

File No. 3-25/2016-OP (SB)
Government of India
Ministry of Agriculture and Farmers Welfare
Department of Agriculture, Cooperation and Farmers Welfare
Shastri Bhawan, New Delhi
Dated the 21st September, 2016

To

1. The Director of Agriculture & State Mission Director (NMOOP), Government of Nagaland, Kohima, Nagaland.
2. The Director, Indian Institute of Oil Palm Research (IOPR), ICAR, Pedavgei, Andhra Pradesh.
3. Professor and Dean, SASRD, Nagaland University, Medziphema, Dimapur, Nagaland.
4. CEO, M/s. Shivasais Oil Palm Limited, Plot No. 7A, Industrial Estate, Eluru-534007, West Godavari Dist., Andhra Pradesh.

Sub: Tour Report of a team visited to Nagaland State from 07th -09th September, 2016 -reg.

Sir/Madam,

I am directed to forward here with the tour report of a team visited to Nagaland State from 07th-09th September, 2016 to assess the conditions and management of oil palm nurseries, approximate nos. of seedlings available in the nurseries for plantation during 2016-17 and plantation areas/site selected for oil palm processing mill.


2. The team has made following suggestions from i to xiii on the page no 5-6 of the report for smooth development of oil palm in the State for which follow up actions have to be taken by the different stakeholders of oil palm sector:

- (i) Government of Nagaland- action point nos. i, ii, iii, iv, v, vi, xi, xii & xiii
- (ii) M/s. Shivasais Oil Palm Limited- action point nos. viii, ix & x
- (iii) IOPR & SASRD, Nagaland University, Medziphema- action point no. vii

3. You are requested to kindly take further necessary action in the matter under intimation to this Department.

Yours faithfully,

Encl: As above


(M.N. Sukumaran)
Director (Oilseeds)
Ph:- 011-23382021

Copy to:

- (i) Agriculture Production Commissioner (Agri.), Government of Nagaland, Kohima.
- (ii) ADG (Horti.), ICAR, Krishi Anusandhan Bhawan-II, Pusa, New Delhi.
- (iii) Dr. L. Tonpang Longkumer, Associate Professor & Head, Department of Agronomy, Nagaland University.
- (iv) Dr. Barun Singh, Assistant Professor, College of Horticulture & Forestry, Central Agricultural University, Pasighat, Arunachal Pradesh.

Tour Report of team visited to Nagaland State from 7th to 9th September, 2016

A team comprising of Sh. Ranvir Singh, Assistant Director (Oil Palm), DAC&FW, Dr. L. Tongpang Longkumer, Associate Professor & Head, Department of Agronomy, Nagaland University and Dr. Braun Singh, Assistant Professor, College of Horticulture and Forestry, CAU, Pashighat, Arunachal Pradesh visited Nagaland State from 7th to 9th September, 2016. The objective of visit was to assess the conditions and management of oil palm nurseries, approximate numbers of seedling in the nurseries for plantation during 2016-17 and plantation areas / site selected for oil palm processing mill. The following officers from the Govt. of Nagaland and the company viz; M/s. Shivasais Oil Palm Ltd. were also joined the team:

1. Shri Imtitemjen, Additional Director Agriculture,
2. Shri L. Hangsing, Deputy Director Agriculture,
3. Shri Remphamo, DAO Dimapur
4. Shri Kilangchuba, AFA Directorate
5. Shri Mongosanger, Agriculture Officer, Dimapur
6. Shri Santsu kithan, SDAO, Jalukie, Sub-Division of Paren District
7. Shri Y.S. Ranganakulu, CEO, M/s. Shivasais Oil Palm Limited
8. Shri Nagaraju, Manager, M/s. Shivasais Oil Palm Limited

2. State has a potential of about 50,000 ha area for oil palm cultivation in 8 districts viz; Dimapur, Peren, Mokochung, Wokha, Mon, Longleng, Phek and Zunheboto. Department of Agriculture is a nodal agency for implementing the oil palm development programme in their State. Out of four major entrepreneurs viz; M/s. Shivasais Oil Palm Limited, M/s. Ruchi Soya Industries Ltd., M/s. 3F Oil Palm and M/s. Equator Oil Palm Ltd., who have shown interest for oil palm development in the State, one entrepreneur viz; M/s. Shivasais Oil Palm Ltd. has signed MOU with State Govt. for establishment of oil palm seedling nurseries and oil palm processing mill in the State. The company has established three oil palm nurseries in Paren, Dimapur and Mokochung districts. The location-wise detail of nurseries is given below:

Sl. No.	Location	Nos. of Seedlings	Duration/ Stage of seedlings	Source
1.	Jalukie	54261	13 months/secondary stage	OPIL
2.	4 th Mile at Dimapur	47910	12 months/secondary stage	OPIL
3.	Tuli	50762	11 months/secondary stage	OPIL
	Total	152933		



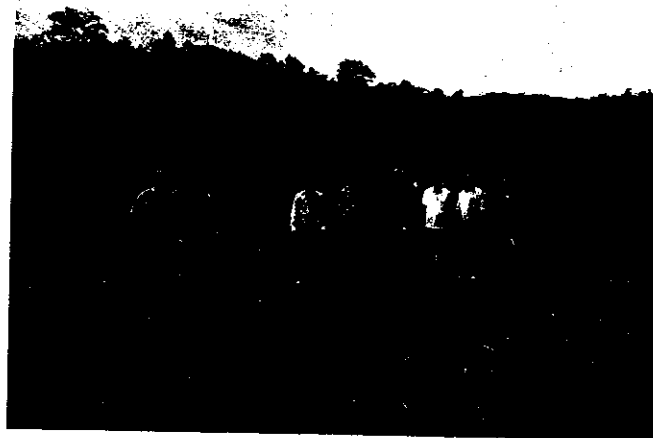
3. The site for establishment of oil palm processing mill has also been selected in the industrial estate at Ganeshnagar town of Dimapur district.

4. Govt. of Nagaland is implementing the oil palm development programme under NMOOP from 2014-15. During the year 2014-15, an amount of Rs. 67.94 lakh was provided to the State for construction of water harvesting structure, vermi-compost and training of farmers & officers, which are pre-activities, needed before plantation. Simultaneously, an amount of Rs. 64.22 lakh were released to the State for achieving 550 ha area under oil palm cultivation during the year 2015-16. But, only 140 ha area was achieved under oil palm due to non-availability of planting material. Govt. of India has approved AAP of the State of Nagaland with an amount of Rs. 326.17 lakh (GOI) for implementation of MM-II under NMOOP during the year 2016-17. A target of 1200 ha area has been assigned to the State for oil palm cultivation. As first installment of the funds Rs. 148.30 lakh has been released to the State for implementation of MM-II.

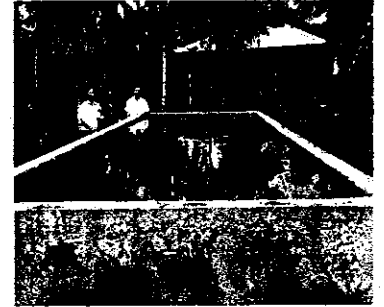
5. Govt. of Nagaland is also implementing Mini Mission-I of NMOOP for Oilseeds development in the State. Soybean and mustard are two major oilseeds crops in the State. Soybean is grown both in Kharif and Rabi season over an estimated area of about 70,000 ha, which is largely uses as pulse rather than oilseeds. State has given an indent to National Seed Corporation (NSC) for supply of 30 MT seeds of soybean under Minikit programme for Rabi 2016-17, which should be supplied in the month of October, 2016.

07/09/2016

The team visited oil palm nursery, established by the company at Jalukie sub division of Paren district. It has been observed that there are about 54000 nos. of seedling available in the nursery which are 13 month old and having 8-9 leaves. They were not applied water in the nursery after application of fertilizer due to electricity problem. Due to non-availability of water, the seedling in the nursery could not attain the proper growth and stage for planting. The company has tried to dig two bore-wells which are not successful. There is also problem of power supply.

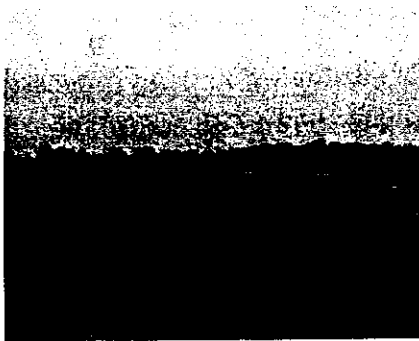
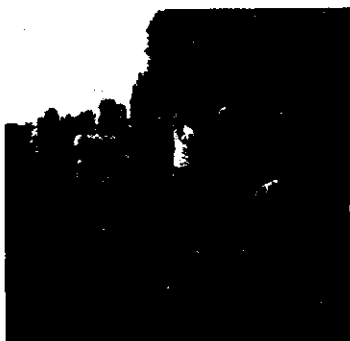


The team also visited to oil palm plantation areas in Paren district. We met a farmer namely; Mr. Beshuku, at Gaili village, who has made oil palm plantation in 2 hectare lands in last year. He has planted 6 month old seedlings in his field which were brought from the Assam State. The oil palm plantations are found healthy and growing well.



08/09/2016

The team visited at Hevishe village in Dimapur district. The team interacted with the three farmers namely; Sh. Pikato, Sh. Shekhetto & Sh. Mulato who were available in their fields. These farmers have total 60 hectare agriculture land. Out of which, they have made oil palm plantation in 15 hectare area during the month of July to August, 2016. Mr. Mongosangr, Agriculture Officer of that area was available with the farmers. The assistance available under NMOOP for oil palm cultivation, yield, importance and income from oil palm plantation and package of practices for growing oil palm were made aware to the farmers.



Visited to oil palm nursery at 4th Mile of Dimapur. There are 47910 nos. seedlings which are 11th to 12th month old and having 8-9 leaves. Poor nutrient management and inadequate space in between of seedlings was noticed. About 60% of seedlings in nursery are healthy which can be distributed to the farmers for planting immediately. Further, the representatives of the company were advised to maintain the remaining seedlings carefully with timely application of fertilizer and irrigation.



09/09/2016

The team visited to the selected site for oil palm processing mill at Ganeshnagar town of Dimapur district. Govt. of Nagaland has allotted 25 acres land to the company for setting up the oil palm processing mill on the lease basis. The land is owned by the industrial department of Govt. of Nagaland, which is developed as industrial estate. The selected site for processing mill is suitable which will cover Dimapur and Paren district. The company has submitted a lay out of the proposed oil palm processing mill during March, 2016 to the Govt. of Nagaland.



Visited to at Dayapur village in Dimapur district. Wherein, oil palm plantations are made in 3 ha area during the last year. The plantations are healthy and growing well.

Observations:

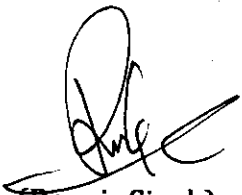
- The seedling in the nurseries could not attain the proper growth and stage for main field planting due to moisture stress, poor nutrient management and inadequate space.
- In the nurseries, about 60% seedlings are healthy and having 8-9 leaves which can be planted immediately and the remaining 40% seedlings should be maintained properly by the company which can be planted by the end of January, 2017.
- The communication gap between the M/s. Shivasais Oil Palm Ltd. and the Dept. of Agriculture resulting into poor coordination.
- It could have avoided many management and technical problems if initially it had been implemented in phased manner, instead of covering the entire state simultaneously.
- The previous year plantations were found healthy and growing well.
- The farmers are not aware about the rate of financial assistance available under NMOOP and they also need to be trained for oil palm cultivation.
- No water harvesting structure/ponds/tanks and vermi-compost units were constructed on the field of farmers at Hevishe of Dimapur district.
- The soils in the State are very rich in organic matter and nutrients and there is rainfall occurs in 10 month of the year, which is most suited for oil palm plantation.

Suggestions:

- i. Regular visits should be undertaken by the State Govt. officials in order to ensure quality and timely availability of planting material.
- ii. Construction of water harvesting structure / ponds with supplied of diesel / electric pump sets and construction of vermi-compost units may be prioritised on the farmers field before making oil palm plantation.
- iii. Since, oil palm is new crop in the State of Nagaland, therefore, there is need to be adopt cluster approach for oil plantation. In the phased manner, atleast 3000 to 5000 ha area should be achieved so that one mill could operate successfully in Dimapur district.
- iv. State Govt. should provide oil palm area expansion target for the next five years to the company so that the seedling could be arranged/developed on time.
- v. State Govt. should make arrangements for power supply at Jalukie nursery.
- vi. State Govt. should help to the company in the appointment of local technical field staff for management of nurseries.

- vii. Package and practices for cultivation of oil palm in NE States including Nagaland is need to be developed by the Indian Institute of Oil Palm Research (IOPR). *For this, collaborative trial may be undertaken with Nagaland University SASRD, Medziphema.*
- viii. Use proper space after shifting the seedling in the secondary stage.
- ix. A register should be maintained by the company for all the nurseries.
- x. Sprinkler sets to be setup by the company for proper irrigation of seedlings in the nursery.
- xi. State officials along with progressive farmers may be deputed to Mizoram and IOPR, Pedavegi for training in oil palm cultivation.
- xii. State should ensure irrigation infrastructure facilities and vermi-compost units on the field of farmers at time of plantation.
- xiii. More emphasis should be given on proper training and awareness creation among the farming community.

A meeting was attended on 08.09.2016, in the chamber of Agriculture Production Commissioner (APC) in Secretariat at Kohima. During the meeting, the observations of the team about the field visit of nurseries and plantation areas were apprised to the APC, who agreed that about 60% of the oil palm seedlings stock in the nurseries have good health can be utilized for main field planting during the month of September, 2016. The remaining i.e. 40% seedlings, are required proper management which can be utilized for planting in the main field by end of January, 2017. So that atleast an area of 1100 ha against of target of 1200 ha could be achieved under oil palm during the year 2016-17. He also asked the CEO of the company to maintain the oil palm seedling nurseries in proper way, by providing proper space between seedlings, application of the plant nutrients and irrigation on timely as suggested by the team. He also asked the company to appoint trained technical staff for proper management of the nursery and to advise the farmers for oil palm cultivation.



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