

GOVERNMENT OF INDIA
MINISTRY OF AGRICULTURE AND FARMERS WELFARE
DEPARTMENT OF AGRICULTURE AND FARMERS WELFARE

LOK SABHA
UNSTARRED QUESTION NO.254.
TO BE ANSWERED ON THE 30TH NOVEMBER, 2021

NATIONAL EDIBLE OIL MISSION-OIL PALM.

254. SHRI SANJAY SADASHIVRAO MANDLIK:
SHRI RAVI KISHAN:
SHRI PRATAPRAO JADHAV:
SHRI MANOJ TIWARI:
SHRI SUDHEER GUPTA:
SHRI SUBRAT PATHAK:
SHRI SHRIRANG APPA BARNE:
SHRI BIDYUT BARAN MAHATO:
SHRI SRIDHAR KOTAGIRI:
SHRI RAVINDRA KUSHWAHA:

Will the Minister of Agriculture and Farmers Welfare कृषि और किसान कल्याण मंत्री be pleased to state:

- (a) whether it is a fact that India is the world 's biggest importer of edible oils, of which palm oil constitutes the maximum, if so, the details thereof;
- (b) whether the Government has launched a National Edible Oil Mission-Oil Palm (NMEO-OP) to make the country self-sufficient in cooking oils, including palm oil and reduce the country 's dependency on imports, if so, the salient features of the said mission and the details of funds sanctioned and released by the Government for the above said mission;
- (c) whether palm cultivation is good for the environment, if so, the details thereof;
- (d) whether the Government has identified/selected any particular area for cultivation of palm and edible oilseeds, if so, the details thereof;
- (e) whether palm cultivation requires a lot of water, if so, the steps being taken to meet the same;
- (f) the details of facilities likely to be provided by the Government to farmers to promote farming to produce palm oil and other edible oilseeds; and
- (g) whether the Government is also considering to provide financial assistance to the farmers for the same and if so, the details thereof?

ANSWER

MINISTER OF AGRICULTURE AND FARMERS WELFARE

कृषि और किसान कल्याण मंत्री

(SHRI NARENDRA SINGH TOMAR)

(a&b): During the year 2020-21, India imported 133.5 lakh tonnes of edible oil, out of which the share of palm oil was around 56 %. The **National Mission on Edible Oils - Oil Palm (NMEO-OP)** has been launched with the aim to augment the availability of edible oil in the country by harnessing area expansion, increasing crude palm oil production with the aim to reduce the import burden. The salient features of NMEO-Oil palm include assistance for planting material, inputs for intercropping upto gestation period of 4 years and for maintenance, establishment of seed gardens, nurseries, micro irrigation, bore well/pumpset/water harvesting structure, vermi compost units, solar pumps, harvesting tools, custom hiring centre cum harvester Groups, farmers and officers training, and for replanting of old oil palm gardens etc.

The total approved cost of the NMEO (Oil Palm) Scheme is **₹ 11,040 crore, out of which ₹ 8844 crore is Central share and ₹ 2196 crore state share.** For the year 2021-22, a total of Rs 10422.69 lakh has been approved for various state annual action plans.

(c& d):The Reassessment Committee of ICAR- Indian Institute of Oil Palm Research (IIOPR) 2020 has assessed around 28 lakh hectares potential for oil palm cultivation. While assessing the potential area, ICAR-IIOPR considered all the environmental and bio diversity parameters and recommended its cultivation in selected districts and states. The state-wise potential area assessed by ICAR-IIOPR in 2020 in India is given in **Annexure- I.**

Annual edible oilseeds viz; soybean, rapeseed and mustard, groundnut, sesame, sunflower, safflower and niger are also grown in the country. Potential districts for these crops have been identified on the basis of land suitability and average yield.

(e): As per ICAR-IIOPR, oil palm requires less water compared to crops like rice, banana and sugarcane for its optimum cultivation. Under the Mission emphasis has been given to promote micro irrigation and water conservation in oil palm for efficient water management and judicious use of water.

(f&g): The rate of assistance for various components under NMEO (OP) is given in **Annexure-II.** For oilseeds, assistance is being provided under National Food Security Mission (Oilseeds) (NFSM-OS) which has three broad interventions viz., seed components, production inputs and transfer of technology. The rate of Assistance of various components under NFSM (OS) is given in **Annexure-III.**

Annexure-I

Referred to in reply to part (c) to (d) of Lok Sabha Unstarred question No. 254 for 30.11.2021 Regarding “ NATIONAL EDIBLE OIL MISSION-OIL PALM” asked by Shri Sanjay SadashivraoMandlik, Shri Ravi Kishan, Shri PratapraoJadhav, Shri Manoj Tiwari, Shri Sudheer Gupta, Shri Subrat Pathak, Shri ShrirangAppaBarne, Shri BidyutBaranMahato, Shri Sridhar Kotagiri and Shri RavindraKushwaha.

The state-wise potential area assessed by ICAR-IIOPR in 2020 in India

| Sl. No | State | Potential Area(ha) | No. of Districts |
|--------|-------------------|---------------------|------------------|
| 1 | Andhra Pradesh | 531379 | 10 |
| 2 | Chhattisgarh | 57149 | 15 |
| 3 | Gujarat | 62361 | 14 |
| 4 | Goa | 2000 | |
| 5 | Karnataka | 72642 | 15 |
| 6 | Odisha | 34291 | 17 |
| 7 | Tamil Nadu | 95719 | 17 |
| 8 | Telangana | 436325 | 27 |
| 9 | Kerala | 43676 | 8 |
| 10 | Bihar | 123148 | 35 |
| 11 | Madhya Pradesh | 118079 | 29 |
| 12 | Maharashtra | 162210 | 28 |
| 13 | Uttar Pradesh | 48663 | 9 |
| 14 | West Bengal | 45463 | 11 |
| 15 | Arunachal Pradesh | 133811 | 11 |
| 16 | Andaman & Nicobar | 3000 | NA |
| 17 | Assam | 375428 | 10 |
| 18 | Manipur | 66652 | 6 |
| 19 | Meghalaya | 122637 | 4 |
| 20 | Mizoram | 66792 | 8 |
| 21 | Nagaland | 51297 | 6 |
| 22 | Tripura | 146364 | 4 |
| | Total | 2799086 | 284 |

Annexure-II

Referred to in reply to part (f) & (g) of Lok Sabha Unstarred question No. 254 for 30.11.2021 Regarding “ NATIONAL EDIBLE OIL MISSION-OIL PALM” asked by Shri Sanjay SadashivraoMandlik, Shri Ravi Kishan, Shri PratapraoJadhav, Shri Manoj Tiwari, Shri Sudheer Gupta, Shri Subrat Pathak, Shri ShirangAppaBarne, Shri BidyutBaranMahato, Shri Sridhar Kotagiri and Shri RavindraKushwaha.

Rate of Assistance of Various components under NMEO (OP)

| S. No | Components | Assistance (2021-22 to 2025-26) | | | | | | | | | | | | | | |
|----------------------|---|---|--------------|----------------------------------|-----------------------|-----------------|---|---|------------------|-------|----------------------|------|--------------|-------|-----------------|--------|
| 1 | Planting Material | For purchasing of planting material, during 1st year, ₹ 20,000/ha for indigenous & ₹ 29,000/ ha for imported seedlings (including transport cost) will be provided to the farmers for entire land holding. | | | | | | | | | | | | | | |
| 2 | Management upto gestation period (4 yrs) | During gestation period for 4 years, ₹ 42,000/ha will be provided to farmers in General States & ₹ 50,000/ha for NE States and Andaman & Nicobar Islands for inter-cropping and maintenance cost. | | | | | | | | | | | | | | |
| 3 | Inputs for intercropping | | | | | | | | | | | | | | | |
| 4 | Establishment of Seed Gardens | One time assistance as subsidy for necessary infrastructure & setting up of new seed garden (capacity 10.00 lakh seedlings per year) having at least 15 ha area will be provided as per table given below: <table border="1" style="margin-left: 20px;"> <thead> <tr> <th>Crop</th> <th>One time grant (₹/garden)</th> <th>Revolving fund</th> </tr> </thead> <tbody> <tr> <td>Oil palm</td> <td>₹ 40.00 for ROI and ₹ 50.00 for NE states and Andaman & Nicobar Islands</td> <td>₹ 40.00 for ROI and ₹ 50.00 for NE states and Andaman & Nicobar Islands</td> </tr> </tbody> </table> <p>ii) For nursery ₹ 40.00 lakhs for ROI and ₹ 50.00 lakhs for NE states and Andaman & Nicobar Islands</p> | Crop | One time grant (₹/garden) | Revolving fund | Oil palm | ₹ 40.00 for ROI and ₹ 50.00 for NE states and Andaman & Nicobar Islands | ₹ 40.00 for ROI and ₹ 50.00 for NE states and Andaman & Nicobar Islands | | | | | | | | |
| Crop | One time grant (₹/garden) | Revolving fund | | | | | | | | | | | | | | |
| Oil palm | ₹ 40.00 for ROI and ₹ 50.00 for NE states and Andaman & Nicobar Islands | ₹ 40.00 for ROI and ₹ 50.00 for NE states and Andaman & Nicobar Islands | | | | | | | | | | | | | | |
| 5 | Drip irrigation | As per PMKSY norms | | | | | | | | | | | | | | |
| 6 | Bore well/ Pump set/water harvesting structure/ Vermi compost unit | As per MIDH guidelines Solar pumps: As per PM-KUSUM norms | | | | | | | | | | | | | | |
| 7 | Harvesting tools | Assistance as under <table border="1" style="margin-left: 20px;"> <thead> <tr> <th>Tools</th> <th>₹ per unit</th> </tr> </thead> <tbody> <tr> <td>Cutter</td> <td>2500</td> </tr> <tr> <td>Wire Mash</td> <td>20000</td> </tr> <tr> <td>Motorized chisel</td> <td>15000</td> </tr> <tr> <td>Potable ladder/polls</td> <td>5000</td> </tr> <tr> <td>Chaff Cutter</td> <td>50000</td> </tr> <tr> <td>Tractor Trolley</td> <td>200000</td> </tr> </tbody> </table> | Tools | ₹ per unit | Cutter | 2500 | Wire Mash | 20000 | Motorized chisel | 15000 | Potable ladder/polls | 5000 | Chaff Cutter | 50000 | Tractor Trolley | 200000 |
| Tools | ₹ per unit | | | | | | | | | | | | | | | |
| Cutter | 2500 | | | | | | | | | | | | | | | |
| Wire Mash | 20000 | | | | | | | | | | | | | | | |
| Motorized chisel | 15000 | | | | | | | | | | | | | | | |
| Potable ladder/polls | 5000 | | | | | | | | | | | | | | | |
| Chaff Cutter | 50000 | | | | | | | | | | | | | | | |
| Tractor Trolley | 200000 | | | | | | | | | | | | | | | |
| 8 | Custom hiring centre cum Harvester Groups | Custom hiring centre cum FFBS harvester group by processors/ State/ SHGs/ FPOs/ Registered societies will be created in each states One time grant for ₹ 25.00 lakh per unit for equipment, tools, training, contingencies, maintenance etc. | | | | | | | | | | | | | | |
| 9 | Oil Palm processing Mills | For NE states and Andaman & Nicobar Islands 50 % of the cost limited to ₹ 500.00 lakh for a unit of 5.00 MT/Hr for new oil palm Mill with pro rata increase. | | | | | | | | | | | | | | |

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|-----------|---|--|
| 10 | Special Package for NE states and Andaman & Nicobar Islands | (i). 50% of the actual cost and 20% of total outlay on Oil Palm for roads from field to nearest FFB collection/ processing centre. (ii) Assistance for clearance of land before oil palm plantation (₹ 3000/- per ha) (iii) Half-moon terrace (₹ 4000/- per ha) (iv) Bio fencing with bamboo and other means in oil palm field by way of 11 suitable fencing (₹ 4000/- per ha). (v) Integrated farming system @ ₹ 10000 for back yard poultry, animal, fodders, kitchen gardening etc. |
| 11 | Farmers & Officers training | i. Farmers Training: ₹ 30000/- per training for a batch of 30 farmers for 2 days (@ 500/- per participant per day). ii. Input dealers included. iii. Officers training ₹ 40000/- per training for a batch of 20 officers for 2 days. (@ 1000/- per participant per day). |
| 12 | Replanting of old oil palm garden | After 25-30 years of age one time grant 50% of the cost @ ₹ 250/- per plant (uprooting, replacing, and digging of new pit) will be provided for replanting of old gardens. State holders: State/ processors |
| 13 | R&D and Centre of Excellence | Need based support to ICAR/SAUs/CAU |

Annexure-III

Referred to in reply to part (f) & (g) of Lok Sabha Unstarred question No. 254 for 30.11.2021 Regarding “ NATIONAL EDIBLE OIL MISSION-OIL PALM” asked by Shri Sanjay SadashivraoMandlik, Shri Ravi Kishan, Shri PratapraoJadhav, Shri Manoj Tiwari, Shri Sudheer Gupta, Shri Subrat Pathak, Shri ShirangAppaBarne, Shri BidyutBaranMahato, Shri Sridhar Kotagiri and Shri RavindraKushwaha.

Rate of Assistance of Various components under NFSM (OS)

| SN | Components | Pattern of sharing | Rate of Assistance |
|----|---|--------------------|---|
| 1 | Purchase of breeder seed / parental lines (for production of hybrid seed) | 100% | NFSM-OS will support purchase of breeder seeds from ICAR/SAUs etc. by the Central/State/Seed Agencies at the full cost of breeder seeds as fixed by the Seeds Division of the DAC&FW. |
| 2 | Production of Foundation seed | 60:40 / 90:10 | Rs. 2500/quintal for all varieties/hybrids released during last 10 years and Additional assistance of Rs.100/qtl on the varieties/hybrids released in last 5 years. 75% of subsidy amount is meant for farmers and 25% for seed producing agencies for meeting expenditures towards certification & production etc. |
| 3 | Production of certified seed | 60:40 / 90:10 | -do- |
| 4 | Distribution of certified seed | 60:40 / 90:10 | 50% of the cost limited to Rs.4000/quintal for varieties/composites of all oilseeds except sesame which are not older than 15 years. |
| | | | Hybrids: Assistance for distribution of certified hybrids seeds @ 50% of the cost with a ceiling of Rs.8000/qtls of hybrids and sesame varieties, which are not older than 15 years. |
| 5 | Distribution of Minikit | 100% | Allocation will be made @ 1 minikit for every 25 ha area each crop @ 100% cost reimbursement. |
| | | | Agencies: NSC/NAFED/KRIBHCO/IFFCO/HIL/IFFDC/Central Multi-State Cooperatives such as NCCF/Identified SSCs. |
| 6 | Seed Hub | 100 % | Rs. 1.50 crore per seed hub. |
| 7 | Seed Infrastructure Development | 60:40 / 90:10 | 50% assistance of the cost to States and their Agencies <ul style="list-style-type: none"> • 75% assistance of the cost to Central Seed Producing Agencies • 100% assistance of the cost to SAUs/KVKs. |
| 8 | Seed Storage Bins | 60:40/ 90:10 | 25% of the cost limited to Rs. 1,000/- per bin of 1 -10 quintals capacity. |
| SN | Components | Pattern of sharing | Rate of Assistance |
| 9 | Plant Protection Equipments | 60:40/90:10 | For manual sprayers: Knapsack/foot operated sprayers and eco friendly light trap (NCIPM), @ 40% of the |

| | | | |
|----|--|-----------------|--|
| | including eco - friendly light-trap (NCIPM Model) and seed treating drum. | | <p>cost of procurement subject to a ceiling of Rs. 600/- per equipment (additional 10% assistance to SC / ST / Small / Marginal Farmers / Women, Groups >5 members FPOs and NE States to a ceiling of Rs. 750/- per unit). Seed treating drum with a capacity of 20 kg and 40 kg @ 50% assistance subject to ceiling of Rs. 1750/- and Rs. 2000/- per unit respectively.</p> <p>For Knapsack power sprayers (capacity below 16 litres) @ 50% of the cost of procurement subject to a ceiling of Rs. 3000/- per unit (additional 10% assistance to SC / ST / Small / Marginal Farmers / Women, Groups >5 members FPOs and NE States to a ceiling of Rs.3800/- per unit).</p> <p>For Knapsack power sprayers (capacity above 16 litres) @ 40% of the cost of procurement subject to a ceiling of Rs. 4000/- per unit (additional 10% assistance to SC / ST / Small / Marginal Farmers / Women, Groups >5 members FPOs and NE States to a ceiling of Rs. 5000/- per unit).</p> |
| 10 | Plant Protection Chemicals | 60:40/ 90:10 | Need based supply of PP chemicals, insecticides, fungicides, bio-pesticides, weedicides, Bio-agents, micronutrients, bio-fertilizers etc @ 50% of the cost limited to Rs 500/- ha. |
| 11 | Distribution of gypsum/pyrite/ liming / dolomite / Single Super Phosphate etc. | 60:40/ 90:10 | 50% cost of the material + transportation limited to Rs. 750/- per ha. whichever is less. Sulphur 80% WDG as alternative source of Sulphur is also included as new component. |
| 12 | Nuclear Polyhedrosis Virus (NPV) | 60:40/ 90:10 | 50% of the cost limited to Rs 500/ha for NPV. |
| 13 | Supply of Rhizobium culture/PSB/ZSB)/ Azatobactor/ Mycorrhiza etc | 60:40/ 90:10 | Support would be provided to State Department of Agriculture (under AAP) @ 50% of the cost of the culture subject to maximum of Rs. 300 per ha for culture in powder/granules/ liquid forms. |

| 14 | Supply of Improved farm implements | 60:40/ 90:10 | <p>Manually/Bullock drawn implements including Chiseller @ 40% of the cost limited to Rs. 8000/- per implement (additional 10% assistance to SC / ST/ small/marginal Farmers, Women and NE States to a ceiling of Rs. 0.10 lakh per unit).</p> <p>Tractor driven, farm implements like Rotavator/ Seed Drill/Zero Till Seed Drill/ Multi-Crop Planter/Zero Till Multi-Crop Planter/ Ridge furrow Planter/ Raised bed planter/ Power weeder/ Groundnut digger and Multi crop threshers: @40% of the cost limited to Rs. 50000/- per unit and additional 10% assistance to SC / ST /Small/Marginal Farmers/Women and NE States with a ceiling of Rs. 0.63 lakh per unit.</p> | | | | | | | | | | | | | | | | |
|---------------------------------|---|-----------------|--|-----------|--------------------------------|-----------|-------|---------|------|-------|------|-----------|------|---------------------------------|------|-------|------|---------|------|
| 15 | Distribution of Sprinkler Sets | 60:40/ 90:10 | The cost for sprinkler irrigation system for 1 ha would be from Rs.19542/- to Rs. 21901/- per ha and Rs. 28681/- to Rs.34513/- per ha in case of rain-gun depending on diameter of pipe used as per guidelines under PMKSY. | | | | | | | | | | | | | | | | |
| 16 | Pipes for carrying water from source to the field | 60:40/ 90:10 | @ 50% cost limited to Rs. 50/- per meter for HDPE pipe, Rs. 35/- per meter for PVC and Rs. 20/- per meter for HDPE laminated woven lay flat tubes. | | | | | | | | | | | | | | | | |
| 17 | Cluster demonstrations | 60:40/ 90:10 | <p>Improved package demonstration including intercropping. One demonstration will be allowed to one farmer with a ceiling of one ha under each crop with 50% of the cost of inputs limited to the cost as given below:-</p> <table border="1" data-bbox="808 1192 1097 1860"> <thead> <tr> <th>Crop</th> <th>Rate of Assistance (Rs per ha)</th> </tr> </thead> <tbody> <tr> <td>Groundnut</td> <td>10000</td> </tr> <tr> <td>Soybean</td> <td>6000</td> </tr> <tr> <td>R & M</td> <td>3000</td> </tr> <tr> <td>Sunflower</td> <td>4000</td> </tr> <tr> <td>Sesame/ Safflower/ castor</td> <td>3000</td> </tr> <tr> <td>Niger</td> <td>3000</td> </tr> <tr> <td>linseed</td> <td>3000</td> </tr> </tbody> </table> | Crop | Rate of Assistance (Rs per ha) | Groundnut | 10000 | Soybean | 6000 | R & M | 3000 | Sunflower | 4000 | Sesame/ Safflower/ castor | 3000 | Niger | 3000 | linseed | 3000 |
| Crop | Rate of Assistance (Rs per ha) | | | | | | | | | | | | | | | | | | |
| Groundnut | 10000 | | | | | | | | | | | | | | | | | | |
| Soybean | 6000 | | | | | | | | | | | | | | | | | | |
| R & M | 3000 | | | | | | | | | | | | | | | | | | |
| Sunflower | 4000 | | | | | | | | | | | | | | | | | | |
| Sesame/ Safflower/ castor | 3000 | | | | | | | | | | | | | | | | | | |
| Niger | 3000 | | | | | | | | | | | | | | | | | | |
| linseed | 3000 | | | | | | | | | | | | | | | | | | |
| | Cluster | 60:40/ | <table border="1" data-bbox="727 1923 1224 1986"> <tr> <td>Sunflower</td> <td>6000</td> </tr> </table> | Sunflower | 6000 | | | | | | | | | | | | | | |
| Sunflower | 6000 | | | | | | | | | | | | | | | | | | |

| | Demonstrations on bee keeping | 90:10 | R & M/ Niger | 5000 | | | | | | | | | | | | |
|--|--|---|--|------|------|-----------------------------------|-----------|-------|---------|------|-------|------|-----------|------|--|------|
| 18 | Frontline demonstrations | 100% | By ICAR and ICRISAT for mandated crop groundnut for FLDs and cluster demonstrations by ICAR-KVKs. | | | | | | | | | | | | | |
| 19 | CFLDs by KVKs | 100% | <table border="1"> <thead> <tr> <th>Crop</th> <th>Rate of Assistance (Rs per ha)</th> </tr> </thead> <tbody> <tr> <td>Groundnut</td> <td>12000</td> </tr> <tr> <td>Soybean</td> <td>7500</td> </tr> <tr> <td>R & M</td> <td>6000</td> </tr> <tr> <td>Sunflower</td> <td>6000</td> </tr> <tr> <td>Sesame/ Safflower/ castor/ Niger/Linseed</td> <td>5000</td> </tr> </tbody> </table> <p>The assistance will be on pro-rata basis with the reduction of size of demonstration plot.</p> | | Crop | Rate of Assistance (Rs per ha) | Groundnut | 12000 | Soybean | 7500 | R & M | 6000 | Sunflower | 6000 | Sesame/ Safflower/ castor/ Niger/Linseed | 5000 |
| Crop | Rate of Assistance (Rs per ha) | | | | | | | | | | | | | | | |
| Groundnut | 12000 | | | | | | | | | | | | | | | |
| Soybean | 7500 | | | | | | | | | | | | | | | |
| R & M | 6000 | | | | | | | | | | | | | | | |
| Sunflower | 6000 | | | | | | | | | | | | | | | |
| Sesame/ Safflower/ castor/ Niger/Linseed | 5000 | | | | | | | | | | | | | | | |
| 20 | Integrated Pest Management (IPM) | 60:40/ 90:10 | Farmers Field School (FFS) would be supported @Rs 26,700/- per FFS including demonstration of bio-agents. Costs include training kits/material, IPM kits, literature and contingency. | | | | | | | | | | | | | |
| 21 | Farmers Training | 60:40/ 90:10 | Rs. 24000/- per training for a batch of 30 farmers for 2 days (@ 400/- per participant per day) | | | | | | | | | | | | | |
| 22 | Officers/Extension workers training (Input dealers included) | 60:40/ 90:10 | Rs.36000/- per training for a batch of 20 officers for 2 days. (@ 900/- per participant per day) | | | | | | | | | | | | | |
| 23 | R&D projects | 100% | Need based to ICAR/SAUs/KVKs/Institutions/ organizations | | | | | | | | | | | | | |
| 24 | Flexi Funds | State Govt. may include such activities under Flexi Fund which are not covered as an intervention under the programme NFSM-OS, within 10% of total allocation on sharing of expenses between Central and State Government in the ratio of 60:40 (General States)/ 90:10 (NE & Himalayan states). The activities under Flexi Fund may cover as per list given in para 8.1.4 of the guidelines. | | | | | | | | | | | | | | |
