

**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 **“Horticulture Development at Nokrek region, East Garo Hills, Meghalaya”** was carried out in Meghalaya. The inspection report duly signed by the Consultant (CE), Consultant (EE) and Consultants (ME) NEC is enclosed herewith. The project was sanctioned on 23 /03/2010 at a total cost of Rs. 439.94 lakhs (NEC's share is Rs. 395.94 lakhs and State share is Rs. 43.99 lakhs). Two installments totaling Rs. 316.76 lakhs were released by the NEC.

The inspection, inter alia, mentioned that:

- NEC had sanctioned the project on 23/03/2010 and the target date of completion was three years from the date of Sanction. UC for Second Installment was submitted on 09/10/2014. No Inspection was done from NEC until 22/03/2017. Hence the project had already been delayed by 29 months.
- The beneficiaries told the Inspection team that they had grown strawberry and they even sold in the market i.e. during the year 2013-14. This plantation was continued only for one season because of less profitable returned and lack of proper market linkage but as for other plantation, it could be seen that oranges, Large cardamom and many vegetables such as tomato, chilly, eggplant, beans, lady fingers, Cucumber, cabbage, Carrot are doing well.
- The transportation of the products to different markets at present is being organized by the office using Bolero Camper allotted by NEC.
- Till date around 20 quintals of Tomato from poly houses have been sold at the village itself or in the nearby weekly market as informed by the implementing agency.
- It could be seen Kiwi, Peach, Apple and Pomegranate had also been planted and they are well grown.
- Local youth have been trained to carry out the budding operation and also to promote entrepreneurship and self employment.
- The Implementing Department and the beneficiaries informed that the project bring changes into the lives of the villagers in terms of sustainable farming, more income generation as well as conservation of the flora and fauna and also improved the rural economy of the region.

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

Enclosure: As above.


(W. Synrem)
Economic Adviser (E&M)

U.O.No.NEC/EM/INSPECTION/Agri&Allied/2012/28/Vol. 1

Dated: the 16.../06/, 2017

To,

Adviser (Agri & Allied), NEC

Handwritten signature and date: 29/06/17

Copy to,

1. P.S to Planning Adviser, NEC for kind information of Planning Adviser
2. PSA, NIC-NEC (Shri M. Nongkhlaw) for uploading the report with photograph on NEC website.

Handwritten signature and date: 29/6

Report of the inspection carried on 21/03/2017 and 22/03/2017 for the NEC funded project "Horticulture Development at Nokrek region, East Garo Hills, Meghalaya".

A joint inspection of the above project was carried out by officials of NEC Secretariat, Shillong and officials of Horticulture Department, Govt. of Meghalaya on 21/03/2017 and 22/03/2017 in East Garo Hills. The list of the officials present during the inspection is enclosed as Annexure-I. Physical and financial achievement enclosed as Annexure-II & The photographs taken during the time of inspection is enclosed as Annexure-III.

(I) BACKGROUND:

| | |
|---|--|
| Name of the project: | "Horticulture Development at Nokrek region, East Garo Hills, Meghalaya" |
| Location: | East Garo Hills, Meghalaya. |
| Implementing Agency: | Department of Horticulture , Govt. of Meghalaya |
| Date of Sanction: | 23 /03/2010 |
| Cost of Project: | Rs.439.94 lakhs |
| NEC Share (90%): | Rs.395.94 lakhs |
| State Share (10%): | Rs. 43.99 lakhs |
| NEC Share released & Dates: | 1 st installment of Rs. 158.38 lakhs on 23/ 03/2010 2 nd installment of Rs. 158.38 lakhs on 22/03/2013 |
| Total Amount Released: | Rs. 316.76 lakhs |
| Balance amount to be released by NEC: | Rs. 79.18 lakhs |
| State Share released : | Rs. 35.20 lakhs |
| Balance amount to be released by State: | Rs. 8.79 lakhs |
| Status of UC for NEC share : | UC for Rs.158.38 lakhs for 1 st installment submitted on 05/08/2011 UC for Rs.158.38 lakhs for 2 nd installment submitted on 09/10/2014 |
| Status of UC for State share : | UC for Rs 35.20 lakhs was submitted on 09/10/2014 |
| Target Date of Completion: | 3 years |

(II) Aims/Objectives of the Project: To provide direct and indirect employment to the villagers and people living in the surrounding areas; to ensure better land use through multiple cropping resulting in increased productivity; to introduce hi-tech green house concept and drip irrigation system on a pilot basis. The project further aims at promoting agriculture entrepreneurship, thereby reducing the role of middlemen in marketing.

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

| SL.no. | Scope of Work | Remarks after Site Inspection |
|--------|---|--|
| 1 | Strawberry at farmers field | During the time of inspection, the beneficiaries told the inspection team that they had grown strawberry and they even sold in the market i.e. during the year 2013-14. This plantation was continued only for one season because less profitable returned and lack of proper marketing linkage. They planted it under open area and under Greenhouse. It could be seen that due to heavy storm the green house in many areas got damaged. Some Photographs taken during the time of cultivation by the implementing agency was given to the inspection team during the time inspection. |
| 2 | Raspberry at farmers field | During the time of inspection, Inspection team could not find Raspberry plantation in some area. On enquiring about this, the Implementing Agency informed that they were asked by the beneficiaries to plant cardamom instead of Raspberry because cardamom is a high yielding crop and suits the local environment for production. |
| 3 | Vegetables at farmers field | During the time of inspection, Inspection team found few vegetables in the farmer's field but it was told by the beneficiaries that they already had grown and sold to local markets and they were fully benefited. Some Photographs taken during the time of cultivation by the implementing agency was given to the inspection team during the time of Inspection. |
| 5 | Import of new variety of orange and root stocks | During the time of inspection it could be seen that many orange trees were planted by the farmers and they were still flourishing till date (i.e. 22/03/2017). The villagers told that the implementing agency supplied the new variety of orange and root |

| | | |
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| | | stocks. |
| 6 | Water harvesting | During inspection it could be seen that water harvesting was done and from this scheme beneficiaries benefited lot. |
| 7 | Hub | Observation of this component is mentioned below. |
| 8 | Training of the staff | Implementing agency informed the inspection team that they had conducted training for the staff and it was a continuous process and time to time they were doing this. |

(IV) Observations/ Status of works (Physical Achievements) of the proposed Hub:-

| Sl.No. | Name of Materials | Remarks |
|--------|------------------------|--|
| 1. | Different Crop | During the time of inspection, Implementing agency stated that farmers had grown different crop throughout the year mainly tomato, chilly, eggplant, Beans, lady finger, cucumber, cabbage, Carrot. During interaction with the farmers they stated that they grown and sold it to local markets with the support from the state agriculture department. Some Photographs taken during the time of cultivation by the implementing agency was given to the inspection team during the time inspection. |
| 2. | Electricity Connection | Work not yet started. The Implementing Department informed that work will start only after receiving of final installment. |
| 3. | DG Set 62.5 KVA | Work not yet started. The Implementing Department informed that work will start only after receiving of final installment. |
| 4. | Water Tank | Work not yet started. The Implementing Department informed that work will start only after receiving of final installment. |
| 5. | Rest House | Work not yet started. The Implementing Department informed that work will start only after receiving of final installment. |
| 6. | Fencing | During the time of inspection it could be seen that the fencing was constructed but the Implementing Department informed that some portion got damaged by the wild elephants. Implementing |

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|-----|------------------|---|
| | | agency stated that they would repair the damaged portion as early as possible. |
| 7. | Utility Room | The Implementing Department informed that they had constructed the Utility Room. |
| 8. | Bolero Camper | During the time of inspection it could be seen that implementing agency had procured the vehicle and it was fully functional. |
| 9. | Barrack | The Implementing Department informed that they had constructed the Barrack. |
| 10. | Pump House | The Implementing Department informed that they had constructed the Barrack. |
| 11. | Store Room | Work not yet started. The Implementing Department informed that work will start only after receiving of final installment. |
| 12. | Packing House | Work not yet started. The Implementing Department informed that work will start only after receiving of final installment. |
| 13. | Packing Material | Work not yet started. The Implementing Department informed that work will start only after receiving of final installment. |
| 14. | Plastic Crates | Work not yet started. The Implementing Department informed that work will start only after receiving of final installment. |
| 15. | Refer Van | Work not yet started. The Implementing Department informed that work will start only after receiving of final installment. |
| 16. | Cold Room | Work not yet started. The Implementing Department informed that work will start only after receiving of final installment. |

(IV) Location of the Project visit by Consultants:- Rongche Chambugong : N 25.505769⁰ E 90.415690⁰
N 25.504462⁰ E 90.418777⁰
N 25.50533⁰ E 90.42065⁰
Daripokgra : N 25.49170⁰ E 90.32314⁰
N 25.49079⁰ E 90.32211⁰

(V) Overall Remarks and Suggestions:-

NEC had sanctioned the project on 23 /03/2010 and the target date of completion was three years from the date of Sanction. UC for Second Installment was submitted on 09/10/2014. No Inspection was done from NEC until 22/03/2017. Hence the project had already been delayed by 29 months. The Implementing Department informed that the scheme was implemented in 9 villages namely, Mandalgre, Rongkinggre, Bandigre, Ampanggre, Rongchek Manda, Rongchek Chambugong, Rengregre, Nengsitgre, Gonggnagre, under samanda Development block. The total number of households that has benefitted from this project is around 364 nos. i.e. 75 nos. from Mandalgre, 29 nos. from Rongkinggre, 23 nos from Bandigre, 17 nos from Amapanggre, 15 nos. from Rongchek Chambugong, 25 nos. from Rongchek Manda 50 nos. from Renggrege, 15 nos. from Nengsitgre, 40 nos from Gonggnagre. The implementing agency informed that the main aim of this project is growing of hybrid vegetables during off season, both in open and green houses for sustaining the livelihood of the villagers by selling the products to the surrounding local markets such as williamnagar and Tura. The transportation of the products to different markets at present is being organized by the office using Bolero Camper allotted by NEC. Till date around 20 quintals of Tomato from these poly houses have been sold at the village itself or in the nearby weekly as informed by the implementing agency. Implementing agency informed that this project finance by NEC has been initiated for changing the lives of the people and improved their livelihood by adopting new technologies of farming. Another intervention that has been taken up in this project was the introduction of low volume, high value, and short duration of crops like strawberry. The Implementing department informed that many fruit trees of good quality have been introduced in this region such as Kiwi, Peach, Apple and Pomegranate, orange and large cardamom. Other than this it could be seen Kiwi, Apple, Oranges, large cardamom had been planted. It was also informed that local youth have been trained to carry out the budding operation and also to promote entrepreneurship, self employment among the youth.

Many socio-economic activities include conservation of existing forest, soils, bees, animals, streams etc.also found in and around the project areas. The Implementing Department informed that due to extensive jhum cultivation virgin forest were being destroyed in this region which leads to water scarcity. Another economic activity encouraged by the implementing agency was rearing of bees. This activity has many advantages as rearing of bees has a role to play on increasing of the yield of crops through a better pollination.

The Implementing Department and the beneficiaries informed that the project bring changes into the lives of the villagers in terms of sustainable farming, more income generation as well as conservation of the flora and fauna and also improved the rural economy of the region.



(Liza R Hek)
Consultant (ME)
NEC Secretariat Shillong



(Abhijit Sarkar)
Consultant (EE)
NEC Secretariat Shillong



(Jeriel Nicholas J. Kharbhih)
Consultant (CE)
NEC Secretariat, Shillong



List of officials who were present during the inspection of NEC funded project "Horticulture Development at Nokrek Region in East Garo Hills on 22.1.23.2017

| Sl. No. | Name | Contact No. & Email id | Designation & Organisation/Department | Signature |
|---------|------------------|------------------------|---|-----------|
| 1. | Tinosh M. Sangma | 8974811213 | Beneficiaries | TSP |
| 2. | Purumson | | Beneficiaries | PSA |
| 3. | Jolpored Monia | 8575802991 | Beneficiaries | SPR |
| 4. | Benson Marak | | Beneficiaries | |
| 5. | James Marak | | Beneficiaries | Inda |
| 6. | Bijon Sangma | | Beneficiaries | S. V. S |
| 7. | Pengon Sangma | | " | PMK |
| 8. | Jonistam Marak | | " | Juk |
| 9. | Marilla Marak | | " | Mark |
| 10. | Michael Marak | | Head man Durama Ampa NURE Beneficiaries | N. Marak |

11. Shri. Williamson
12. Shri. Gobin Marak
13. Smt. Single Marak
14. Mrs. Denila Marak
15. Smt. Priyilla Marak
16. Shri. Loting Sangma
17. Shri. Bakking N. Marak
18. Shri. Gualat
19. Smt. Dmatok
20. Shri. Marak
21. Shri. Marak

| <u>Srno</u> | <u>Name</u> | <u>Designation</u> | <u>Contact no</u> | |
|-------------|-----------------------|--|-------------------|--------|
| 1. | Shri B.G. Mooni | SttO. Wangan | 9436112190 | 76 |
| 2. | Shri M.D. Shastri | HDO (Hort) Directorate of Horticulture | 9436107189 | 76 |
| 3. | Shri Sijang Sangma | HDO Samianda | 8730060497 | Sangma |
| 4. | Shri Vasanti R. Marak | A.D.O (mkt) Wihimnagan. | 9774478852 | Marak |
| 5. | Shri. Zuo Njam | HDO Rongyung | 8535024883 | |
| 6. | Tarief Kharbkih | Consultant (CE) | 9436535668 | |
| 7. | ABHJIT SARKAR | Consultant (EE) | 8132853127 | |
| 8. | Liza - R. Hek | Consultant (HE) | 9774335292 | |


Beneficiaries

13. Govt Tumilla Ch. Marak

T. Marak

**PHYSICAL AND FINANCIAL ACHIEVEMENT REPORT UNDER HORTICULTURE DEVELOPMENT AT
NOKREK REGION UNDER NECFOR THE YEAR 2013 – 14**

| Sl. No. | Component | Achievement Report | | | | Remarks |
|---------|---|---------------------|---------------------|-------------|-------------|-----------|
| | | Physical | | Financial | | |
| | | Target | Achievement | Target | Achievement | |
| 1 | 21 – Materials & Supplies | | | | | |
| | a. Mandalgre New orange and root stocks (Mandalgre Hub) | 1200m ² | 1200m ² | 2238600 | 2238600 | Completed |
| | b. Raspberry cultivation | 4000m ² | 4000m ² | 627556 | 627556 | Completed |
| | c. Raspberry Cultivation at farmer's field | 36000m ² | 36000m ² | 5648004 | 5648004 | Completed |
| | d. Strawberry cultivation | 16000m ² | 16000m ² | 2370488 | 2370488 | Completed |
| | e. Poly House construction | 500m ² | 500m ² | 878000 | 878000 | Completed |
| | f. Vegetable cultivation | 9000m ² | 9000m ² | 946980 | 946980 | Completed |
| | g. DS Set 62 KVA | 1 | 1 | 850000 | 850000 | Completed |
| 2 | 50 – Other Charges | | | | | |
| 3 | 53 – Major Works | | | | | |
| | A. Construction of water harvesting structure at: | | | | | |
| | a. Bandichiri | 1 | 1 | 256300 | 256300 | Completed |
| | b. Mandalchiring | 1 | 1 | 279300 | 279300 | Completed |
| | c. Dali chiringAmpanggre | 1 | 1 | 261300 | 261300 | Completed |
| | d. Gonggimagrechling | 1 | 1 | 283700 | 283700 | Completed |
| | B. Barrack construction | 1 | 1 | 820000 | 610000 | Completed |
| | TOTAL | | | 1,54,60,228 | 1,54,60,228 | |


 District Horticulture Officer,
 East Garo Hills, Williamnagar.



View of orange trees cultivated by the beneficiaries



View of cardamom trees cultivated by the beneficiaries



View of cardamom bud coming out of the trees



View of orange trees cultivated by the beneficiaries



View of irrigation system implemented by the implementing agency



View of paddy field benefitted by the irrigation system



Inspection team in front of the core wall filled dam for water harnessing



Inspection team interacting with the beneficiaries



Inspection team with the implementing agency officials and beneficiaries



Damaged greenhouse at the Rongchek Chambugong village



View of Water Harvesting



View of Orange Trees



View of Vegetables grown in damage green house



View of Barbwire fencing damage



View of Wild Elephant Footprint as shown by Implementing Department

