aarti Khymemmyat  
Consultant CCE  
NEC, Secretariat

*[Signature]*  
Liza R. Hek  
Consultant (ME)  
North Eastern Council Secretariat